



EXPORT CATALOGUE

Perfect water makes the difference



JUDO QUALITY MADE IN GERMANY



Product concept, engineering, testing, production and quality control, all made at our facilities in the southwest of Germany. JUDO products comply with the stringent German standards' requirements and are supported by a range of international approvals from North America, across Europe to Australia.

Leading technology. There for you, every day.

Water is our most important food. Clean and hygienic drinking water in every tap is the basic requirement to maintain good health and well-being.

Water is, however, more than that: it is our heaters' heat transfer medium and it flows through house installations and air conditioners.

It cools machines, it keeps production processes going and it cleans and disinfects.

Water quality requirements are varied and depend on the application.

JUDO is a solutions provider. Water treatment products and systems, engineered for optimal results. In accordance with the latest relevant standards and guidelines. Geared to the specific requirements of our clients and, most important of all, governed by our own stringent quality standards.

Our daily bread for more than 88 years!



JUDO Winnenden: Administration



JUDO Winnenden: JULIUS DOPSLAFF Campus



JUDO Backnang: Research & Development



JUDO Düsseldorf



Branch office Brussels / Belgium



Branch office Strasbourg / France



Branch office Vienna / Austria



Branch office Basel / Switzerland



Branch office Toronto / Canada

Our location. At work and at home.

JUDO's name in water treatment is recognised around the world. We are at home in Winnenden, just outside of Stuttgart. Administration, Project Management and the newly opened JULIUS DOPSLAFF Campus are all located there. R&D, Engineering, Design and Production are located in which is our only production facility, conveniently close, in Backnang-Waldrems.

The JULIUS DOPSLAFF Campus houses our Training Programmes, water treatment education courses and our Customer Service Department.

We value short paths for development, design and production. Therefore, we manufacture only in our central production site in the nearby Backnang-Waldrems. Production processes, quality control, systems development, all close at hand.

When it comes to distribution, however, we have a different perspective in view. JUDO has 8 regional branches in Germany and distribution centres and partners in over 50 countries including JUDO branches in Austria, Switzerland, France, Belgium, Netherlands, Luxembourg, Poland, China and Canada.



JULIUS DOPSLAFF Campus – Showroom



JULIUS DOPSLAFF Campus – Training

Pioneer, developer and a strong partner

WE THINK AHEAD

Water flows, is alive and always in motion, just like JUDO: We have been pioneering water treatment for over 88 years. The success secret of our family-run company: Invest in the future, stay dynamic and explore new paths – and do all of this without losing sight of our Swabian roots!

1936:	Engineer JULIUS DOPSLAFF founds the JULIUS DOPSLAFF KG, later JUDO Wasseraufbereitung GmbH.
1951:	JUDO produces the "Impfbiene", the world's first precision dosing system.
1962:	JUDO brings the world's first sediment protection filter to the market.
1975:	JUDO invents the backwash cleaning system, thus re-inventing the sediment protection filter.
1983:	Production start for the world's first water softeners with DVGW approval.
1985:	Backwash sediment protection filters with the patented Point Rotation Backwash System "PROFI" go into series production.
1991:	JUDO introduces the "BIOSTAT" as a unit for alternative lime scale protection into its product range.
1993:	JUDO softeners, now in their smallest form, are available for use in dishwashers.
1994:	The most efficient water softener of its time, the DX-K from the "BIOQUELL" range is voted best in category, by the Germany consumer guide magazine "Stiftung Warentest".
1995:	JUDO introduces patented silver-plated sieves to all backwash sediment protection filters.
1996:	The introduction of the "QUICKSET-E" – the patented pipe connector with the bayonet connection function.
1997:	JUDO introduces the "HEIFI-TOP", the first backwash filter for heating systems.
2002:	The arrival of the "Bioquell®-FILT range". The backwash sediment protection filter with patented ceramic flush valve.
2003:	JUDO develops the "JU-WEL". The first ever unit for the enhancement of water using precious stones.
2004:	The 100.000th water softening unit in the "BIOQUELL" range rolls off the production line.
2005:	JUDO introduces the "CONTISOFT", the first DVGW approved water softener for flow rates up to 20 m³/h with a stagnation-free operating system.
2006:	The "ZEWA-WASSERStop" is introduced to the market by JUDO. The first DVGW-approved leakage protection system on the market, offering property protection and water resources saving.
2009:	JUDO develops the first intelligent and fully automatic water softening unit worldwide, the "i-soft".
2010:	Water softening in larger volume applications now goes intelligent with the introduction of the "i-soft@home" for flow rates up to 20 m³/h.
2011:	JUDO "QUICK CONNECTION" is a world first in installation comfort, allowing a filter to be completely mounted using just one screw. The introduction of the "i-balance" brings alternative limescale protection into the intelligent operation family.
2013:	The JUDO "i-soft plus" softening and "i-dos" dosing systems set new operating standards – with fully automatic operation and with control via smartphone. JUDO's "HEIFI-REPURE", "HEIFI-RESOFT" and "HEIFI-FÜL PLUS" now turn the filling of heating systems, to today's stringent quality standards, into an easy matter.
2014:	JUDO receives the PLUS X award in sanitary installations category as the year's most innovative brand.
2015:	The JUDO "i-fill" series goes into production. The intelligent device makes heating system filling especially easy, comfortable and safe. Another new development, the "ZEWA PLUS", offers leakage protection for entire building applications.
2016:	The JULIUS DOPSLAFF Campus opens its doors. JUDO seminars and training sessions are held there in a forward-looking environment and with the latest media technology.
2017:	JUDO presents "QUICKSOFT", the new addition to the water softening range. Furthermore, the new "HEIFI filling system SOFT/PURE", a new combi unit, is introduced to the heating water treatment line.
2018:	JUDO "i-soft@home" goes interactive. Introduction of new heating filling systems "i-fill", "i-fill plus" and "i-fill GT".
2019:	Water softeners in the "i-soft" range now available with voice-control via Alexa as well as via "JU-control app". JUDO receives 'Germany's leader in innovation' award.
2020:	JUDO introduces the complete Bioquell®-HOME range
2021:	JUDO launches the undersink reverse osmosis Bioquell®-PURE
2022:	JUDO develops the PIPE-CARE SYSTEM JPCS innovation with micro-leakage detection
2023:	With the expansion of the i-soft series to include the new i-soft PRO and i-soft K water softeners, JUDO also presents two particularly space-saving, floor-standing and flexibly installable variants. The new floor-standing QUICKSOFT-MP water softener is very well suited for confined spaces and optimally completes the series.

QUALITY MADE IN GERMANY

and internationally approved!



The CE sign demonstrates that a product complies with the requirements established in directive 765/2008 of the harmonized regulations law within the community. CE was created to guarantee end user access to safe products within the 30 signatory states of the Common European Economic Area.



The last word in German approvals for the gas and water industries, the DVGW has been setting and controlling the highest levels of product efficiency, health and safety standards that the German market has enjoyed for over 150 years, and is globally accepted as one of the highest standards.



ACS stands for "attestation of sanitary conformity" and is the standard used by the French authorities for materials and equipment in direct contact with drinking water. The ACS symbol is an assurance of the highest standards in performance conformity.



WaterMark is the certificate of approval for products used with drinking water in Australia and New Zealand. Confirms a product meets ABCB requirements and that its use is therefore permitted. The Australian Building Codes Board (ABCB) is the regulatory institute responsible for the development and care of regulations for building and sanitary installation.



The CSA, Canadian Standards Association, is an independent NPO with offices in 14 countries developing and controlling over 3000 norms governing safety, design and performance in the water industry. CSA is recognized as an equivalent standard by such renowned organizations as UL in the USA.



The BELGAQUA certificate from the Belgian Association of the water industry is awarded to products and materials that meet the requirements for contact with drinking water.



PZH is an institute certifying that products pose no danger to health or the environment when used in accordance with manufacturer's instructions. The PZH hygiene certificate is very important in the water treatment industry.



The EAC is a certification of conformity for countries in the Eurasian Economic Union. These include Russia, Belarus, Kazakhstan, Kyrgyzstan and Armenia.



The Swiss Water and Gas Association tests and certifies products ensuring they are in line with the highest current levels of quality, safety and technical suitability for use in gas and water installations.



Required for all foreign manufacturers of residential water treatment units, China's MOH certificate is awarded by the Ministry of Health and is considered one of the most demanding when it comes to meeting qualification and product testing standards.



The Plus X award is the world's largest award for innovation in technology, sports and lifestyle chosen by a jury consisting of 25 branches of the economy, with 23 competent partners and a total marketing investment volume of over 25 million Euros.



The ZVSHK quality rating offers safety and orientation to the plumbing trade, The ZVSHK rewards Manufacturers with the "Certified Manufacturer – quality, security and service" mark for their manufacturing processes and high standards in product quality and scope of customer service as well as investment in R&D, thus supporting the expansion of the industry as a whole.



Quality management standard ISO 9001 is one of the most widely accepted quality management approvals both on a national and international level. Our ISO 9001 certification goes to prove how seriously we take our high levels of quality management, and keep developing them further.



The iF design awards are counted amongst the most important in the world of international design. The iF logo awarded to the contest winner is accepted world wide as an indicator for excellence in design and is highly regarded by designers everywhere.

The earth consists of more than 70 percent water

Water resources amount to around 1.4 billion cubic kilometres

Only about 2.5 percent is freshwater

Approximately 213,000 cubic kilometres of freshwater are accessible to humans



WE TAKE RESPONSIBILITY,

because water is our most precious commodity

Our most valuable resource: drinking water

JUDO's goal is to treat water with innovative and sustainable processes. The responsible use of resources and the protection of the environment play an important role in all areas of the company.

Saving costs and resources in the long term

Our water treatment solutions ensure that the value of drinking water installations and technical equipment such as heating or cooling systems as well as household appliances such as dishwashers or coffee machines is maintained. By investing in a water softening system, for example, many hidden costs can be saved in the long term. This means that the system pays for itself, and at the same time the user can enjoy the benefits of soft water to the full with a clear conscience towards the environment.




Tradition meets innovation

As a Swabian family-owned company, values such as reliability and a sense of tradition and partnership are particularly important to us. You are at the centre of everything we do. Our customer. As part of the JUDO world, you benefit from our many years of experience, from our deep understanding of the sanitary, heating and air-conditioning industry, and from the reliability and know-how of an international, innovative and renowned specialist in water treatment.

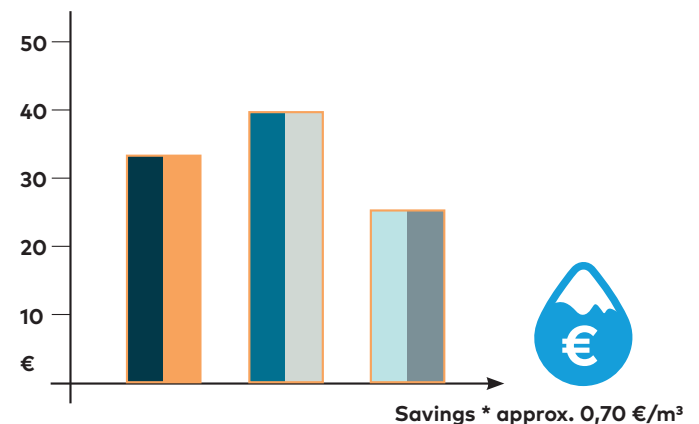
Well over 100 patents: The JUDO inventive spirit

Julius Dopsloff applied for his first patents as soon as the company was founded in 1936. Today, we can look back on numerous inventions that have had a decisive impact on water treatment. Despite our successes in the past, we are always looking to the future. Our ambition is to keep advancing water treatment with new, modern products and technologies, to create real technical added value and to implement it in practical solutions.

Example: Cost saving water consumption for 4-person household

Fewer products for Washing, cleaning and personal care	
Less wear and tear on fittings and household appliances	
Less limescale protection for the washing machine	

Corresponds to an approximate saving *: 0,70 €/m³



* varies with the raw water hardness and consumption habits

MEASURES FOR MORE SUSTAINABILITY:

Ecology, society and economy in harmony

Commitment to the ongoing development of sustainability has long been an integral part of our company philosophy and is reflected in our efforts to structure all our processes with the environment in mind. The successful implementation is demonstrated, for example in the following points:

Cross-site operation with green electricity

Our headquarters, the JULIUS DOPSLAFF Campus and our production facilities all use green electricity. Our products are also manufactured using 100 percent green electricity.



FSC seal of our printing material

At JUDO, you can literally hold quality in your hands. Because most of our brochures and print documents are printed on FSC-certified paper. The FSC® seal stands for "Forest Stewardship Council®", an international certification system for more sustainable forest management.



Reduction in resource consumption

An essential requirement of the JUDO corporate philosophy is the careful use of limited resources. This applies to the entire value chain – from the development and production to the dispatch of our products.

Products support the idea of sustainability

The high quality of our products ensures the best possible durability. In addition, we pay attention to the energy-efficient operation of our appliances and to tested, highly efficient, economical technology. The latter can be seen, for example, in our filters and softeners with regard to the rinsing water and the regeneration process.

The i-dos eco and JULDOS dosing systems take into account the economical and effective use of minerals.

Our alternative limescale protection system i-balance works completely without chemicals. In addition, our leakage protection systems prevent unnecessary and expensive water losses with consequential damage. A clear plus in terms of safety, cost savings and sustainability.

Good working conditions in the company

As a family-owned company, the well-being of our employees matters a great deal to us. In addition to professional development, we therefore also invest in measures and offers to increase employee satisfaction – even beyond the boundaries of the company.



Water treatment
intelligent and fully automatic.



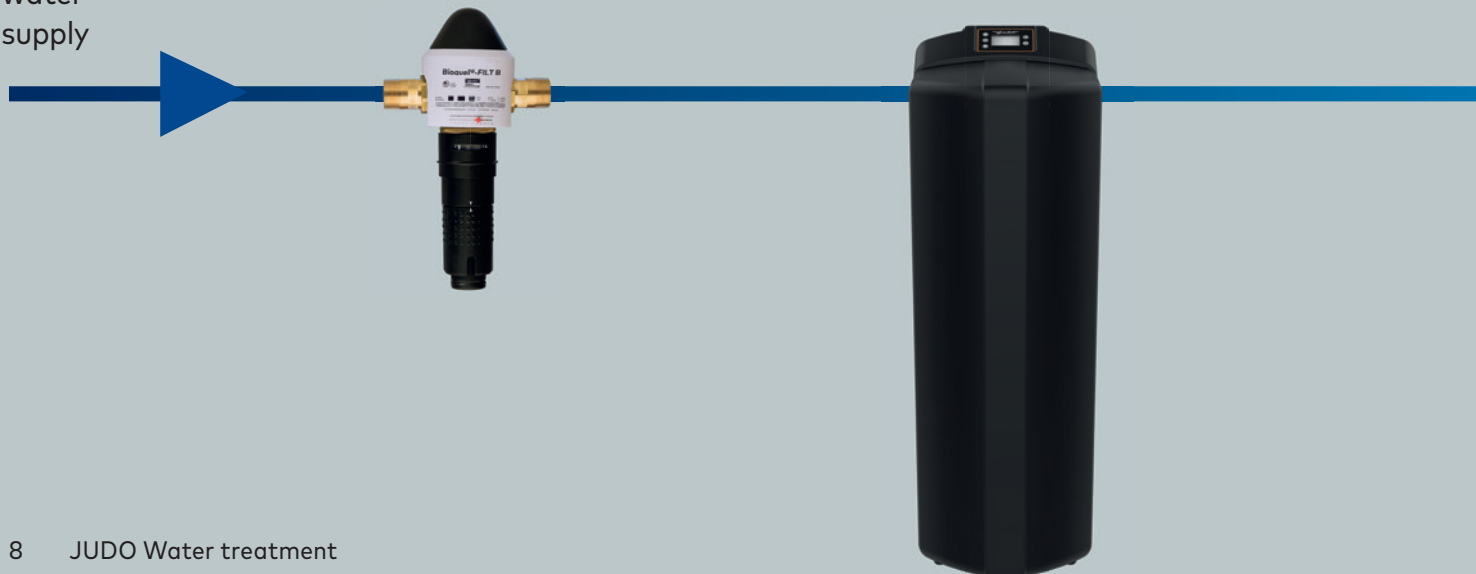
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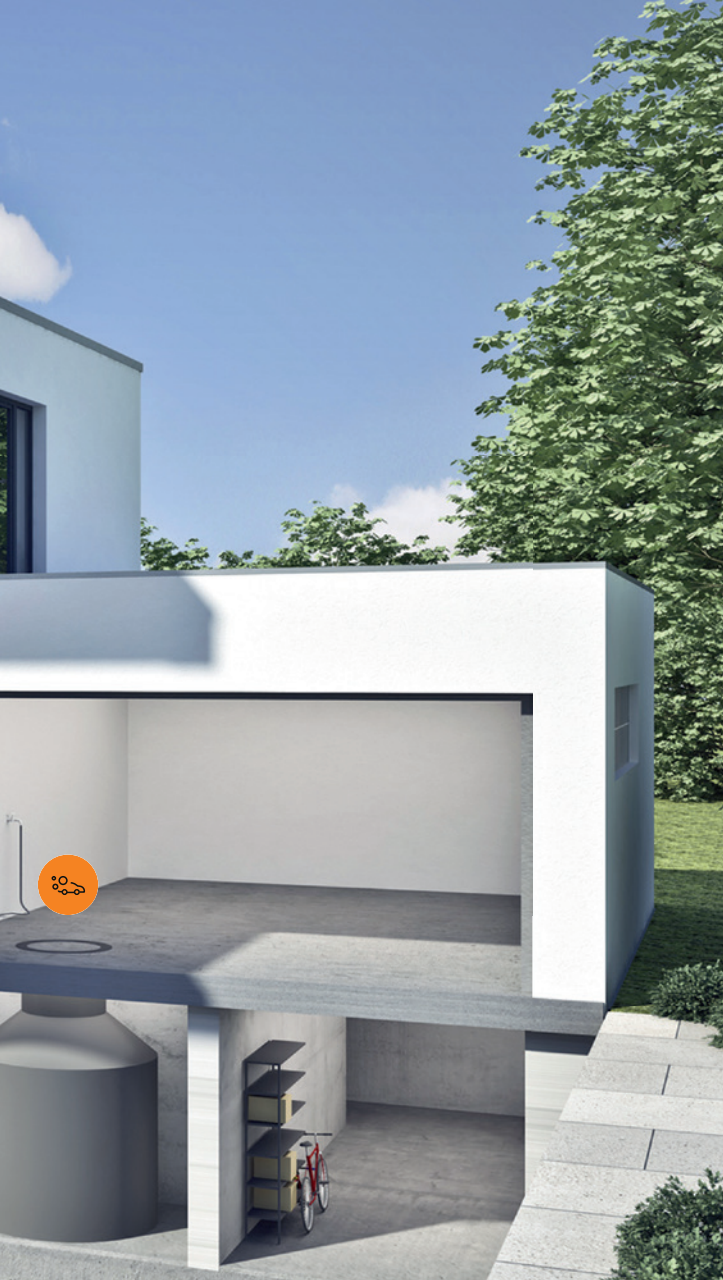
Bioquell®-FILT
backwash sediment filter

B

Bioquell®-CLEAR
purifier

water
supply





washing



shower



cooking and
drinking



Bioquell®-SOFT
softener



Bioquell®-PURE
undersink RO





TRUST THE GERM PROTECTION CLASS – **PURE HYGIENE**

The JUDO range of anti-bacterial filters is the ultimate in our range of backwash filters and domestic water stations. The JUDO range of anti-bacterial protection filters symbolises perfection in our range of backwash filters and domestic water stations with all its special features, which make filtration efficient, comfortable and safe. It also reflects our expertise in protective filters, with the highest standards of quality and reliability and with its unique advantages for the installer during installation or maintenance.



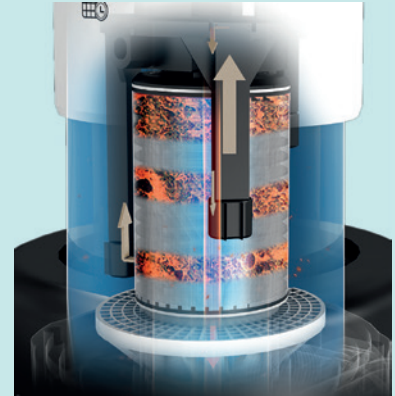
Backwash, don't replace!

Using JUDO backwash filters means you no longer have the trouble of replacing that dirty filter cartridge every 6 months. Simply backwash the filter screen using filtered water. All done in a simple turn of a handwheel with no interruption to the ongoing water supply, no changes in water quality and without waste cartridges.



The best protection against bacterial growth is a really clean screen.

Backwash filters were not only invented, but also perfected by JUDO. The point-to-point rotation system ensures high pressure cleaning regulated by three rotating arms along the filter screen. This method offers much better screen cleaning efficiency than standard backwash systems, as well as much better hygiene. Efficient impurity removal ensures there is no bacterial development.



The Call function: never again forget backwashing

When it comes to backwashing, some filters can be forgotten. These do not! Thanks to the QR code on the cover. When you scan it with the JU-Control app, you will receive a reminder message on your smartphone at each upcoming backwash date. The JUDO Call function is available for all manually backwashed filters and all domestic water stations up to 2" (excepted for Bioquell® filters).



Integrated direct flush valve

To ensure that the backwash water is completely removed from the filter, it must be able to flow freely to the drain. This ensures that contaminated backwash water does not return through the filter to the general supply system and eliminates any danger of bacterial contamination. All the filters in the JUDO PROFI-PLUS range have a flush valve and an additional hose adapter with integrated free outlet that performs exactly this function, ensuring an efficient operation in the whole sanitary installation.

Point-of-entry filtration

Whole-building filtration removes problem-causing particulate matter BEFORE it enters the system. Protecting pipes, fittings and appliances from the danger of sediments and particles that lead to corrosion and decreased life span. Thus reducing the inconvenience, expense and frequency of repairs and even water damage and complete renovation. In this way, you can control your total water consumption and waste water generation, keep energy consumption at optimal levels and protect your system from bacterial colonization. Taking into consideration worldwide water scarcity and daily increase in water and energy prices, it makes really good sense!



Backwash in the blink of an eye without replacing the cartridge

When it comes to protective sediment filters, no one can fool us.

It's our systems others strive to imitate.



JPF+ 1"

JPF+ -AT 1"

Illustration Type	JUDO PROFI-PLUS					JUDO PROFIMAT-PLUS-AT				
Type	3/4"	1"	1 1/4"	1 1/2"	2"	3/4"	1"	1 1/4"	1 1/2"	2"
Pipe connection	3/4"	1"	1 1/4"	1 1/2"	2"	3/4"	1"	1 1/4"	1 1/2"	2"
Nominal flow rate m ³ /h according to EN 13443-1 with clean filter at 0.5 bar pressure loss	6.7	7.6	8.5	18	22	6.7	7.6	8.5	18	22
Filtration grade micron	100 **					100 **				
Backwash protective sediment filter	Manual backwash					Automatic (time controlled)				
Horizontal or vertical mounting	✓					✓				
Filter backwashable using JUDO point rotation system.	✓					✓				
-Screen cleaned using filtered water - Backwash with no interruption to the water supply - Filter screen in stainless steel - No direct contact with parts with direct water contact, no cartridge changes required! - long working life with low resource consumption	✓					✓				
Call function via JU-Control App	✓					X				
Integrated JUDO Safety-Module as emergency power supply	✓					✓				
Pressure gauge	-					-				
Integrated free outlet – no contamination in the event of back flow of waste water	✓					✓	✓	✓	-	-
Accessories (optional)										
ECO-SAFE leakage protection unit	✓					✓				
Potential-free contacts	X					✓				
JUDO FILT-A (Automatic upgrade unit)	-					-				
Order number	8010072	8010073	8010074	8010213	8010214	8020663	8020664	8020665	8001019	8001020

* Nominal flow rate m³/h according to EN 1567

** Special mesh size available 30 micron, 320 micron and 500 micron
Please specify the required mesh size when placing the order (retrofitting not possible)

X = Performance features are not applicable to these products



JPF+ -ATP 1"



Bioquell®-FILT BP 1"



Bioquell®-FILT B 1"

	JUDO PROFIMAT-PLUS-ATP					JUDO Bioquell®-FILT BP					JUDO Bioquell®-FILT B				
	¾"	1"	1¼"	1½"	2"	¾"	1"	1¼"	1½"	2"	¾"	1"	1¼"	1½"	2"
	6.7	7.6	8.5	18	22	2.3	3.6	5.8	9.1	14.0	6.1	7.1	7.3	12.2	15.1
	100 **					100					100				
	Automatic (time and differential pressure controlled)					Manual backwash					Manual backwash				
			✓					✓					-		
			✓					-					-		
			✓					✓					✓		
			X					✓					✓		
			✓					-					-		
			-					✓					-		
	✓	✓	✓	-	-			X					X		
			✓					X					X		
			✓					-					-		
			-					✓					✓		
	8020666	8020667	8020668	8001017	8001018	8170325	8170326	8170327	8170328	8170329	8070710	8070711	8070712	8070713	8070714

We also think big.

For large commercial and industrial buildings.



Illustration Type

JPF+ DN 80

JPF+ -AT DN 65

JPF+ -ATP DN 65

Type	JUDO PROFI-PLUS			JUDO PROFIMAT-PLUS-AT			JUDO PROFIMAT-PLUS-ATP		
Pipe connection	DN 65	DN 80	DN 100	DN 65	DN 80	DN 100	DN 65	DN 80	DN 100
Nominal flow rate m ³ /h according to EN 13443-1 with clean filter at 0.5 bar pressure loss	28	65	78	28	65	78	28	65	78
Filtration grade micron	100 *			100 *			100 *		
Backwash protective sediment filter	Manual backwash			Automatic (time controlled)			Automatic (time and differential pressure controlled)		
Horizontal or vertical mounting	-			-			-		
Filter backwashable using JUDO point rotation system. -Screen cleaned using filtered water - Backwash with no interruption to the water supply - Filter screen in silver plated stainless steel - No direct contact with parts with direct water contact, no cartridge changes required! - long working life with low resource consumption	✓			✓			✓		
Integrated JUDO Safety-Module as emergency power supply	✓			✓			✓		
Integrated potential-free contacts	X			X			X		
Accessories (optional)									
Potential-free contacts	X			✓			✓		
Order number	8010215	8010216	8010217	8001034	8001005	8001033	8001003	8001006	8001008

* Special mesh size available 30 micron, 320 micron and 500 micron
Please specify the required mesh size when placing the order (retrofitting not possible)

X = Performance features are not applicable to these products



JPF+ DN 200



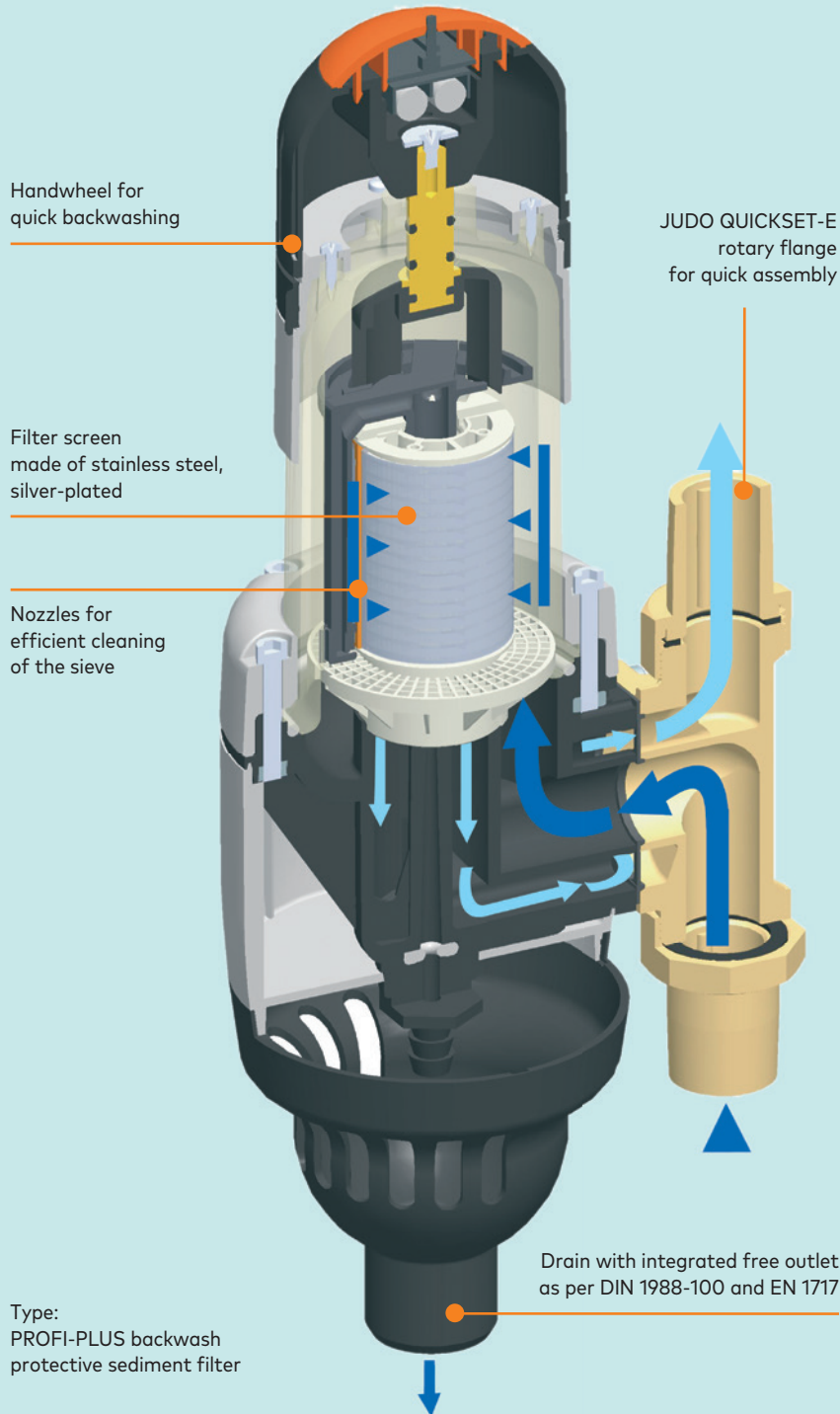
JPF+-ATP DN 200

JUDO PROFI-PLUS			JUDO PROFIMAT-PLUS-ATP				
DN 125	DN 150	DN 200	DN 125	DN 150	DN 200		
100	150	200	100	150	200		
100 *			100 *				
Manual backwash			Automatic (time and differential pressure controlled)				
-			-				
✓			✓				
-			-				
X			✓				
X			included				
8290025	8290026	8290027	8320025	8320026	8320027		

JUDO PREMIUM LINE 3/4" - 2"




Do not settle for less.

JUDO PROFI-PLUS backwashing protective sediment filters are your first choice when it comes to protecting drinking water installations. With perfect backwashing, silver-plated screen and many other advantages. And most importantly: Quality made in Germany.



JUDO PROFI-PLUS ¾" - 2"

Backwash protective sediment filter manual version

-  With silver-plated stainless steel filter screen and high-efficiency point rotation system.
-  Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.
-  For drinking water up to 30 °C
Operating pressure range 1.5 - 16 bar









Scope of delivery Type JPF+ ¾" - 1¼": Filter housing made of high-quality plastic PN 16, built-in rotary flange with bayonet connection made of brass with screw, threaded connector in accordance with EN 10226-1; horizontal and vertical installation is possible; silver-plated filter screen made of stainless steel; large handwheel for backwashing based on point rotation system with simultaneous cleaning of the filter bell.

Scope of delivery Type JPF+ 1½" - 2": High grade filter housing PN 16; built-in rotary flange made of brass with screw (threaded connector in accordance with EN 10226-1); horizontal and vertical installation is possible; silver-plated filter screen made of stainless steel; large handwheel for backwashing based on point rotation system with simultaneous cleaning of the filter bell.

Type	JPF+	JPF+	JPF+	JPF+	JPF+
Pipe connection	¾"	1"	1¼"	1½"	2"
Flow rate m³/h *	6.7	7.6	8.5	18	22
Installation length mm	180	195	230	252	280
Filtration grade micron	100	100	100	100	100
Dimensions W x D x H mm	130 x 165 x 410	130 x 165 x 410	130 x 170 x 410	158 x 207 x 432	158 x 215 x 432
Order number	8010072	8010073	8010074	8010213	8010214

Versions with non-standard mesh sizes (not silver-plated)	JPF+	JPF+	JPF+	JPF+	JPF+
Pipe connection	¾"	1"	1¼"	1½"	2"
Filtration grade 30 micron	8010075	8010076	8010077	8015002	8015012
Filtration grade 320 micron	8010078	8010079	8010080	8015003	8015013
Filtration grade 500 micron	8010081	8010082	8010083	8015004	8015014

-  Made in Germany
-  Stable plastic housing
-  Proven quality
-  Transparent filter bell
-  Especially hygienic
-  Ergonomic handwheel

-  Back-washing reminder **
-  Very reliable
-  Filter screen silver-plated
-  Horizontal and vertical installation
-  Especially thorough backwashing

* Flow rate for drinking water with cleaned screen at 0.5 bar pressure loss. Lower flow should be assumed for service water and heavily contaminated water. Professional advice required!

** JU-Control app required



Type JPF+ ¾" - 1¼"



- ✓ **Quality assured**
made in Germany
- ✓ **Reliable protection**
against particle inflow
- ✓ **Economical**
no expensive and complicated cartridge changes
- ✓ **Uncomplicated**
easy backwashing
- ✓ **Efficient**
effective backwash thanks to point rotation system
- ✓ **Practical**
no interruption to the water supply during backwash
- ✓ **Low impact**
no waste cartridges and low water consumption thanks to an effective backwash

Installation dimensions see page 88.



Type JPF+ -AT ¾" - 1¼"



- ✓ **Quality assured**
made in Germany
- ✓ **Reliable protection**
against particle inflow
- ✓ **Economical**
no expensive and complicated cartridge changes
- ✓ **Backwashes automatically**
with timer controlled backwash
- ✓ **Integrated emergency power supply, JUDO Safety-Module**, which completes the backwash process in the event of a power failure and closes the flush valve.
- ✓ **Efficient**
effective backwash thanks to point rotation system
- ✓ **Practical**
no interruption to the water supply during backwash
- ✓ **Low impact**
no waste cartridges and low water consumption thanks to an effective backwash

Installation dimensions see page 88.

JUDO PROFIMAT-PLUS-AT ¾" - 2"

Automatic backwash protective sediment filter (time controlled)

- ✚ With silver-plated stainless steel filter screen and high-efficiency point rotation system.
- ↕ Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.
- 💧 For drinking water up to 30 °C
Operating pressure range 1.5 - 16 bar



Potential-free
Input and outputs
I/O cable required (see accessories)

Scope of delivery: Filter housing made of high-quality plastic PN 16; built-in rotary flange with bayonet connection made of brass with screw, threaded connector in accordance with EN 10226-1; horizontal and vertical installation is possible; silver-plated filter screen made of stainless steel; Automatic-Control with LCD-display and membrane keypad. Patented safety module for closing the flush valve in the event of a power failure; Automatic time-dependent triggering of backwashing can be selected: hour, day, week, month, manual triggering are possible. With servomotors. Backwashing based on point rotation system with simultaneous cleaning of the filter bell, including plug-in power supply; floating input for the remote triggering of a backwash and floating outputs for the transmission of messages (I/O cable set required).

AT control: timer controlled backwash: settings: hourly, daily, weekly, monthly. Manual backwash start-up button.

Type	JPF+ -AT	JPF+ -AT	JPF+ -AT	JPF+ -AT	JPF+ -AT
Pipe connection	¾"	1"	1¼"	1½"	2"
Flow rate m³/h *	6.7	7.6	8.5	18	22
Installation length mm	180	195	230	252	280
Filtration grade micron	100	100	100	100	100
Dimensions W x D x H mm	133 x 164 x 500	133 x 164 x 500	133 x 164 x 500	158 x 207 x 491	158 x 215 x 491
Order number	8020663	8020664	8020665	8001019	8001020

Special filtration grade (filter mesh not silver-plated)	JPF+ -AT	JPF+ -AT	JPF+ -AT	JPF+ -AT	JPF+ -AT
Pipe connection	¾"	1"	1¼"	1½"	2"
30 µm	8001004	8001011	8001014	8001045	8001052
320 µm	8001007	8001012	8001015	8001046	8001053
500 µm	8001009	8001013	8001016	8001047	8001061

Accessories	Order number
JUDO I/O cable set For the transmission of potential-free messages (suitable for PROFIMAT-PLUS-AT/ATP ¾" - DN 100).	2021074

Made in Germany	Stable plastic housing	Proven quality	Transparent filter bell	Especially hygienic	LED display

	Ag			
Very reliable	Filter screen silver-plated	Horizontal and vertical installation	Especially thorough backwashing	Product has potential-free contact

* Flow rate for drinking water with cleaned screen at 0.5 bar pressure loss. Lower flow should be assumed for service water and heavily contaminated water. Professional advice required!

JUDO PROFIMAT-PLUS-ATP 3/4" - 2"

Automatic backwash protective sediment filter (time and differential pressure controlled)

- With silver-plated stainless steel filter screen and high-efficiency point rotation system.
- Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.
- For drinking water up to 30 °C
Operating pressure range 1.5 - 16 bar



Potential-free
Input and outputs
I/O cable required (see accessories)

Scope of delivery: Filter housing made of high-quality plastic (PN 16); built-in rotary flange with bayonet connection made of brass with screw, threaded connector in accordance with EN 10226-1; horizontal and vertical installation is possible; silver-plated stainless steel filter screen; Automatic-Control with LCD-display and membrane keypad. Patented safety module for closing the flush valve in the event of a power failure; Automatic time-dependent triggering of backwashing (can be selected: hour, day, week, month) as well as differential pressure-dependent triggering of backwashing through pressure switch (adjustable differential pressure up to max. 0.6 bar), manual triggering are possible. With servomotors. Backwashing based on point rotation system with simultaneous cleaning of the filter bell, including plug-in power supply; floating input for the remote triggering of a backwash and floating outputs for the transmission of messages (I/O cable set required).

ATP control: timer controlled backwash (settings: hourly, daily, weekly, monthly) with additional differential pressure control for backwash start (differential adjustable up to 0.6 bar). Manual backwash start button.

Type	JPF+ -ATP 3/4"	JPF+ -ATP 1"	JPF+ -ATP 1 1/4"	JPF+ -ATP 1 1/2"	JPF+ -ATP 2"
Pipe connection	3/4"	1"	1 1/4"	1 1/2"	2"
Flow rate m³/h *	6.7	7.6	8.5	18	22
Installation length mm	180	195	230	252	280
Filtration grade micron	100	100	100	100	100
Dimensions W x D x H mm	133 x 181 x 500	133 x 181 x 500	133 x 181 x 500	158 x 227 x 491	158 x 235 x 491
Order number	8020666	8020667	8020668	8001017	8001018

Special filtration grade (filter mesh not silver-plated)	JPF+ -ATP 3/4"	JPF+ -ATP 1"	JPF+ -ATP 1 1/4"	JPF+ -ATP 1 1/2"	JPF+ -ATP 2"
Pipe connection	3/4"	1"	1 1/4"	1 1/2"	2"
30 µm	8001021	8001036	8001025	8001048	8001051
320 µm	8001022	8001037	8001026	8001043	8001044
500 µm	8001024	8001038	8001035	8001049	8001050

Accessories	Order number
JUDO I/O cable set For the transmission of potential-free messages (suitable for PROFIMAT-PLUS-AT/ATP 3/4" - DN 100).	2021074

- Made in Germany
- Stable plastic housing
- Proven quality
- Transparent filter bell
- Especially hygienic
- LED display

- Very reliable
- Filter screen silver-plated
- Horizontal and vertical installation
- Especially thorough backwashing
- Product has potential-free contact

* Flow rate for drinking water with cleaned screen at 0.5 bar pressure loss. Lower flow should be assumed for service water and heavily contaminated water. Professional advice required!



Type JPF+ -ATP 3/4" - 1/4"

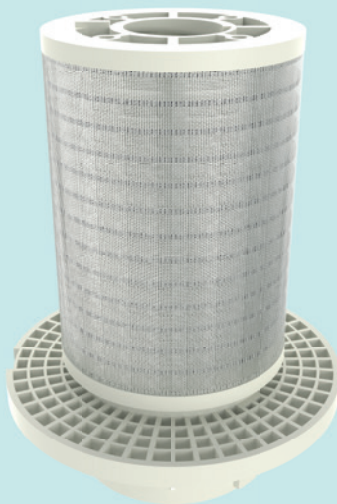
- ✓ **Quality assured**
made in Germany
- ✓ **Reliable protection**
against particle inflow
- ✓ **Economical**
no expensive and complicated cartridge changes
- ✓ **Backwashes automatically**
with timer and pressure differential control
- ✓ **Integrated emergency power supply, JUDO Safety-Module**, which completes the backwash process in the event of a power failure and closes the flush valve.
- ✓ **Efficient**
effective backwash thanks to point rotation system
- ✓ **Practical**
no interruption to the water supply during backwash
- ✓ **Low impact**
no waste cartridges and low water consumption thanks to an effective backwash

Installation dimensions see page 88.

JUDO PREMIUM LINE DN 65 - 100

Tried and proven PROFI-PLUS DN 65 - 100

The larger, backwashable JUDO filter with flange connection completes the PROFI-PLUS range. This filter, designed for higher flow rates represents the pinnacle of JUDO filtration technology. The cast iron, anti-corrosion coated filter base is the main component of this system. Its high precision means there is almost no flow loss during backwash. Larger particles are trapped in the base and never enter the filtration chamber in the first place.

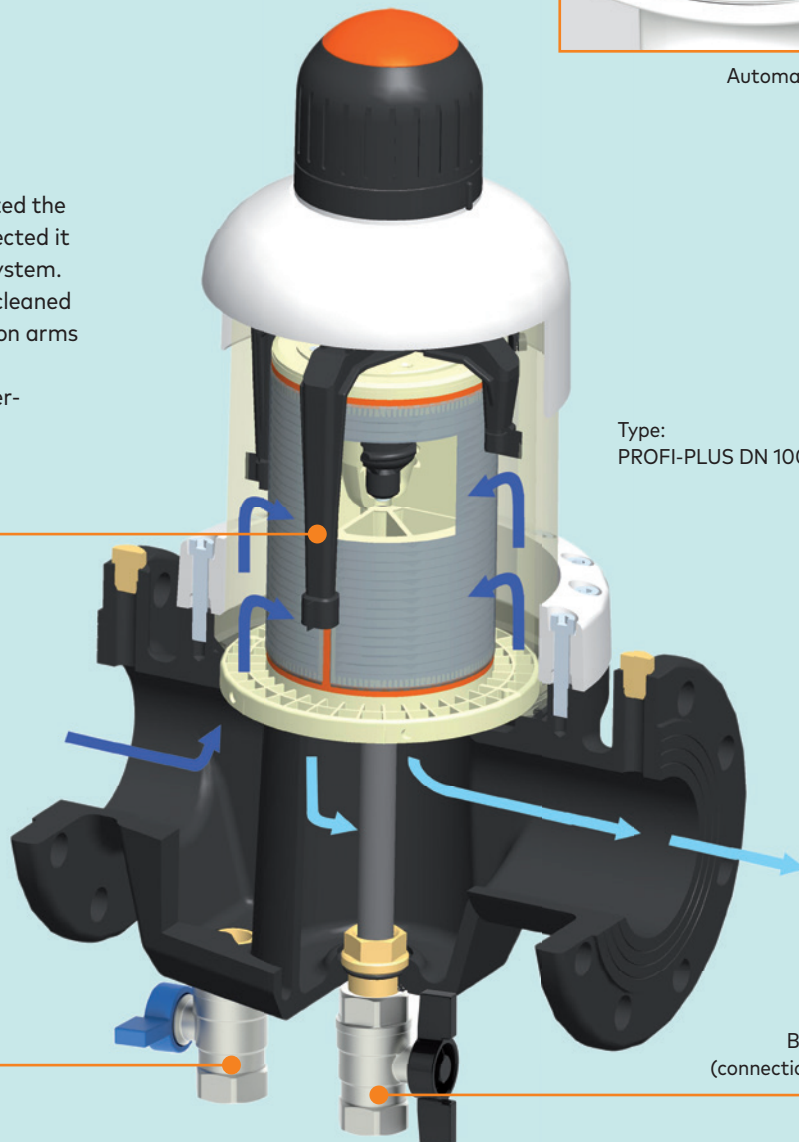


Stainless steel filter with longlife screen



Automatic version available

Advantages: JUDO not only invented the backwashable filter, but also perfected it with the point-to-point rotation system. This system ensures the screen is cleaned point by point using rotating suction arms fitted on gliders. The water supply is thus never interrupted during the backwash cycle.



Type:
PROFI-PLUS DN 100


Open the ball valve to flush out larger particles trapped in the unit base.

Backwash flush valve
(connection to drain required)

JUDO PROFI-PLUS DN 65 - 200

Backwash protective sediment filter


+ With silver-plated, stainless steel filter screen and high-efficiency point rotation system.

 For drinking water up to 30 °C
Operating pressure range 1.5 - 10 bar
(JPF+ DN 65: 1.5 - 16 bar)

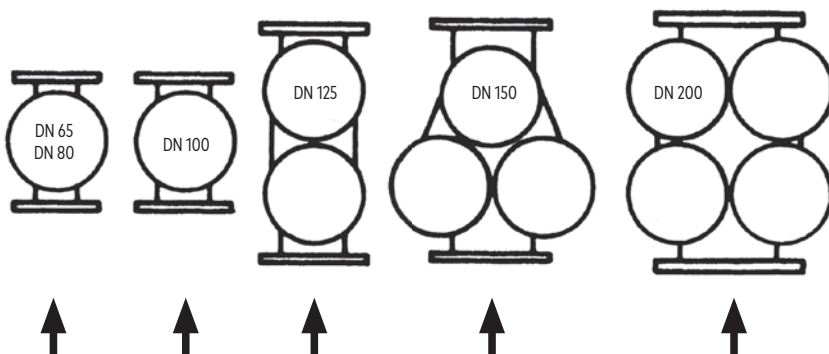
Scope of delivery: Filter base made of cast iron, PVC coated for corrosion protection, PN 10 (DN 65 = PN 16). Flange connection to EN 1092-2; silver-plated filter screen made of stainless steel; backwashing using handwheel with the proven point rotation system offering optimal bacterial growth protection and cleaning of filter bell, fitted with two manometer connections.

Type	JPF+	JPF+	JPF+	JPF+	JPF+	JPF+
Pipe connection	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200
Pipe connection	2½"	3"	4"	5"	6"	8"
Flow rate m³/h *	28	65	78	100	150	200
Installation length mm	240	320	320	560	560	600
Filtration grade micron	100	100	100	100	100	100
Dimensions W x D x H mm	240 x 185 x 513	320 x 231 x 591	320 x 231 x 608	560 x 250 x 643	560 x 474 x 684	600 x 474 x 731
Order number	8010215	8010216	8010217	8290025	8290026	8290027

Versions with non-standard mesh sizes (not silver-plated)	JPF	JPF	JPF	JPF	JPF	JPF
Pipe connection	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200
Mesh size 30 micron	8015022	8010060	8010061	8290010	8290011	8290012
Mesh size 320 micron	8015023	8010038	8010040	8010042	8010044	8010046
Mesh size 500 micron	8015024	8010039	8010041	8010043	8010045	8010047

						Ag		
Made in Germany	Proven quality	Transparent filter bell	Especially hygienic	Ergonomic handwheel	Very reliable	Filter screen silver-plated	Stable cast iron housing	Especially thorough backwashing

View from top



* Flow rate for drinking water with cleaned screen at 0.5 bar pressure loss. Lower flow should be assumed for service water and heavily contaminated water. Professional advice required!



Type JPF+ DN 80



- ✓ **Quality assured**
made in Germany
- ✓ **Reliable protection**
against particle inflow
- ✓ **Economical**
no expensive and complicated cartridge changes
- ✓ **Uncomplicated**
easy backwashing
- ✓ **Efficient**
effective backwash thanks to point rotation system
- ✓ **Practical**
no interruption to the water supply during backwash
- ✓ **Low impact**
no waste cartridges and low water consumption thanks to an effective backwash

** for Type JPF+ DN 65 - 100

Installation dimensions see page 88.



Type JPF+-AT DN 65



- ✓ **Quality assured**
made in Germany
- ✓ **Reliable protection**
against particle inflow
- ✓ **Economical**
no expensive and complicated cartridge changes
- ✓ **Backwashes automatically**
with timer controlled backwash
- ✓ **Integrated emergency power supply, JUDO Safety-Module,**
which completes the backwash process in the event of a power failure and closes the flush valve.
- ✓ **Efficient**
effective backwash thanks to point rotation system
- ✓ **Practical**
no interruption to the water supply during backwash
- ✓ **Low impact**
no waste cartridges and low water consumption thanks to an effective backwash

Installation dimensions see page 89.

JUDO PROFIMAT-PLUS-AT DN 65 - 100

Automatic backwash protective sediment filter (time controlled)



With silver-plated, stainless steel filter screen and high-efficiency point rotation system.



For drinking water up to 30 °C
Operating pressure range 1.5 - 10 bar
(JPF+-AT DN 65: 1.5 - 16 bar)



**Potential-free
input and outputs**
I/O cable required (see accessories)

Scope of delivery: Filter base made of cast iron, PVC coated for corrosion protection, PN 10.

Flange connection to EN 1092-2; silver-plated filter screen made of stainless steel; automatic backwashing using timer control (options: hourly, daily, weekly or monthly) manual start, incl. drive motor; Automatic-Control with LCD-display and membrane keypad. Patented safety module for closing the flush valve in the event of a power failure; Backwash using the proven point rotation system offering optimal bacterial growth protection and cleaning of filter bell with no interruption to the water supply, fitted with two manometer connections; floating input for the remote activation of a backwash and floating outputs for the transmission of messages (I/O cable set required).

Type	JPF+-AT	JPF+-AT	JPF+-AT
Pipe connection	DN 65	DN 80	DN 100
Pipe connection	2½"	3"	4"
Flow rate m³/h *	28	65	78
Installation length mm	240	320	320
Filtration grade micron	100	100	100
Dimensions W x D x H mm	240 x 185 x 577	320 x 231 x 650	320 x 231 x 669
Order number	8001034	8001005	8001033

Special filtration grade (30 micron - 320 micron - 500 micron) available on request (filter mesh not silver-plated)

Accessories	Order number
JUDO I/O cable set For the transmission of potential-free messages (suitable for PROFIMAT-PLUS-AT/ATP ¾" - DN 100).	2021074

						Ag		
Made in Germany	Proven quality	Transparent filter bell	Especially hygienic	Ergonomic handwheel	Very reliable	Filter screen silver-plated	Stable cast iron housing	Especially thorough backwashing

* Flow rate for drinking water with cleaned screen at 0.5 bar pressure loss.
Lower flow should be assumed for service water and heavily contaminated water. Professional advice required!

JUDO PROFIMAT-PLUS-ATP DN 65 - 200

Automatic backwash protective sediment filter (time and differential pressure controlled)

+ With silver-plated, stainless steel filter screen and high-efficiency point rotation system.

🔗 For drinking water up to 30 °C
Operating pressure range 1.5 - 10 bar
(JPF+-ATP DN 65: 1.5 - 16 bar)



Potential-free Input and outputs
I/O cable required (see accessories)

Scope of delivery Type JPF+-ATP DN 65 - 100: Filter base made of cast iron, PVC coated for corrosion protection, PN 16. Flange connection to EN 1092-2; silver-plated filter screen made of stainless steel; automatic backwashing using timer (options: hourly, daily, weekly or monthly) and differential pressure switch (adjustable to 0.6 bar) manual start up; Automatic-Control with LCD-display and membrane keypad. Patented safety module for closing the flush valve in the event of a power failure; backwash using the proven point rotation system offering optimal bacterial growth protection and cleaning of filter bell with no interruption to the water supply; floating input for the remote activation of a backwash and floating outputs for the transmission of messages (I/O cable set required).

Scope of delivery Type JPF+-ATP DN 125 - 200: Filter base made of high grade cast iron PN 10, PVC coated for corrosion protection; flange connection to EN 1092-2; silver-plated filter screen made of stainless steel; backwashing using the proven point rotation system and cleaning of filter bell; differential pressure measurement and backwash regulation in a separate control box (230 V/50 Hz) backwash timer and differential pressure controlled, differential pressure settings up to max. 2 bar, incl. potential-free contact for connection to external control system.

Type	JPF+-ATP DN 65	JPF+-ATP DN 80	JPF+-ATP DN 100	JPF+-ATP DN 125	JPF+-ATP DN 150	JPF+-ATP DN 200
Pipe connection	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200
Pipe connection	2½"	3"	4"	5"	6"	8"
Flow rate m³/h *	28	65	78	100	150	200
Installation length mm	240	320	320	560	560	600
Filtration grade micron	100	100	100	100	100	100
Dimensions W x D x H mm	240 x 185 x 577	320 x 231 x 650	320 x 231 x 669	560 x 250 x 702	560 x 470 x 740	600 x 470 x 781
Order number	8001003	8001006	8001008	8320025	8320026	8320027

Versions with non-standard mesh sizes (not silver-plated)	JPF+-ATP DN 65	JPF+-ATP DN 80	JPF+-ATP DN 100	JPF+-ATP DN 125	JPF+-ATP DN 150	JPF+-ATP DN 200
Filtration grade 30 micron	on request	on request	on request	8320010	8320011	8320012
Filtration grade 320 micron	on request	on request	on request	8020051	8020053	8020055
Filtration grade 500 micron	on request	on request	on request	8020052	8020054	8020056

Accessories	Order number
JUDO I/O cable set For the transmission of potential-free messages (suitable for PROFIMAT-PLUS-AT/ATP ¾" - DN 100).	2021074

Made in Germany	Proven quality	Transparent filter bell	Especially hygienic	Ergonomic handwheel	Very reliable	Filter screen silver-plated	Stable cast iron housing	Especially thorough backwashing



Type JPF+-ATP DN 200

- ✓ **Quality assured**
made in Germany
- ✓ **Reliable protection**
against particle inflow
- ✓ **Economical**
no expensive and complicated cartridge changes
- ✓ **Automatic backwash**
with timer and pressure differential control and external control unit (Type JPF+ ATP DN 125 - 200)
- ✓ **Integrated emergency power supply, JUDO Safety-Module**, which completes the backwash process in the event of a power failure and closes the flush valve. (Type JPF-ATP DN 80 - DN100)
- ✓ **Efficient**
effective backwash thanks to point rotation system
- ✓ **Practical**
no interruption to the water supply during backwash
- ✓ **Low impact**
no waste cartridges and low water consumption thanks to an effective backwash

Installation dimensions see page 89.

* Flow rate for drinking water with cleaned screen at 0.5 bar pressure loss. Lower flow should be assumed for service water and heavily contaminated water. Professional advice required!



THE PERFORMANCE RANGE – PROVEN TECHNOLOGY.

Reliable and durable

Tried, tested and in demand

The innovative features incorporated into the JUDO Bioquell® range of protective water filter truly establish these units as top-of-the-range products.

For example, the patented high-tech ceramic drain valve discs for maximum operational safety and durability.

In comparison to cartridge filters, the filter itself does not need to be replaced every six months.

In fact, it is sufficient to simply clean the screen by reversing the direction of flow. No waste and no parts in manual contact with the inflowing water supply. A clear advantage from the hygiene aspects. Filter backwashing is particularly simple to carry out, without interrupting the water supply.

Integrated free outlet

When connecting a backwash protective filter or a domestic water station to the wastewater pipe, a free flush outlet must be provided.

This avoids the possibility of backflow of waste water into the drinking water installation. This ensures the complete separation of drinking and backwash water thus forming a barrier against possible bacterial contamination. The protective filters of the Bioquell® range have an integrated free outlet, making the installation of additional equipment unnecessary.

Safety as an accessory: ECO-SAFE leakage protection

ECO-SAFE protects against the consequences of water damage and recognises both seepage and larger leaks. It can be set individually and has a three-stage holiday mode.

Double protection: Domestic water stations

The domestic water stations of the Bioquell® range are equipped with a pressure reducer and a pressure gauge. Thus, they regulate and stabilise pressure variations with a range of settings from 1.5 to 6 bar.

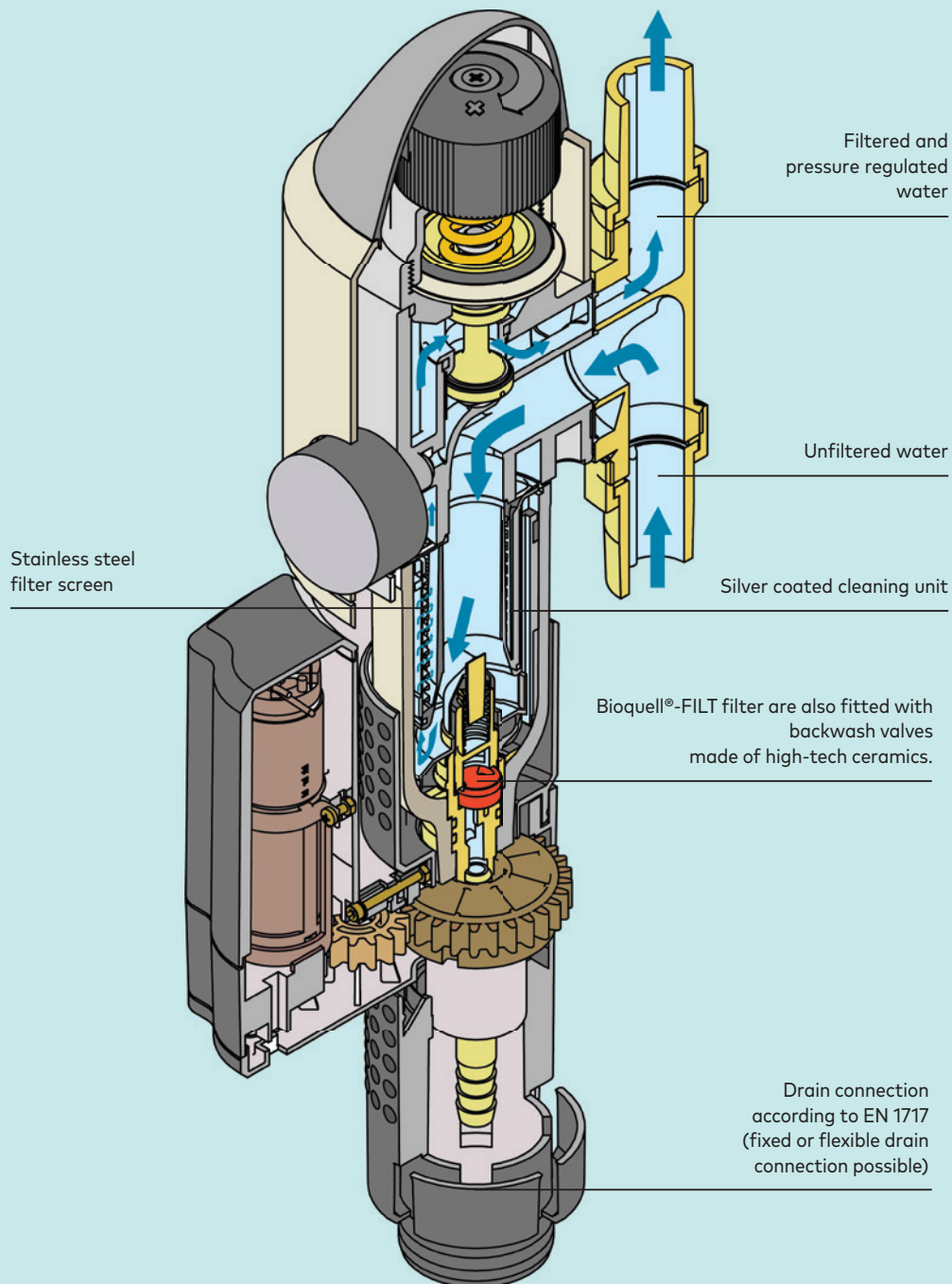
The automatic versions

The use of an automatic retrofit kits allows filters of the Bioquell® range to be upgraded to automatic backwashing units. The following backwash intervals can be set: daily, weekly, monthly, every two months. A full comfort option. With integrated patented safety module.

JUDO BIOQUELL®-FILT BP

JUDO's backwash protective filters protect water pipes, fittings and connected appliances effectively and cost-efficiently.

In JUDO filters, the water flows through the sieve from the outside to the inside. This retains coarse and fine-grained impurities. The filter mesh can be checked from the outside through a sight glass and is backwashed in no time without interrupting the water supply. In addition, Bioquell®-FILT filters are equipped with a patented backwash valve made of high-tech ceramics. This makes them particularly reliable and long-lasting.





Type Bioquell®-FILT BP 3/4" - 1/4"



- ✓ **Quality assured**
made in Germany
- ✓ **Reliable protection**
against particle inflow
- ✓ **Economical**
no expensive and complicated cartridge changes
- ✓ **Uncomplicated**
easy backwashing
- ✓ **Effective backwash**
thanks to ceramic disk technology
- ✓ **Practical**
no interruption to the water supply during backwash
- ✓ **Low impact**
no waste cartridges and low water consumption thanks to an effective backwash
- ✓ **Clean**
UV protective cover cap 3/4" - 1/4"



Type FILT-A (Automatic upgrade kit)

- ✓ **Compact upgrade kit**
- ✓ **Also suitable for retrofitting**
- ✓ **Easy installation**

JUDO Bioquell®-FILT BP 3/4" - 2"

Backwash protective sediment filter with pressure regulation

- ✚ With stainless steel filter screen, pressure regulator, backflow preventer (1½" - 2") and ceramic flush valve.
- ↕ Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.
- 💧 For drinking water up to 30 °C
Operating pressure range 1.5 - 16 bar

Scope of delivery: Filter housing made of high-quality plastic PN 16; built-in rotary flange with bayonet lock made of brass with screw; threaded connector in accordance with EN 10226-1; stainless steel filter screen; cleaning unit (silver-plated 3/4" - 1/4"); large handwheel for backwashing with simultaneous cleaning of the filter bell (with movable UV protection 3/4" - 1/4"). With integrated free outlet discharge and ceramic flush valve with hose connection; pressure manometer; pressure regulator with factory-made pressure adjustment to 4 bar; pressure adjustment range from 1.5 - 6 bar; sound insulated group 1 without cover; cover with integrated backwashing date display.

Type	Bioquell®-FILT BP 3/4"	Bioquell®-FILT BP 1"	Bioquell®-FILT BP 1½"	Bioquell®-FILT BP 1½" *	Bioquell®-FILT BP 2" *
Pipe connection	3/4"	1"	1½"	1½" *	2" *
Flow rate m³/h **	2.3	3.6	5.8	9.1	14.0
Installation length mm	180	195	230	301	335
Filtration grade micron	100	100	100	100	100
Dimensions W x D x H mm	130 x 155 x 428	130 x 155 x 428	130 x 160 x 428	108 x 212 x 537	108 x 220 x 537
Order number	8170325	8170326	8170327	8170328	8170329

Made in Germany	Pressure regulator	Filter screen made of stainless steel	Proven quality	Transparent filter bell	Ergonomic handwheel	Backwashing reminder	Very reliable	Horizontal and vertical installation

JUDO FILT-A

Automatic upgrade unit

- ✚ For the upgrade of manual Bioquell®-FILT BP water stations to automatic backwashing units, with patented safety module and pot.-free contact for external reporting.

Scope of delivery: For the upgrade of manual Bioquell®-FILT BP filter to automatic backwash units. Timer-controlled automatic backwashing. The filter screen surface is cleaned three times during each backwashing process. Presettable backwash interval (1 day, 1 week, 1 month, 2 months). Including plug-in 230 V/50 Hz power supply. With buffer battery, which ensures that backwashing which has already started is completed even if there is power failure, and test unit for the buffer battery.

Unit may be assembled with manual filter at point of sale to provide a completed automatic filter or retrofitted to upgrade an existing manual Bioquell®-FILT BP unit.

Please note: When upgrading an existing manual Bioquell®-FILT BP unit, direct access to a power supply and drain is required.

Order number	2170666
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* Bioquell®-FILT BP 1½" - 2": with non return valve
** To EN 1567 for drinking water on a clean screen.

Installation dimensions see page 89.

JUDO Bioquell®-FILT B ¾" - 2"

Backwash protective sediment filter

With stainless steel filter screen, backwash unit, ceramic flush valve, integrated backwash reminder.

For drinking water up to 30 °C
Operating pressure range 1.5 - 16 bar

Scope of delivery: Filter housing made of high-quality plastic (PN 16); screws made of brass, threaded connector in accordance with EN 10226-1; stainless steel filter screen; cleaning unit (silver-plated ¾" - 1¼"); large handwheel for backwashing with simultaneous cleaning of the filter bell (with movable UV protection ¾" - 1¼"). With integrated free outlet discharge and ceramic flush valve with hose connection as well as cover with integrated backwash date display.

Type	Bioquell®-FILT B ¾"	Bioquell®-FILT B 1"	Bioquell®-FILT B 1¼"	Bioquell®-FILT B 1½"	Bioquell®-FILT B 2"
Pipe connection	¾"	1"	1¼"	1½"	2"
Flow rate m³/h *	6.1	7.1	7.3	12.2	15.1
Installation length mm	180	195	230	252	280
Filtration grade micron	100	100	100	100	100
Dimensions W x D x H mm	180 x 115 x 386	195 x 115 x 386	230 x 115 x 386	252 x 114 x 369	280 x 114 x 384
Order number	8070710	8070711	8070712	8070713	8070714



Made in Germany



Filter screen made of stainless steel



Proven quality



Transparent filter bell



Ergonomic handwheel



Back-washing reminder



Very reliable

JUDO FILT-A

Automatic upgrade unit

For the upgrade of manual backwashing Bioquell®-FILT B Filters to automatic backwashing units, with patented safety module and pot.-free contact for external reporting.

Scope of delivery: For the upgrade of manual Bioquell®-FILT BP filter to automatic backwash units. Timer-controlled automatic backwashing. The filter screen surface is cleaned three times during each backwashing process. Presettable backwash interval (1 day, 1 week, 1 month, 2 months). Including plug-in 230 V/50 Hz power supply. With buffer battery, which ensures that backwashing which has already started is completed even if there is power failure, and test unit for the buffer battery.

Unit may be assembled with manual filter at point of sale to provide a completed automatic filter or retrofitted to upgrade an existing manual Bioquell®-FILT BP unit.

Please note: When upgrading an existing manual Bioquell®-FILT BP unit, direct access to a power supply and drain is required.

Order number 2170666

* Flow rate for drinking water with cleaned screen at 0.5 bar pressure loss.

Installation dimensions see page 89.



Type Bioquell®-FILT B ¾" - 1¼"



- ✓ **Quality assured**
made in Germany
- ✓ **Reliable protection**
against particle inflow
- ✓ **Economical**
no expensive and complicated cartridge changes
- ✓ **Uncomplicated**
ease of backwashing
- ✓ **Effective backwash**
thanks to ceramic disk technology
- ✓ **Practical**
no interruption to the water supply during backwash
- ✓ **Low impact**
no waste cartridges and low water consumption thanks to an effective backwash
- ✓ **Clean**
UV protective cover cap ¾" - 1¼"



Type FILT-A (Automatic upgrade kit)

- ✓ **Compact upgrade kit**
- ✓ **Also suitable for retrofitting**
- ✓ **Easy installation**



LEAKAGE PROTECTION RETHOUGHT:

Intelligent. Safe. High-quality.

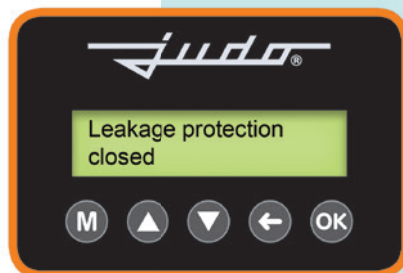
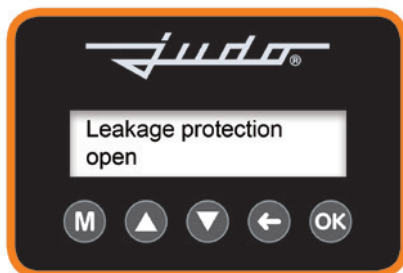
Water damage always comes unexpected. Pitting, corrosion or frost eat away the pipes unnoticed. In addition, unsuitable materials are often installed together or the composition of the water accelerates wear. These problems do not become visible until it is too late – and the flat is under water.

JUDO's leakage protection systems provide optimum protection against all this.

The JUDO PIPE-CARE SYSTEM not only features micro-leakage detection and thus detects even the smallest water losses. It also scores with adjustable limit values. In addition, the overall solution scores with a control via APP when using the LAN and WLAN connection available as an accessory.



The JPCS innovation has programmable opening and closing times for adaptation to applications with different requirements. This makes the device suitable not only for single-family homes, but also for medical practices, kindergartens and commercial properties.



Micro-leakage protection in a class of its own.

Secure: Anytime.
Everywhere.



Illustration Type	PIPE-CARE SYSTEM JPCS-FP 1"			PIPE-CARE SYSTEM JPCS-FB 1"		
Type	JUDO PIPE-CARE SYSTEM JPCS-FP			JUDO PIPE-CARE SYSTEM JPCS-FB		
Pipe connection	¾"	1"	1¼"	¾"	1"	1¼"
Flow rate m³/h	2.3 *	3.6 *	5.8 *	2.0	2.7	3.0
Quick assembly		✓			✓	
Horizontal / vertical installation		✓			✓	
LCD display with keypad		✓			✓	
Leakage protection with micro-leakage detection		✓			✓	
Adjustable limit values		✓			✓	
Learning mode		✓			✓	
Potential free contact **		✓			✓	
Programmable opening and closing times ***		✓			✓	
iOS / Android app / Web browser - Voice control - API interface ***		✓			✓	
WLAN / LAN ***		✓			✓	
Encrypted communication for more security ***		✓			✓	
Control of the leakage protection with JU Control app ***		✓			✓	
Filtration grade micron		100			100	
Domestic water station (with pressure regulation)		✓			-	
Backwash		manual			manual	
Limescale Protection		-			✓	
Polyphosphate Dosing		-			-	
Pressure indicator		✓			✓	
Accessories (optional)						
Connectivity-Module		✓			✓	
Order number	8140045	8140046	8140047	8140039	8140040	8140041

* Flow rate in accordance with EN 1567 ** Cable for external fault signal required

*** with JUDO Connectivity-Module as accessory

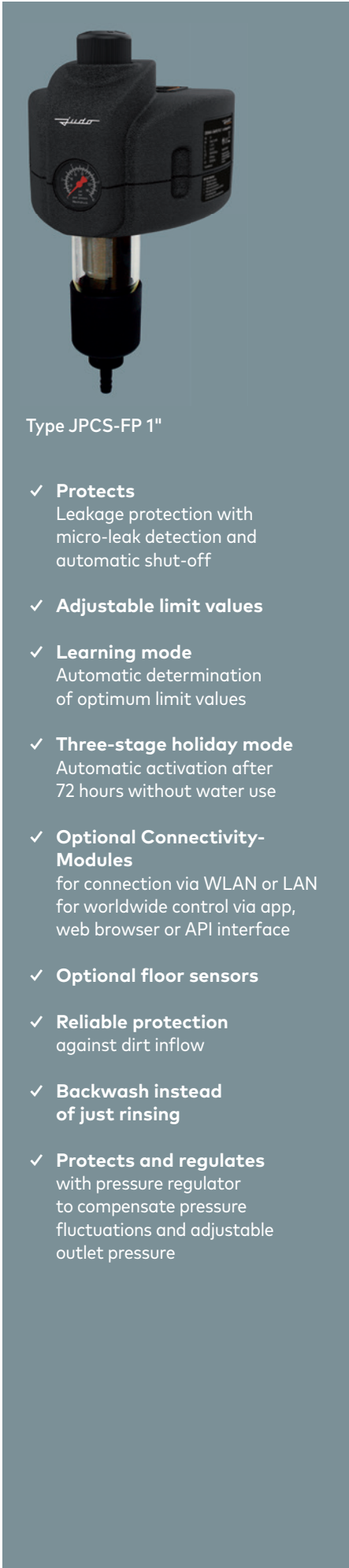


PIPE-CARE SYSTEM JPCS-FD 1"



PIPE-CARE SYSTEM JPCS 1"

JUDO PIPE-CARE SYSTEM JPCS-FD			JUDO PIPE-CARE SYSTEM JPCS			
¾"	1"	1¼"	¾"	1"	1¼"	
2.0	2.7	3.0	4.0	5.0	6.0	
	✓			✓		
	✓			✓		
	✓			✓		
	✓			✓		
	✓			✓		
	✓			✓		
	✓			✓		
	✓			✓		
	✓			✓		
	✓			✓		
	✓			✓		
	✓			✓		
	100			-		
	-			-		
	manual			-		
	✓			-		
	✓			-		
	✓			-		
	✓			✓		
8140042	8140043	8140044	8140048	8140049	8140050	



Type JPCS-FP 1"

- ✓ **Protects**
Leakage protection with micro-leak detection and automatic shut-off
- ✓ **Adjustable limit values**
- ✓ **Learning mode**
Automatic determination of optimum limit values
- ✓ **Three-stage holiday mode**
Automatic activation after 72 hours without water use
- ✓ **Optional Connectivity-Modules**
for connection via WLAN or LAN for worldwide control via app, web browser or API interface
- ✓ **Optional floor sensors**
- ✓ **Reliable protection**
against dirt inflow
- ✓ **Backwash instead of just rinsing**
- ✓ **Protects and regulates**
with pressure regulator to compensate pressure fluctuations and adjustable outlet pressure

JUDO PIPE-CARE SYSTEM JPCS-FP

Micro-leakage protection system with backwash protective filter and integrated pressure regulator

- ✚ Protects against the consequences of particles, high pressure, water damage and detects water seepage.
- ↕ Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.
- 💧 For drinking water up to 30 °C
Operating pressure max. 16 bar



Scope of delivery: Combination of leakage protection and drinking water filtration including pressure regulator. Covering made of recyclable EPP protects against condensation. Product consisting of: leakage protection system (according to DIN 3553) with housing made of high-quality plastic (PN 16); turbine flow meter with hall sensor; ball valve with servomotor and manual override for shutting off the water flow when individually preselectable limit values are exceeded (max. water quantity, max. water flow and max. time of water use) and when a micro-leak is detected; automatic activation of holiday mode after 72 hours without water use; stand-by function; learning mode for automatic determination of optimum limit values; control electronics with membrane keypad and multi-cell LCD display for operation, cause of shut-off and other messages as well as for setting the leakage protection function; plug-in power supply (230 V/50 Hz); with potential-free fault signal; connection option for several floor sensors (max. 10 pieces). Domestic water station with filter housing made of high-quality plastic (PN 16); stainless steel filter screen; cleaning unit; handwheel for backwashing of the filter screen with simultaneous cleaning of the inspection window; with hose connection; pressure gauge; pressure regulator with factory-made pressure adjustment to 4 bar, pressure adjustment range from 1,5 bar - 6 bar, sound insulated group 1 without cover. Including built-in rotary flange with bayonet connection made of brass with screws, threaded connection in accordance with EN 10226-1; horizontal or vertical installation possible.

Optional connectivity: JUDO Connectivity-Module for connecting the JPCS-devices via WLAN/LAN to a home network and the Internet, iOS/Android app, web browser and API interface for integration into local smart home systems, for worldwide access to comprehensive information, automated messages and functions such as the setting of the leakage protection system and activation of the i-safe+ shut-off valve. Enables the adaptation to individual consumption habits via programmable opening and closing times.

Note on the use of opening and closing times: For the set-up and installation, the use of the JU-Control app or the browser app, and an active internet connection of the device are required.


Type	JPCS-FP ¾"	JPCS-FP 1"	JPCS-FP 1¼"
Pipe connection	¾"	1"	1¼"
Flow rate m³/h **	2.3	3.6	5.8
Installation length mm	180	195	230
Filtration grade micron	100	100	100
Order number	8140045	8140046	8140047

Accessories	Order number
JUDO Connectivity-Module with WLAN or LAN connection.	2202271
JUDO floor sensor incl. connection cable, 2 metres	8203554
Each additional floor sensor (max. 9 pieces): JUDO floor sensor incl. connection cable 2 metres and branch connector.	8203556
JUDO extension cable for floor sensor, 2 metres.	8203551
JUDO extension cable for floor sensor, 5 metres.	8203552
JUDO extension cable for floor sensor, 10 metres.	8203553
JUDO potential-free signal cable for errors relay, 10 metres	2200717


* According to the working conditions, it may be necessary to increase the downstream pressure (in order to adjust the ratio between upstream and downstream pressures).
** Nominal flow of the clean filter in accordance with EN 1567 for drinking water.

JUDO PIPE-CARE SYSTEM JPCS-FB

Micro-leakage protection system with integrated backwash protective filter and limescale prevention unit

 Protects against the consequences of high water hardness, particles, water damage and detects water seepage.

 Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.

 For drinking water up to 30 °C
Operating pressure max. 16 bar



Scope of delivery: Combination of leakage protection, drinking water filtration and limescale protection. Covering made of recyclable EPP protects against condensation. Product consisting of: leakage protection system (according to DIN 3553) with housing made of high-quality plastic (PN 10); turbine flow meter with hall sensor; ball valve with servomotor and manual override for shutting off the water flow when individually preselectable limit values are exceeded (max. water quantity, max. water flow and max. time of water use) and when a micro-leak is detected; automatic activation of holiday mode after 72 hours without water use; stand-by function; learning mode for automatic determination of optimum limit values; control electronics with membrane keypad and multi-cell LCD display for operation, cause of shut-off and other messages as well as for setting the leakage protection function; plug-in power supply (230 V/50 Hz); with potential-free fault signal; connection option for several floor sensors (max. 10 pieces). Backwash protective filter with filter housing made of high-quality plastic (PN 10); stainless steel filter screen; cleaning unit; handwheel for backwashing of the filter screen with simultaneous cleaning of the inspection window; with hose connection; pressure gauge; limescale protection treatment unit with transparent housing and high-performance magnetic inserts. Including built-in rotary flange with bayonet connection made of brass with screws, threaded connection in accordance with EN 10226-1; horizontal or vertical installation possible.

Optional connectivity: JUDO Connectivity-Module for connecting the JPCS-devices via WLAN/LAN to a home network and the Internet, iOS/Android app, web browser and API interface for integration into local smart home systems, for worldwide access to comprehensive information, automated messages and functions such as the setting of the leakage protection system and activation of the i-safe+ shut-off valve. Enables the adaptation to individual consumption habits via programmable opening and closing times.

Note on the use of opening and closing times: For the set-up and installation, the use of the JU-Control app or the browser app, and an active internet connection of the device are required.

Type	JPCS-FB ¾"	JPCS-FB 1"	JPCS-FB 1¼"
Pipe connection	¾"	1"	1¼"
Flow rate m³/h *	2.0	2.7	3.0
Installation length mm	180	195	230
Filtration grade micron	100	100	100
Order number	8140039	8140040	8140041

Accessories	Order number
JUDO Connectivity-Module with WLAN or LAN connection.	2202271
JUDO floor sensor incl. connection cable, 2 metres	8203554
Each additional floor sensor (max. 9 pieces): JUDO floor sensor incl. connection cable 2 metres and branch connector.	8203556
JUDO extension cable for floor sensor, 2 metres.	8203551
JUDO extension cable for floor sensor, 5 metres.	8203552
JUDO extension cable for floor sensor, 10 metres.	8203553
JUDO potential-free signal cable for errors relay, 10 metres	2200717

* for drinking water with clean filter at 0.5 bar pressure loss.



Type JPCS-FB 1"

- ✓ **Protects**
Leakage protection with micro-leak detection and automatic shut-off
- ✓ **Adjustable limit values**
max. time of water use, max. water quantity and max. flow rate
- ✓ **Learning mode**
Automatic determination of optimum limit values
- ✓ **Three-stage holiday mode**
Automatic activation after 72 hours without water use
- ✓ **Optional Connectivity-Modules**
for connection via WLAN or LAN for worldwide control via app, web browser or API interface
- ✓ **Reliable**
independently checks the operation of the shut-off valve
- ✓ **Optional floor sensors**



Type JPCS-FD 1"

- ✓ **Protects**
Leakage protection with micro-leak detection and automatic shut-off
- ✓ **Adjustable limit values**
- ✓ **Learning mode**
Automatic determination of optimum limit values
- ✓ **Three-stage holiday mode**
Automatic activation after 72 hours without water use
- ✓ **Optional Connectivity-Modules**
for connection via WLAN or LAN for worldwide control via app, web browser or API interface
- ✓ **Optional floor sensors**
- ✓ **Reliable protection**
against dirt entry

JUDO PIPE-CARE SYSTEM JPCS-FD

Micro-leakage protection system with integrated backwash protective filter and polyphosphate dosing unit

✚ Protects against the consequences of high water hardness, corrosion, particles, water damage and detects water seepage.

↔ Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.

💧 For drinking water up to 30 °C
Operating pressure max. 10 bar



Scope of delivery: Combination of leakage protection, drinking water filtration and addition of polyphosphates. Covering made of recyclable EPP protects against condensation. Product consisting of: leakage protection system (according to DIN 3553) with housing made of high-quality plastic (PN 10); turbine flow meter with hall sensor; ball valve with servomotor and manual override for shutting off the water flow when individually preselectable limit values are exceeded (max. water quantity, max. water flow and max. time of water use) and when a micro-leak is detected; automatic activation of holiday mode after 72 hours without water use; stand-by function; learning mode for automatic determination of optimum limit values; control electronics with membrane keypad and multi-cell LCD display for operation, cause of shut-off and other messages as well as for setting the leakage protection function; plug-in power supply (230 V/50 Hz); with potential-free fault signal; connection option for several floor sensors (max. 10 pieces). Backwash protective filter with filter housing made of high-quality plastic (PN 10); stainless steel filter screen; cleaning unit; handwheel for backwashing of the filter screen with simultaneous cleaning of the inspection window; with hose connection; pressure gauge; replaceable dosing cartridge with transparent pressure vessel (PN 10) filled with polyphosphate minerals. Including built-in rotary flange with bayonet connection made of brass with screws, threaded connection in accordance with EN 10226-1; horizontal or vertical installation possible.

Optional connectivity: JUDO Connectivity-Module for connecting the JPCS-devices via WLAN/LAN to a home network and the Internet, iOS/Android app, web browser and API interface for integration into local smart home systems, for worldwide access to comprehensive information, automated messages and functions such as the setting of the leakage protection system and activation of the i-safe+ shut-off valve. Enables the adaptation to individual consumption habits via programmable opening and closing times.

Note on the use of opening and closing times: For the set-up and installation, the use of the JU-Control app or the browser app, and an active internet connection of the device are required.

Type	JPCS-FD ¾"	JPCS-FD 1"	JPCS-FD 1¼"
Pipe connection	¾"	1"	1¼"
Flow rate m³/h *	2.0	2.7	3.0
Installation length mm	180	195	230
Filtration grade micron	100	100	100
Order number	8140042	8140043	8140044


Consumables	Order number
JUDO replacement cartridge polyphosphate	8215019


Accessories	Order number
JUDO Connectivity-Module with WLAN or LAN connection.	2202271
JUDO floor sensor incl. connection cable, 2 metres	8203554
Each additional floor sensor (max. 9 pieces): JUDO floor sensor incl. connection cable 2 metres and branch connector.	8203556
JUDO extension cable for floor sensor, 2 metres.	8203551
JUDO extension cable for floor sensor, 5 metres.	8203552
JUDO extension cable for floor sensor, 10 metres.	8203553
JUDO potential-free signal cable for errors relay, 10 metres	2200717


* for drinking water with clean filter at 0.5 bar pressure loss.

JUDO PIPE-CARE SYSTEM JPCS

Micro-leakage protection system

 Protects against the consequences of water damage and detects water seepage.

 Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.

 For drinking water up to 30 °C
Operating pressure max. 16 bar



Scope of delivery: Leakage protection system (according to DIN 3553) with housing made of high-quality plastic (PN 16); covering made of recyclable EPP protects against condensation; turbine flow meter with hall sensor; ball valve with servomotor and manual override for shutting off the water flow when individually preselectable limit values are exceeded (max. water quantity, max. water flow and max. time of water use) and when a micro-leak is detected; automatic activation of holiday mode after 72 hours without water use; stand-by function; learning mode for automatic determination of optimum limit values; control electronics with membrane keypad and multi-cell LCD display for operation, cause of shut-off and other messages as well as for setting the leakage protection function; plug-in power supply (230 V/50 Hz); with potential-free fault signal; connection option for several floor sensors (max. 10 pieces). Including built-in rotary flange with bayonet connection made of brass with screws, threaded connection in accordance with EN 10226-1; horizontal or vertical installation possible.

Optional connectivity: JUDO Connectivity-Module for connecting the JPCS-devices via WLAN/LAN to a home network and the Internet, iOS/Android app, web browser and API interface for integration into local smart home systems, for worldwide access to comprehensive information, automated messages and functions such as the setting of the leakage protection system and activation of the i-safe+ shut-off valve. Enables the adaptation to individual consumption habits via programmable opening and closing times.

Note on the use of opening and closing times: For the set-up and installation, the use of the JU-Control app or the browser app, and an active internet connection of the device are required.

Type	JPCS ¾"	JPCS 1"	JPCS 1¼"
Pipe connection	¾"	1"	1¼"
Flow rate m³/h	4.0	5.0	6.0
Pressure loss at flow rate bar	0.4	0.6	0.7
Installation length mm	180	195	230
Order number	8140048	8140049	8140050

Accessories	Order number
JUDO Connectivity-Module with WLAN or LAN connection.	2202271
JUDO floor sensor incl. connection cable, 2 metres	8203554
Each additional floor sensor (max. 9 pieces): JUDO floor sensor incl. connection cable 2 metres and branch connector.	8203556
JUDO extension cable for floor sensor, 2 metres.	8203551
JUDO extension cable for floor sensor, 5 metres.	8203552
JUDO extension cable for floor sensor, 10 metres.	8203553
JUDO potential-free signal cable for errors relay, 10 metres	2200717



Type JPCS 1"

- ✓ **Protects**
Leakage protection with micro-leak detection and automatic shut-off
- ✓ **Adjustable limit values**
max. time of water use, max. water quantity and max. flow rate
- ✓ **Learning mode**
Automatic determination of optimum limit values
- ✓ **Three-stage holiday mode**
Automatic activation after 72 hours without water use
- ✓ **Optional Connectivity-Modules**
for connection via WLAN or LAN for worldwide control via app, web browser or API interface
- ✓ **Reliable**
independently checks the operation of the shut-off valve
- ✓ **Optional floor sensors**

JUDO Bioquell®-CLEAR

The home water purifier.

For the removal of residual chlorine and improvement of taste in clear, colourless, iron-and-manganese-free drinking and process water by treatment with activated carbon and Kinetic Degradation Fluxion (= KDF), in non-permanent operation.

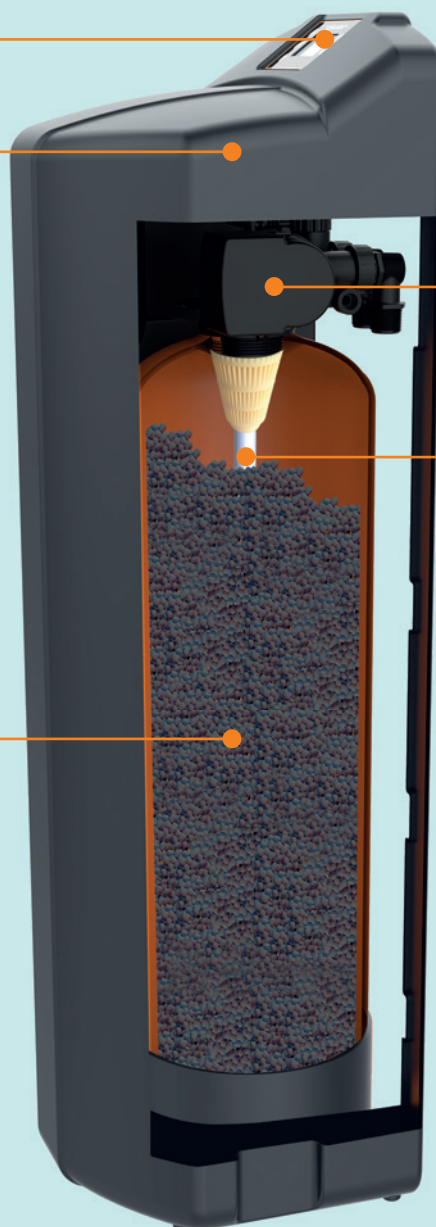
Large display for easy monitoring

Removable covers for easy maintenance

Control valve for larger flow volumes


Riser tube with KDF

High grade activated carbon



JUDO Bioquell®-CLEAR

The home water purifier

 Stable plastic housing, proven quality, automatic and manual backwash, very reliable

Scope of delivery: Filter container in fiberglass-reinforced polyester filled with high-grade activated carbon, upper and lower injectors and tubing filled with KDF, and robust and well-formed casing. Display and electronic controls for operation, backwash, status report and manual backwash start-up. Removable covers for easy maintenance (Bioquell®-CLEAR 150/250).

Note: For hygienic reasons, the activated carbon should be replaced every 6 months.

Type	Bioquell®-CLEAR 75	Bioquell®-CLEAR 120
Pipe connection	¾"	¾"
Flow rate m³/h	0.75	1.2
Active carbon quantity l	8	12
Operating pressure bar	1.5 - 8	1.5 - 8
Max. water temperature °C	40	40
Dimensions W x D x H mm	245 x 270 x 575	275 x 295 x 575
Order number	8200385	8200386

Accessories	Order number
Bypass valve For installation between pipe connector and Bioquell® SOFT / CLEAR	2202015



Made in Germany



Stable plastic housing



Proven quality



Automatic and manual Backwash



Very reliable

Type	Bioquell®-CLEAR 150	Bioquell®-CLEAR 250
Pipe connection	1"	1"
Flow rate m³/h	1.5	2.5
Active carbon quantity l	20	30
Operating pressure bar	1.5 - 8	1.5 - 8
Max. water temperature °C	40	40
Dimensions W x D x H mm	400 x 387 x 1200	400 x 387 x 1200
Order number	8200387	8200388

Accessories	Order number
Bypass valve For installation between pipe connector and Bioquell® SOFT / CLEAR	2202015



Made in Germany



Stable plastic housing



Proven quality



Automatic and manual Backwash



Very reliable



Type Bioquell®-CLEAR 75



Type Bioquell®-CLEAR 250

- ✓ **High flow rate –**
Point of Entry system
- ✓ **High grade activated carbon**
- ✓ **Removes unpleasant odours and tastes**
- ✓ **KDF - Effective against chlorine, sulphides, dissolved heavy metals and microorganisms**
- ✓ **Automatic, time controlled backwash (adjustable)**

Installation dimensions see page 90.

Soft water and more

Intelligent technology
for maximum comfort



Illustration Type	i-soft PRO	i-soft PRO L	i-soft K SAFE+	i-soft K
Type	JUDO i-soft PRO	JUDO i-soft PRO L	JUDO i-soft K SAFE+	JUDO i-soft K
Nominal flow rate according to EN 14743 and pressure loss 1 bar m ³ /h	2.3	3.3	2	2
Nominal flow with hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) m ³ /h	3.8	4.8	3.3	3.3
Recommended number of households	1 - 5	10	1 - 5	1 - 5
Salt supply tank content kg	32	32	25	25
Fully automatic intelligent softening system	✓	✓	✓	✓
Duplex Unit	✓	✓	✓	✓
Single unit	-	-	-	-
24 h MyWater	✓	✓	✓	✓
24 h Soft Water	-	-	-	-
Selection from preset favourite water scenes	✓ ***	✓ ***	✓	✓
Creation of individualised water scenes	✓ ***	✓ ***	-	-
i-guard sensor measurement and i-matic Water quality control	✓	✓	✓	✓
Hygiene optimisation: Automatic hygienisation	✓	✓	✓	✓
iOS / Android App / Web browser – API interface	✓	✓ ***	✓	✓
WLAN / LAN	✓	✓	✓	✓
Encrypted communication for more security	✓	✓	✓	✓
Installation	Floor-standing	Floor-standing	Floor-standing	Floor-standing
Leakage protection with micro-leakage detection / leakage warning	✓ / ✓ ***	✓ / ✓ ***	✓ / ✓	- / ✓
i-salt Management	✓	✓	-	-
Touch display	✓	✓	✓	✓
Signal display	✓	✓	✓	✓
Safety module for protection in the event of a power failure	✓	✓	✓	-
Order number	8203710	8203714	8203526	8203527

* JUDO Connectivity module required as an accessory

** with closed lid

*** reasonable use and operation in apartment buildings by persons/instances to be defined

690 mm**



QUICKSOFT-MP



QUICKSOFT-MP MEGA 5



QUICKSOFT-MP MEGA 7

	JUDO QUICKSOFT-MP	JUDO QUICKSOFT-MP MEGA 5	JUDO QUICKSOFT-MP MEGA 7
	1.8	3.6	5.0
	3.0	5.0	7.0
	1-4	3-6	7-15
	25	50	75
	-	-	-
	✓	✓	✓
	-	-	-
	-	-	-
	✓	✓	✓
	-	-	-
	-	-	-
	-	-	-
	✓	✓	✓
	✓*	✓*	✓*
	✓*	✓*	✓*
	✓*	✓*	✓*
	Floor-standing	Floor-standing	Floor-standing
	-	-	-
	-	-	-
	✓	✓	✓
	✓	✓	✓
	-	-	-
	8203563	on request	on request

Perfectly soft water.

At the touch
of a button.



Illustration Type

i-soft@home

i-soft@home 5

i-soft@home 7.5

Type	JUDO i-soft@home	JUDO i-soft@home 5	JUDO i-soft@home 7.5
Pipe connection	1"	1¼"	1½"
Nominal flow rate according to DIN EN 14743 and pressure loss 1 bar m³/h	2	3.8	5.4
Nominal flow rate with hardness reduction from 20 °dH to 8 °dH m³/h	3.3	5.3	7.5
Recommended number of housing units	1 - 2	3 - 6	7 - 15
Salt storage container Capacity kg	50	100	150
Salt consumption per m³ and softening from 20 °dH to 8 °dH in kg	0.33	0.33	0.33
Fully automatic intelligent softening system	✓	✓	✓
i-guard sensor measurement and control by i-matic of the water quality	✓	✓	✓
Optimization of hygiene : automatic sanitisation	✓	✓	✓
iOS / Android app / Web browser - Voice control - API interface *	✓ / ✓	✓ / ✓	
WLAN / LAN *	○/○	○/○	○/○
Encrypted communication for greater security *	✓	✓	✓
Installation	Split system	Split system	Split system
Connection with flexible lance technology	✓	✓	✓
Leakage warning *	✓	✓	-
Signal display	✓	✓	✓
Accessories (optional)			
Connectivity-Module	✓	✓	✓
Order number	8203040	8203041	8203045

* Connectivity-Module required

The Bioquell®-SOFT range

single chamber units.



Illustration Type	Bioquell®-SOFT 15	Bioquell®-SOFT 40
Type	JUDO Bioquell®-SOFT 15	JUDO Bioquell®-SOFT 40
Pipe connection	¾"	¾"
Flow rate m³/h	0.75	1.5
Salt consumption per regeneration	approx. 0.3 kg	approx. 1.0 kg
Number of bathrooms *	1	1 - 2
Flush volume per regeneration	approx. 50 litres	approx. 80 litres
Salt consumption per regeneration in economy mode kg	0.3	1.0
Display screen	✓	✓
Leakage warning	-	-
Single technology	✓	✓
Order number	8200375	8200377

* Raw water hardness < 3.5 mmol/l (<350 ppm CaCO3) and 3 people per apartment

All data is indicative at 4 bar pressure.



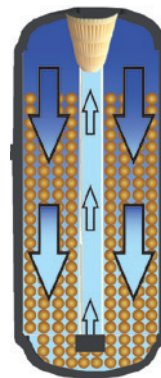
Bioquell®-SOFT 65



Bioquell®-SOFT 100

	JUDO Bioquell®-SOFT 65	JUDO Bioquell®-SOFT 100	
	1"	1"	
	2	2.5	
	approx. 1.6 kg	approx. 2.4 kg	
	1 - 2	2 - 3	
	approx. 110 litres	approx. 170 litres	
	3.2	4.8	
	✓	✓	
	-	-	
	✓	✓	
	8200378	8200379	

These are single chamber, flow controlled units, whereby water is softened in one ion exchange column. When a regeneration is required, untreated water bypasses the unit. Once the regeneration cycle is completed, raw water is again automatically fed into the softening chamber for treatment. All units are stagnation-free and offer hygienic operation thanks to a disinfection process both during the regeneration cycle and automatically after 96 hours with no water flow.





THE HIGHLIGHT

of softening

With the new JUDO i-soft PRO and i-soft PRO L water softeners, you not only get the soft water you want, but also a device in which intuitive operation, functionality and design merge into a single unit. In short: the future of softening.

The JUDO i-soft PRO and i-soft PRO L are compact, floor-standing softeners with a specially developed user experience. It underlines the high value, emphasises the innovative user guidance and reflects the special product quality.



Intuitive operation *

The particularly simple and intuitive user interface makes operating the softener a positive experience. To ensure this, JUDO has developed a completely new user experience (UX) concept. For example, with the quick-start mode, the system can be completely installed in just a few clicks. The entire menu navigation is designed to be particularly intuitive. The display is slanted to ensure excellent readability. The high-quality glass surface is also particularly easy to clean. The floor-standing cabinet offers an optimal operating height. The user can change the desired water quality, control important functions and call up information anywhere and at any time.

Uniquely smart: MSID-Mega Status Indication Display with Wake-Up Sensor

When the user enters the cellar room, the MSID-Mega Status Indication Display with Wake-Up Sensor on the front of the system switches on automatically. When approached, it intuitively displays the operating status, warning and fault messages, a water flow rate and the currently measured salt level.

Resource and energy consumption

The i-soft PRO softeners also offer completely new possibilities in terms of energy and salt consumption. With the help of sensors and complex algorithms, the exact amount of salt is recorded and the brine concentration is precisely determined. Together with the continuous measurement, adaptive capacity control is made possible. This is done by evaluating consumption habits and controlling the amount of brine used. The capacity is automatically increased or reduced depending on consumption, to achieve optimal intervals between two regenerations. The user benefits from optimised salt consumption as well as intelligent and flexible regeneration. The unit independently evaluates the water consumption and can adjust the regulation of the regeneration time. At the same time, only exactly as much regeneration agent and rinse water is used as the incoming, measured water quality actually requires.

Simple installation and commissioning

The system also scores points with its particularly simple installation and commissioning. It can be conveniently connected to any water pipe height and is set up in just a few minutes with the optional quick-start mode. Another plus: the digital operating diary. Water and salt consumption are stored on an SD card. The data can then be easily transferred to a USB stick.

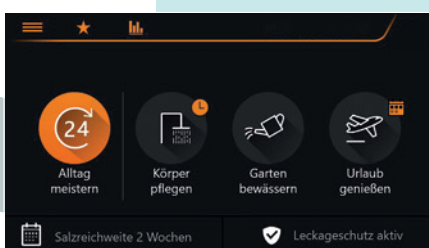
"MyWater" scenes *

There is no one water hardness for all applications. That is why JUDO offers "MyWater" scenes. Brand new with the i-soft PRO softeners: The user or (authorized) persons to be specified can create their own "MyWater" scenes. This allows the system to adapt even better to the habits and preferences of the user.

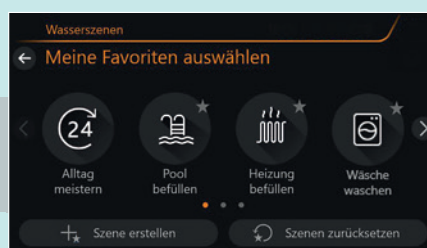
Safety included *

The i-soft PRO softeners have integrated leakage protection including micro-leakage detection. The system recognises even low water consumption and simply shuts off the pipe if the worst comes to the worst. The floor sensors provide additional safety by detecting wetness on the floor and then trigger the closing of the water stop. The safety module is integrated as standard in the i-soft PRO and i-soft PRO L. It contains an emergency power supply that maintains all important system functions for several hours in the event of a power failure. Even the micro-leakage protection and connected leakage sensors remain fully functional. Even if a lifting station is installed in the house, the safety module in combination with a JUDO floor sensor ensures optimum protection against water damage.

* reasonable use and operation in apartment buildings by persons/instances to be defined



Via "MyWater" scenes, such as for example "Mastering everyday life", "Caring for the body", "Watering the garden" or "Enjoying a holiday", the user can adjust the water hardness to the respective situation.



Frequently used desired water scenes can be as favourites. For example, the favourite water scenes "Mastering everyday life", "Filling the pool", "Filling the heating" or "Washing the laundry".



The user can call up important operating data at any time. For example, water consumption – in daily, weekly, monthly or annual view.

JUDO i-soft PRO / i-soft PRO L

Fully automatic water softener with micro-leakage protection



Type i-soft PRO / i-soft PRO L



- ✓ **Measures and regulates,** automatically recognises fluctuations in incoming hardness and adjusts for optimal performance, unique worldwide
 - ✓ **Softened water round the clock.** Dual chamber softening in parallel
 - ✓ **Leakage protection with micro-leakage detection and automatic shut-off**
 - ✓ **Safe in case of power failure**
Patented safety module guarantees safe operating state and leakage protection functionality for several hours
 - ✓ Can be controlled worldwide via app, web browser or API *
 - ✓ **Intelligent**
Unit recognises consumption habits and adjusts automatically to individual needs
 - ✓ **MSID-Mega Status Indication Display with Wake-Up Sensor**
intuitively shows the operating status, warning and fault messages, a water flow rate and the currently measured salt level.
 - ✓ **Economical use**
of the regeneration agent thanks to patented i-salt management
- * reasonable use and operation in apartment buildings by persons/ instances to be defined

Installation dimensions see page 90.

- ✚ Protects from scale deposits and offers water comfort.
- ↔ Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.
- 💧 For drinking water up to 30 °C
Operating pressure range 1,5 - 7 bar

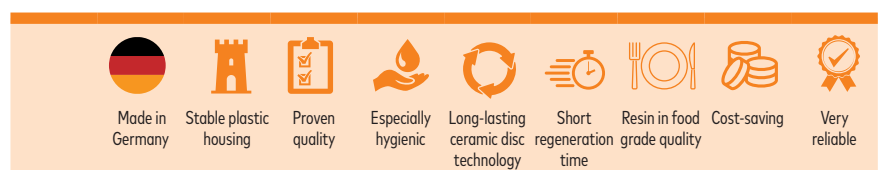


Scope of delivery i-soft PRO: Awarded several design prizes, floor-standing softening system in parallel technology. Consisting of: an elegant plastic housing with high-gloss surfaces to accommodate glass-fibre-reinforced tanks (PN 10) filled with food-grade ion exchange resin; designed for optimum water distribution and minimisation of pressure loss and regenerant expenditure; integrated salt dissolving and storage tank with continuous brine supply; at its heart is i-salt, a unique patented continuous weight measurement system with sensors for precise recording of salt supply, brine concentration and actual regenerant use; Container cover with high-quality glass surface (toughened safety glass), soft-close function and generous regeneration agent filling opening; with i-guard sensor for recording drinking water quality; i-matic blended water control, for constant desired water hardness even with fluctuating input hardness, no manual hardness measurements or adjustment of desired water hardness required; adaptive regeneration with automatic adjustment of system capacity to individual consumption habits; forced regeneration after no more than 72 hours at the latest and system hygienisation by means of built-in disinfection device with platinum-plated titanium electrodes; with i-safe+ leakage protection system (according to DIN 3553) with automatically or manually triggered micro-leakage detection; automatic leakage warning or shut-off of the water pipe if individually preselectable limit values (max. water quantity, max. water flow and max. withdrawal time) and micro-leakage detection; connection option for up to 10 floor sensors; unit control with HD touch display and directional user experience (UX) for particularly intuitive operation; API interface for integration into local Smart Home systems, and functions such as the creation of individual desired water scenes or actuation of the i-safe+ shut-off valve, potential-free fault indication; USB connection; colour MSID-Mega status indication display with wake-up sensor; integrated, battery-buffered, patented safety module, which guarantees the safe operating status as well as the leakage protection functionality even in the event of a power failure lasting several hours; including connection hoses and bypass valve; built-in rotary flange with bayonet connection made of brass with screw connections and installation cover; including siphon for standard-compliant connection to the waste water system according to DIN EN 1717 and DIN 1988-100; plug-in power supply unit 230 V/50 Hz.

Scope of delivery i-soft PRO L: like i-soft PRO; Bypass valve made of brass, for direct mounting in the pipe, with integrated non-return valve and threaded connection.

Type	i-soft PRO	i-soft PRO L
Pipe connection	1"	1¼"
Nominal flow rate according to DIN EN 14743 and pressure loss 1 bar m³/h	2.3	3.3
Nominal flow with hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) m³/h	3.8	4.8
Installation length mm	195	278
Salt supply tank content kg	32	32
Order number	8203710	8203714

Accessories	Order number
JUDO floor sensor for i-soft PRO, incl. connection cable 2 meters.	8203561
JUDO floor sensor extension set Incl. connection cable 2 meters and branch plug (max. 9 pieces).	8203556
JUDO extension cable 2 meters for JUDO floor sensor.	8203551
JUDO extension cable 5 meters for JUDO floor sensor.	8203552
JUDO extension cable 10 meters for JUDO floor sensor.	8203553





FLOOR-STANDING, SMART, ELEGANT, FLEXIBEL

The i-soft K and QUICKSOFT-MP water softeners

With the new floor-standing water softeners, you can expect two true miracles of space. They are easy to set up even when space is limited. In addition, the units can also be mounted on the wall (with accessories) or under the worktop.

The proven JUDO technology is installed in a small space. The units not only offer an attractive design, but also, among other things, 24-hour water on demand with intelligent water management.

JUDO i-soft K SAFE+

Fully automatic water softening unit with micro-leakage protection system



Type i-soft K SAFE+

- ✓ **Measures and regulates,** automatically recognises fluctuations in incoming hardness and adjusts for optimal performance, unique worldwide
- ✓ **Softened water round the clock.** Dual chamber softening in parallel
- ✓ **Optimal unit hygiene,** stagnation-free, forced flow, automatic disinfection
- ✓ **Leakage protection with micro-leakage detection and automatic shut-off**
- ✓ **Regular test of the shut-off function**
- ✓ **Safe in case of power failure**
Patented safety module guarantees safe operating state and leakage protection functionality for several hours
- ✓ **Connectivity- Module** for connection via WLAN or LAN
- ✓ **API interface** for integration into local smart home systems
- ✓ **Signal display**
- ✓ **Siphon included**
- ✓ **Can also be used as a wall unit**
Wall console available as accessory

Installation dimensions see page 90.

✚ Protects from scale deposits and offers water comfort.

↔ Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.

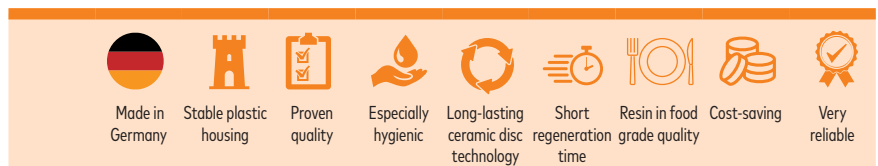
💧 For drinking water up to 30 °C
Operating pressure range 2 - 7 bar



Scope of delivery: Floor-standing or wall-mounted water softener in parallel technology, consisting of plastic housing with glossy surfaces to accommodate glass fibre reinforced tanks (PN 10) filled with food-grade ion exchange resin for optimum water distribution and minimisation of pressure loss and regeneration agent consumption; integrated salt dissolving and storage tank with continuous brine supply and level monitoring; tank cover with high-quality surface, soft-close function and practical regenerant filling opening; with i-guard sensor in the water inlet for recording the drinking water quality; i-matic blended water control, for constant desired water hardness even with fluctuating input hardness; no manual hardness measurements or adjustment of the water hardness required; wear-free ceramic disc technology that has been tried and tested hundreds of thousands of times for lifelong programmed operating sequences; forced regeneration after 72 hours at the latest and system hygiene through built-in disinfection device with platinum-plated titanium electrodes; with i-safe+ leakage protection system to shut off the water pipe in the event of a leakage. Exceeding individually pre-selectable limit values (max. water volume, max. water flow rate and max. withdrawal time) and micro-leakage detection; automatic activation of absence (holiday mode) after 72 hours without water withdrawal and stand-by function; control electronics with touch-sensitive keypad and multi-line LCD display for operation, regeneration, residual hardness, 2-stage salt deficiency display, colored status light display, as well as manual regeneration triggering and setting of the leakage protection function; potential-free fault indication; integrated connectivity module for connecting the i-soft K SAFE+ to a home network and the internet via WLAN/LAN, iOS/Android app, web browser app and API interface for integration into local smart home systems, for worldwide access to extensive information, automated messages and functions such as setting the desired water level or actuating the i-safe+ shut-off valve; integrated, battery-buffered control unit, patented safety module, which guarantees safe operating status and leakage protection functionality even in the event of a power failure lasting several hours; connection option for up to 10 floor sensors; including QUICKSET-U quick installation kit with bypass valve and screw connections, for connection to the pipework and hose connections for connection to the softener; including flexible DVGW-tested connection hoses and siphon for standardised connection to the waste water system in accordance with DIN EN 1717 and DIN 1988-100; 230 V/50 Hz plug-in power supply unit.

Type	i-soft K SAFE+
Pipe connection	1"
Flow rate m ³ /h	2
Nominal flow with hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) m ³ /h	3,3
Peak flow m ³ /h	3.5
Installation length mm	195
Salt supply tank content kg	25
Order number	8203526

Accessories	Order number
JUDO wall bracket made of stainless steel (V2A) with mounting material for i-soft K and QUICKSOFT-MP.	2202274
JUDO cable for external fault signal, length 10 meters.	2200717



JUDO i-soft K

Fully automatic water softening unit



Protects from scale deposits and offers water comfort.



Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.



For drinking water up to 30 °C
Operating pressure range 2 - 7 bar



Scope of delivery: Floor-standing or wall-mounted (wall bracket order no. 2202274 required) softening system in parallel technology, consisting of plastic housing with glossy surfaces to accommodate glass-fibre reinforced tanks (PN 10) filled with food-grade ion exchange resin for optimum water distribution and minimisation of pressure loss and regeneration agent expenditure; integrated salt dissolving and storage tank with continuous brine supply and level monitoring; tank cover with high-quality surface, soft-close function and practical regeneration agent filling opening; with i-guard sensor in the water inlet for recording the drinking water quality; i-matic blend water control, for constant desired water hardness even with fluctuating input hardness; no manual hardness measurements or adjustment of the desired water hardness required; wear-free ceramic disc technology, proven hundreds of thousands of times, for lifelong programmed operating sequences; forced regeneration after 72 hours at the latest and system hygiene through built-in disinfection device with platinum-plated titanium electrodes; with leakage warning system, for warning signal when individually preselectable limit values are exceeded (max. water quantity, max. water flow and max. withdrawal time); control electronics with touch-sensitive keypad and multi-line LCD display for operation, regeneration, residual hardness, 2-stage salt deficiency display, coloured status light display, as well as manual regeneration triggering and setting of the leakage warning function; potential-free fault indication; shut-off valve; including QUICKSET-U quick installation kit with bypass valve and screw connections, for connection to the pipe and hose connections for connection to the softener; including flexible DVGW-tested connection hoses and siphon for standard-compliant connection to the wastewater system according to DIN EN 1717 and DIN 1988-100; plug-in power supply unit 230 V/50 Hz.

Type	i-soft K
Pipe connection	1"
Flow rate m ³ /h	2
Nominal flow with hardness reduction from 360 ppm (CaCO ₂) to 140 ppm (CaCO ₂) m ³ /h	3.3
Peak flow m ³ /h	3.5
Installation length mm	195
Salt supply tank content kg	25
Order number	8203527

Accessories	Order number
JUDO wall bracket made of stainless steel (V2A) with mounting material for i-soft K and QUICKSOFT-MP.	2202274
JUDO cable for external fault signal, length 10 meters.	2200717



Made in Germany



Stable plastic housing



Proven quality



Especially hygienic



Long-lasting ceramic disc technology



Short regeneration time



Resin in food grade quality



Cost-saving



Very reliable



Signal display with traffic light function



Holiday mode



Type i-soft K

- ✓ **Measures and regulates,** automatically recognises fluctuations in incoming hardness and adjusts for optimal performance, unique worldwide
- ✓ **Softened water round the clock.** Dual chamber softening in parallel
- ✓ **Optimal unit hygiene,** stagnation-free, forced flow, automatic disinfection
- ✓ **Leakage warning**
- ✓ **Signal display**
- ✓ **Siphon included**
- ✓ **Can also be used as a wall unit**
Wall console available as accessory

Installation dimensions see page 90.



JUDO QUICKSOFT – UNIQUE AMONG ITS PEERS

Especially compact or eminently flexible?

Top end technology cased in three different bodies: QUICKSOFT-P and MEGA are split part units with softener and brine/salt tank are separated. Easy to fill and clean and, thanks to an extremely flexible connection tube, offering high adaptability in installation options. And that is not the end of the story as, just like the 'little brothers' of the family, the QUICKSOFT KP and MEGA, these floor-mounted units are all extremely compact in size but veritable giants in performance. A small cellar, utility cupboard or a corner of the apartment. There is always a unit that fits.

Parallel operation

QUICKSOFT-P, QUICKSOFT KP, QUICKSOFT MEGA 4 and QUICKSOFT MEGA 6 are duplex stations with softening tanks working in parallel. This mode of operation allows for 24/7 softened water supply. Additional benefits: maximum reliability, hygiene and economy of operation.

Hygiene

Stagnation-free operation. Softening chambers with forced flow. The highest quality of monospheric resin. Optimised regeneration intervals. Disinfection and hygienic rinse with every regeneration cycle. In short: The range of QUICKSOFT duplex softeners offer the best in hygiene, performance and safety.

Ceramic disc technology

For a precise and efficient control of regeneration cycles and a longer working life.

Control screen with touch control

All functions are simply and easily controlled by digital display. The menu is easy to use and to follow. Utmost practical, and unique to JUDO: the signal screen. Thanks to the changing background colours, the operation status of the device is visible even from a distance.

Salt level indicator

By changing the colour on the signal screen as well as with a message on the display, your unit will let you know when it is time to replenish your salt supply.

Optional: Connectivity-Module

The QUICKSOFT KP, QUICKSOFT-P or QUICKSOFT MEGA 4 and 6 water softeners can be equipped with the Connectivity-Module. This means that your softened water "expert" also becomes a communication genius.

A simple glance at your smartphone informs you about the available salt supply. You also learn when the next annual maintenance is due, if an anomaly is detected or whether the softener is currently in the regeneration phase. You can also check the total volume of water consumed or the status of the software. You even have the option to start up a regeneration without even being in the same building.



Operating status



Water flow



Warning message



Error message




JUDO QUICKSOFT-MP

Water softening unit



Type QUICKSOFT-MP

- ✓ **Softened water round the clock.**
Dual chamber softening in parallel
- ✓ **Optimal unit hygiene,**
stagnation-free, forced flow, automatic disinfection
- ✓ **Signal-Display**
- ✓ **Siphon included**
- ✓ **Optional Connectivity-Modules**
for connection via WLAN or LAN
for worldwide control via app,
web browser or API interface
- ✓ **Can also be used as a wall unit**
Wall console available as accessory

-  Protects from scale deposits and offers water comfort.
-  Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.
-  For drinking water up to 30 °C
Operating pressure range 2 - 7 bar

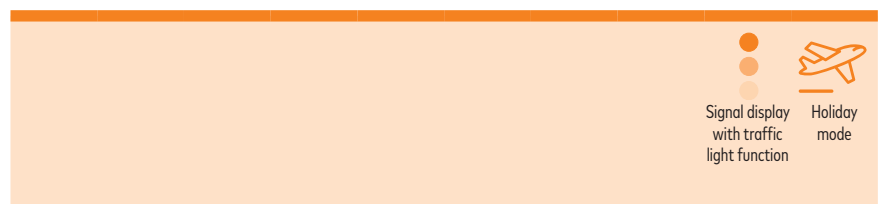


Scope of delivery: Floor-standing or wall-mounted (wall bracket order no. 2202274 required) softening system in parallel technology, consisting of plastic housing with glossy surfaces to accommodate glass-fibre reinforced tanks (PN 10) filled with food-grade ion exchange resin for optimum water distribution and minimisation of pressure loss and regeneration agent expenditure; integrated salt dissolving and storage tank with continuous brine supply as well as level monitoring; tank cover with high-quality surface, soft-close function and practical regeneration agent filling opening; wear-free ceramic disc technology, proven hundreds of thousands of times, for lifelong programmed operating sequences; Forced regeneration after 72 hours at the latest and system hygiene through built-in disinfection device with platinum-plated titanium electrodes; control electronics with touch-sensitive keyboard and multi-line LCD display for operation, regeneration, salt shortage, coloured status light display, as well as manual regeneration triggering; potential-free fault signal; including QUICKSET-U quick-mounting kit with bypass valve and screw connections, for connection to the pipe and hose connections for connection to the softener; including flexible DVGW-tested connection hoses and siphon for standard-compliant connection to the wastewater system according to DIN EN 1717 and DIN 1988-100, as well as a hardness measuring set; plug-in power supply unit 230 V/50 Hz.

Type	QUICKSOFT-MP
Pipe connection	1"
Flow rate m ³ /h	1.8
Nominal flow with hardness reduction from 360 ppm (CaCO ₂) to 140 ppm (CaCO ₂) m ³ /h	3
Peak flow m ³ /h	3.5
Installation length mm	195
Salt supply tank content kg	25
Salt use for each m ³ and hardness reduction from 360 ppm (CaCO ₂) to 140 ppm (CaCO ₂) kg	0.4
Order number	8203563

Resources	Order number
JUDO regenerating salt in tablet form. According to DIN EN 973, 25 kg each.	8839101




Accessories	Order number
JUDO Connectivity-Module with WLAN or LAN connection.	2202271
JUDO wall bracket made of stainless steel (V2A) with mounting material for i-soft K and QUICKSOFT-MP.	2202274
JUDO cable For external fault signal, length 10 meters.	2200717



Installation dimensions see page 91.

JUDO QUICKSOFT-MP MEGA 5

Water softening unit

-  Protects from scale deposits and offers water comfort.
-  Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.
-  For drinking water up to 30 °C
Operating pressure range 2 - 7 bar












Scope of delivery: System consisting of a parallel water manifold for two softener modules, including common bypass valve, flexible DVGW-tested connection hoses, built-in rotary flange with bayonet connection made of brass with screw connections and installation cover; including siphons for standard-compliant connection to the waste water system according to DIN EN 1717 and DIN 1988-100 as well as a hardness measuring set; plug-in power supply 230 V/50 Hz. Softener module consisting of: glass-fibre reinforced tanks (PN 10) filled with food-grade ion exchange resin for optimum water distribution and minimisation of pressure loss and regeneration agent expenditure; integrated salt and brine container with softclose lid with quantity-dependent control; wear-free ceramic disc technology, proven hundreds of thousands of times, for lifelong programmed operating sequences; control electronics with membrane keypad and multi-line LCD display for operation, regeneration and salt deficiency; coloured status light display (signal display); additional manual regeneration triggering and potential-free fault signal; forced regeneration after 72 hours at the latest and system hygienisation by means of built-in disinfection device with platinum-plated titanium electrodes; integrated salt dissolving and storage tank with continuous brine supply and integrated level monitoring and softclose lid; connection to main unit is uncomplicated with lance technology.

Type	QUICKSOFT-MP MEGA 5
Pipe connection	1¼"
Flow rate m³/h	3.6
Nominal flow with hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) m³/h	4,5
Installation length mm	230
Salt supply tank content kg	100
Salt use for each m³ and hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) kg	0.4
Order number	on request

Resources	Order number
JUDO regenerating salt in tablet form. According to DIN EN 973, 25 kg each.	8839101

Accessories	Order number
JUDO Connectivity-Module with WLAN or LAN connection.	2202271
JUDO cable For external fault signal, length 10 meters.	2200717

								
Made in Germany	Stable plastic housing	Proven quality	Especially hygienic	Long-lasting ceramic disc technology	Short regeneration time	Resin in food grade quality	Cost-saving	Very reliable

	
Signal display with traffic light function	Holiday mode



Type QUICKSOFT-MP MEGA 5



- ✓ **Softened water round the clock.**
Multi chamber softening in parallel
- ✓ **Optimal unit hygiene,**
stagnation-free, forced flow, automatic disinfection
- ✓ **Signal-Display**
- ✓ **Siphon included**
- ✓ **Optional Connectivity-Modules**
for connection via WLAN or LAN
for worldwide control via app, web browser or API interface

Installation dimensions see page 91.

JUDO QUICKSOFT-MP MEGA 7

Water softening unit





Type QUICKSOFT-MP MEGA 7




- ✓ **Softened water round the clock.**
Multi chamber softening in parallel
- ✓ **Optimal unit hygiene,**
stagnation-free, forced flow, automatic disinfection
- ✓ **Signal-Display**
- ✓ **Siphon included**
- ✓ **Optional Connectivity-Modules**
for connection via WLAN or LAN
for worldwide control via app,
web browser or API interface

Installation dimensions see page 91.

 Protects from scale deposits and offers water comfort.

 Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.

 For drinking water up to 30 °C
Operating pressure range 2 - 7 bar





Scope of delivery: System consisting of a parallel water manifold for three softener modules, including bypass valves, flexible DVGW-tested connection hoses, built-in rotary flange with brass bayonet connection with screw connections and mounting cover; including siphons for standard-compliant connection to the waste water system according to DIN EN 1717 and DIN 1988-100 as well as a hardness measuring set; plug-in power supply units 230 V/50 Hz. Softener module consisting of: glass-fibre reinforced tanks (PN 10) filled with food-grade ion exchange resin for optimum water distribution and minimisation of pressure loss and regeneration agent expenditure; with quantity-dependent control; wear-free ceramic disc technology, tried and tested hundreds of thousands of times, for lifelong programmed operating sequences; control electronics with foil keyboard and multiline Control electronics with foil keyboard and multi-line LCD display for operation, regeneration and salt shortage; coloured status light display (signal display); additional manual regeneration triggering and potential-free fault signal; forced regeneration after 72 hours at the latest and system hygienisation by means of built-in disinfection device with platinised titanium electrodes; integrated salt dissolving and storage tank with continuous brine supply and integrated level monitoring and softclose lid; connection to the main unit is uncomplicated with lance technology.

Type	QUICKSOFT-MP MEGA 7
Pipe connection	1½"
Flow rate m³/h	5.0
Nominal flow with hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) m³/h	6
Installation length mm	306
Salt supply tank content kg	150
Salt use for each m³ and hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) kg	0.4
Order number	on request

Resources	Order number
JUDO regenerating salt in tablet form. According to DIN EN 973, 25 kg each.	8839101

Accessories	Order number
JUDO Connectivity-Module with WLAN or LAN connection.	2202271
JUDO cable For external fault signal, length 10 meters.	2200717

								
Made in Germany	Stable plastic housing	Proven quality	Especially hygienic	Long-lasting ceramic disc technology	Short regeneration time	Resin in food grade quality	Cost-saving	Very reliable

	
Signal display with traffic light function	Holiday mode

JUDO QUICKSOFT-P

Water softening unit

- Protects from scale deposits and offers water comfort.
- Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.
- For drinking water up to 30 °C
Operating pressure range 2 - 7 bar



Scope of delivery JQS-P: Unit consisting of fiberglass-reinforced tanks (PN 10), filled with high-quality monospheric ion exchange resin in food grade quality for optimal water distribution and minimization of pressure loss and regeneration agent consumption. Separate salt solution and supply tank with continuous brine supply and integrated level monitoring. Tried and tested, wear-free ceramic disc technology for lifelong programmed operational sequences. Forced regeneration after 72 hours and unit cleaning through integrated disinfection device with platinum plated titanium electrodes. Controller electronics with membrane keyboard and multi-cell LCD display for operation, regeneration, salt deficiency, colour status display as well as manual regeneration and potential-free fault signal. Including built-in rotary flange with bayonet connection, with screws and assembly cover; including siphon for standard connection to the waste water system in accordance with EN 1717 and DIN 1988-100; plug-in power supply.

Option to upgrade with accessories: JUDO Connectivity-Module for connecting the softener module via WLAN/LAN to a home network and the Internet, iOS/Android app, web browser and API interface for integration into local smart home systems, for worldwide access to comprehensive information, automated messages and functions such as regeneration triggering.

Type	JQS-P
Pipe connection	1"
Nominal flow rate according to DIN EN 14743 and pressure loss 1 bar m ³ /h	1.8
Nominal flow with hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) m ³ /h	3.0
Peak flow m ³ /h	3.5
Salt supply tank content kg	50
Salt use for each m ³ and hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) kg	0.4
Dimensions W x D x H mm	390 x 435 x 1.470
Order number	8203523

Accessories	Order number
JUDO Connectivity-Module with WLAN or LAN connection.	2202271

- Made in Germany
- Stable plastic housing
- Proven quality
- Especially hygienic
- Long-lasting ceramic disc technology
- Short regeneration time
- Resin in food grade quality
- Cost-saving

- Separate brine tank
- Very reliable
- Signal display with traffic light function
- Holiday mode



Type QUICKSOFT-P

- ✓ **Quality assured**
made in Germany
- ✓ **Softened water round the clock.** Dual chamber softening in parallel
- ✓ **Optimal unit hygiene,** stagnation-free, forced flow, automatic disinfection
- ✓ **Signal-Display**
- ✓ **Optional Connectivity-Modules**
for connection via WLAN or LAN for worldwide control via app, web browser or API interface
- ✓ **Siphon included**



QUICKSET-X bypass valve (JQX) included

Installation dimensions see page 92.



Type QUICKSOFT MEGA 4



- ✓ Softened water round the clock. Dual chamber softening in parallel
- ✓ Optimal unit hygiene, stagnation-free, forced flow, automatic disinfection
- ✓ Signal-Display
- ✓ Siphon included
- ✓ Optional Connectivity-Modules for connection via WLAN or LAN for worldwide control via app, web browser or API interface

Installation dimensions see page 92.

JUDO QUICKSOFT MEGA 4

Softening unit for building services

- Protects from scale deposits and offers water comfort.
- Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.
- For drinking water up to 30 °C
Operating pressure range 2 - 7 bar



Scope of delivery QUICKSOFT MEGA 4: Unit consisting of two softener modules, a bypass valve, a brass parallel connection block and a wall support. Softener modules consisting of: fiberglass reinforced tanks (PN 10) filled with food-grade ion exchange resin for optimum water distribution and minimisation of pressure loss and regeneration agent consumption. Separate salt dissolution and storage tank with continuous brine storage and integrated level control, connection with lance technology. Tried and tested, wear-free ceramic disc technology for lifelong programmed operational sequences. Forced regeneration after a maximum of 72 hours and system hygiene by means of a built-in disinfection device with platinised titanium electrodes. Control electronics with membrane keypad and multi-line LCD display for operation, regeneration, salt deficiency, colour status display, as well as manual regeneration triggering and potential-free fault signal. Including built-in rotary flange with bayonet connection, with screw connections and installation cover. Including siphon for standard-compliant connection to the waste water system according to EN 1717 and DIN 1988-100 as well as a hardness measuring set. Power supply 230 V/50 Hz.

Option to upgrade with accessories: Connectivity-Modules for connecting the softener modules via WLAN/LAN to a home network and the Internet, iOS/Android app, web browser and API interface for integration into local smart home systems, for worldwide access to comprehensive information, automated messages and functions such as regeneration triggering.




Type	QUICKSOFT MEGA 4
Pipe connection	1½"
Nominal flow rate according to DIN EN 14743 and pressure loss 1 bar m³/h	3.0
Nominal flow with hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) m³/h	4.5
Installation length mm	230
Salt supply tank content kg	100
Salt use for each m³ and hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) kg	0.4
Order number	8200367

Consumables	Order number
JUDO regenerating salt According to DIN EN 973 in tablet form of 25 kg.	8839101

Accessoires	Order number
JUDO Connectivity-Module with WLAN or LAN connection, two modules recommended for QUICKSOFT MEGA 4	2202271
JUDO potential-free signal cable for errors relay, 10 metres	2200717

JUDO QUICKSOFT MEGA 6

Softening unit for building services

-  Protects from scale deposits and offers water comfort.
-  Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.
-  For drinking water up to 30 °C
Operating pressure range 2 - 7 bar



Scope of delivery QUICKSOFT MEGA 6: Unit consisting of three softener modules, a bypass valve, a brass parallel connection block and a wall support. Softener modules consisting of: fiberglass reinforced tanks (PN 10) filled with food-grade ion exchange resin for optimum water distribution and minimisation of pressure loss and regeneration agent consumption. Separate salt dissolution and storage tank with continuous brine storage and integrated level control, connection with lance technology. Tried and tested, wear-free ceramic disc technology for lifelong programmed operational sequences. Forced regeneration after a maximum of 72 hours and system hygiene by means of a built-in disinfection device with platinised titanium electrodes. Control electronics with membrane keypad and multi-line LCD display for operation, regeneration, salt deficiency, colour status display, as well as manual regeneration triggering and potential-free fault signal. Including built-in rotary flange with bayonet connection, with screw connections and installation cover. Including siphon for standard-compliant connection to the waste water system according to EN 1717 and DIN 1988-100 as well as a hardness measuring set. Power supply 230 V/50 Hz.

Option to upgrade with accessories: Connectivity-Modules for connecting the softener modules via WLAN/LAN to a home network and the Internet, iOS/Android app, web browser and API interface for integration into local smart home systems, for worldwide access to comprehensive information, automated messages and functions such as regeneration triggering.

Type	QUICKSOFT MEGA 6
Pipe connection	1½"
Nominal flow rate according to DIN EN 14743 and pressure loss 1 bar m³/h	4.0
Nominal flow with hardness reduction from 360 ppm (CaCO₃) to 140 ppm (CaCO₃) m³/h	6.0
Installation length mm	approx. 306
Salt supply tank content kg	150
Salt use for each m³ and hardness reduction from 360 ppm (CaCO₃) to 140 ppm (CaCO₃) kg	0.4
Order number	8203525

Consumables	Order number
JUDO regenerating salt According to DIN EN 973 in tablet form of 25 kg.	8839101

Accessoires	Order number
JUDO Connectivity-Module with WLAN or LAN connection, two modules recommended for QUICKSOFT MEGA 4	2202271
JUDO potential-free signal cable for errors relay, 10 metres	2200717




Type QUICKSOFT MEGA 6



- ✓ **Softened water round the clock.** Dual chamber softening in parallel
- ✓ **Optimal unit hygiene,** stagnation-free, forced flow, automatic disinfection
- ✓ **Signal-Display**
- ✓ **Siphon included**
- ✓ **Optional Connectivity-Modules**
for connection via WLAN or LAN
for worldwide control via app,
web browser or API interface

Installation dimensions see page 92.



CALCIUM VERSUS SODIUM

A winning swap

Water softeners work on the ion exchange principle. This exchanges calcium and magnesium ions with sodium ions. The resin in the units softening chamber is coated with sodium ions. As hard water passes through the chamber, the sodium ions are replaced by calcium out of the incoming water supply on the resin surface. The sodium ions are now in the water supply and the water is softened. Once all the resin in the chamber has been saturated, the softener automatically starts up a regeneration cycle.

The only thing better than softened water is, water softened by JUDO.

You can't tell the quality of water just by its appearance.

With a water softener, however, you can. The PREMIUM range level of JUDO softeners offer a scope of advantages in terms of quality, comfort and hygiene. Being parallel operating duplex units with alternating regeneration, they operate completely stagnation-free.

Advantage: Flexibility

The softener offers an efficient regeneration only when this is actually needed, that's to say only when the total unit capacity has been exhausted. Whilst one chamber is in regeneration, the second chamber is still in operation.

Softened water is therefore available round the clock. Peaks and fluctuations in water consumption are thus covered.

Advantage: Hygiene

The most important pre-requisite for perfect hygiene within a system is keeping it stagnation-free during operation.

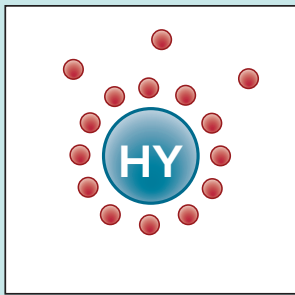
Our softeners go a step further with a disinfection run incorporated in every regeneration cycle.

Advantage: Economy of operation

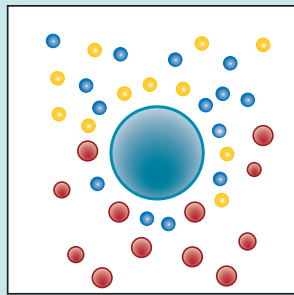
Thanks to its intelligent operating concept, the unit ensures the use of the total softening capacity available.

Precise, volume controlled regeneration cycles ensure that salt consumption and flush water volumes are held at a minimum.

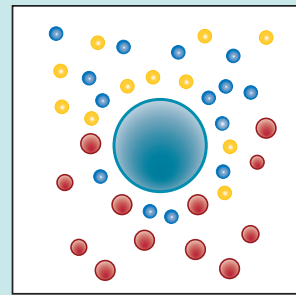
THE ION EXCHANGE PROCESS



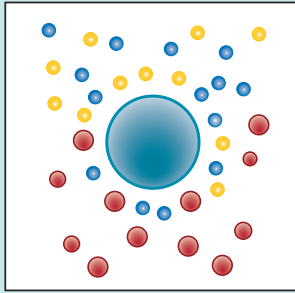
Step 1
Hygienic rinse
before
entering
service.



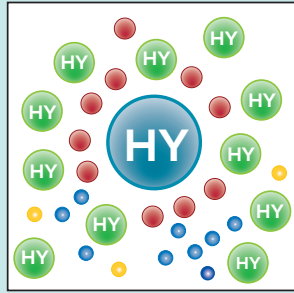
Step 2
Softening
Calcium and
magnesium
ions are
retained
on the resin
replacing
them by
sodium.



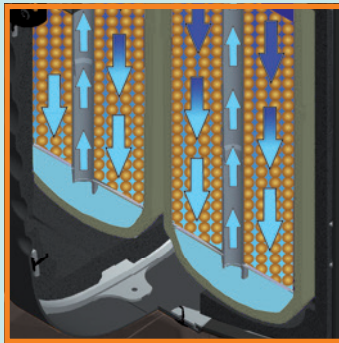
Step 3
Saturation
The resin
is now
saturated
to capacity
with hard-
ening agents
(calcium and
magnesium).



Step 4
Regeneration
Brine feed.
Calcium and
magnesium
ions are
removed by
the brine flow
and flushed
from the
system to be
replaced with
sodium ions.



Step 5
Hygiene
Automatic disinfection
run to protect from
bacterial growth.



Connectivity-Module (Accessory)

Display with membrane
keyboard control

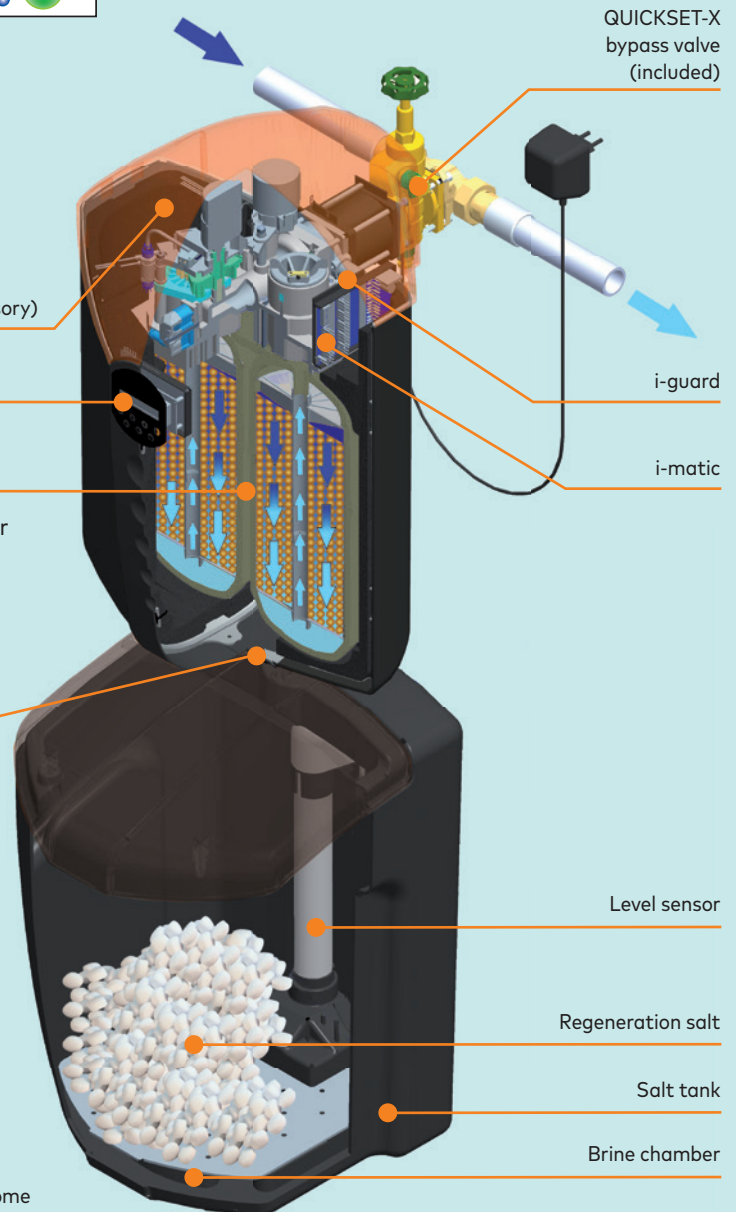
2 parallel working softener
columns



**The Design concept
advantage:**

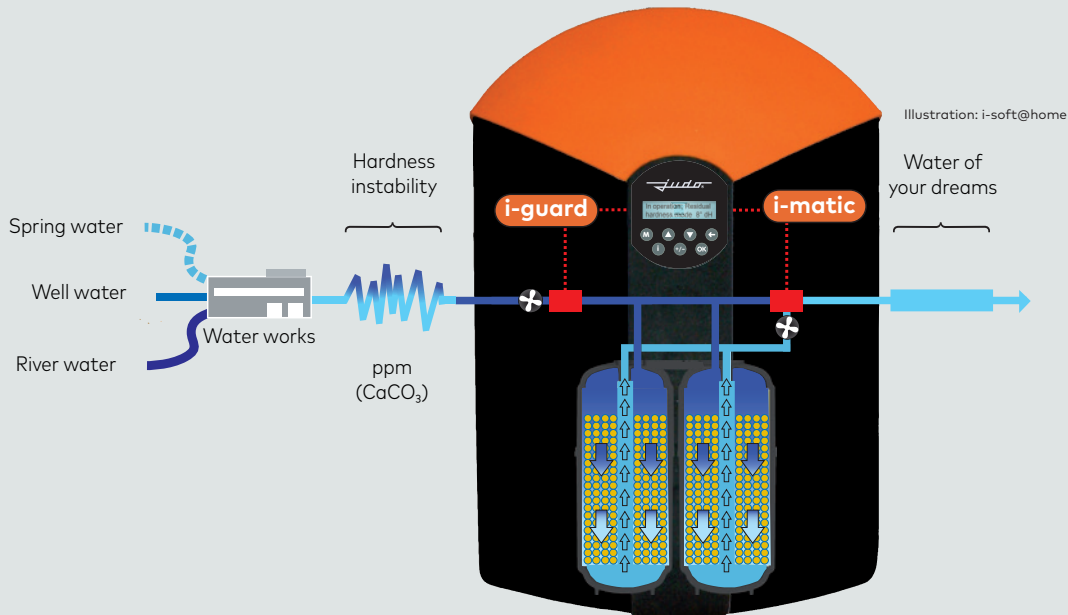
The unit is delivered in
two sections to provide
maximum flexibility in
installation options.

Type:
i-soft@home



SOFT WATER,

without interruption round the clock.



i-guard – the smart quality assurance

The i-guard monitors the supply water quality, fully automatically, and reports it to the i-matic.

The intelligent, self-regulating control

It automatically converts the information received from the i-guard into the required system configuration and thus achieves the desired water quality.

The Perfect Water, consistently

The i-guard consistently guarantees your desired water quality. If the inlet water quality changes, the water softener setting adjusts fully automatically.

All unit functions can be controlled easily and comfortably through membrane keyboard. The signal display uses different colours to show the current operating status of the system.


Unique operating concept – simple and intuitive, anytime, anywhere


JUDO i-soft series water softening systems can be controlled directly from the display. Commissioning is also child's play as it is "plug and play", saving you time and money.




JUDO i-soft@home

Fully automatic water softening unit

 Protects from scale deposits and offers water comfort.

 Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.

 For drinking water up to 30 °C
Operating pressure range 2 - 7 bar



Stagnation-free performance: The parallel operation of the unit ensures a homogeneous flow throughout the system.

Scope of delivery i-soft@home: Unit consisting of fiberglass-reinforced tanks (PN 10), filled with high-quality monospheric ion exchange resin in food grade quality for optimal water distribution and minimization of pressure loss and regeneration agent usage.

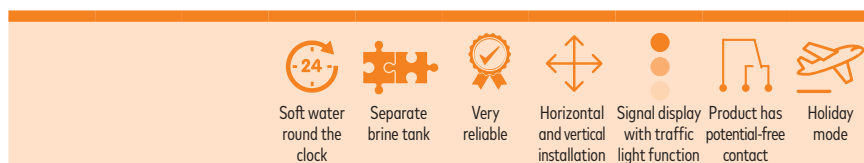
Separate salt solution and supply tank with continuous brine supply and integrated level monitoring. With i-guard sensor in water inlet to determine drinking water quality (one time calibration of raw water hardness), i-matic mixed water control, for constant desired water hardness even with fluctuating input hardnesses. Tried and tested, wear-free ceramic disc technology for lifelong programmed operational sequences. Forced regeneration after 96 hours and unit cleaning through integrated disinfection device with platinum plated titanium electrodes. Controller electronics with membrane keyboard and multi-line LCD display for operation, regeneration, residual hardness, 2-level lack of salt indicator, colour status light display and manual regeneration trigger; including built-in rotary flange with bayonet connection, with screws and assembly cover; including siphon for standard connection to the waste water system in accordance with EN 1717 and DIN 1988-100; plug-in power supply.

Scope of delivery i-soft@home 5: like i-soft@home, but consisting of 2 softener modules, in addition to parallel connection flange JQT 1¼".

Scope of delivery i-soft@home 7.5: like i-soft@home, but consisting of 3 softener modules, in addition to parallel connection flange JQT 1¼". Thanks to its innovative flange technology, the i-soft@home 7.5 enables a particularly space-saving and flexible installation.

Type	i-soft@home	i-soft@home 5	i-soft@home 7.5
Pipe connection	1"	1¼"	1½"
Nominal flow rate according to DIN EN 14743 and pressure loss 1 bar m³/h	2	3.8	5.4
Nominal flow with hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) m³/h	3.3	5.3	7.5
Salt supply tank content kg	50	100	150
Salt use for each m³ and hardness reduction from 360 ppm (CaCO ₃) to 140 ppm (CaCO ₃) kg	0.33	0.33	0.33
Dimensions W x D x H mm	390 x 460 x 1.430	990 x 475 x 1.430	
Order number	8203040	8203041	8203045

Accessories	Order number
JUDO Connectivity-Module with WLAN or LAN connection.	2202271
JUDO floor sensor incl. connection cable, 2 metres	8203554
Each additional floor sensor (max. 9 pieces): JUDO floor sensor incl. connection cable 2 metres and branch connector.	8203556



Type i-soft@home

- ✓ **Quality assured**
made in Germany
- ✓ **Measures and regulates,**
automatically recognises fluctuations in incoming hardness and adjusts for optimal performance, unique worldwide
- ✓ **Softened water round the clock.** Dual chamber softening in parallel
- ✓ **Optimal unit hygiene,**
stagnation-free, forced flow, automatic disinfection
- ✓ **Optional Connectivity-Modules**
for connection via WLAN or LAN for worldwide control via app, web browser or API interface
- ✓ **Siphon included**



QUICKSET-X bypass valve (JQX) included

Installation dimensions see page 93.



SOFT WATER WHEN YOU WANT IT.

JUDO Bioquell®-SOFT as a single chamber unit

These are single chamber, flow controlled units, whereby water is softened in one ion exchange column. When a regeneration is required, untreated water bypasses the unit. Once the regeneration cycle is completed, raw water is again automatically fed into the softening chamber for treatment.

All units are stagnation-free and offer hygienic operation thanks to a disinfection process both during the regeneration cycle and automatically after 96 hours with no water flow.

Softened drinking water for a better quality of life.

Anyone who has ever taken a bath in soft water knows the incomparably gentle feeling on the skin. Soft, fluffy laundry as well as saving cleaning time, soft water further enhances your wellbeing.

JUDO softening units offer all of this and more, setting new standards in domestic water treatment.

JUDO Bioquell®-SOFT AS A SINGLE CHAMBER UNIT.

For better accessibility during installation or maintenance, the salt container can be moved away from the pressure tank. This saves time and resources, and improves handling in tight spaces.

Large display for easy data monitoring,
e.g. residual capacity

Large opening for salt filling

Simple removal cabinet
for easy maintenance

Robust salt and
brine container

Integrated blending valve

Control valve with efficient
upflow regeneration

Ion exchange resin





Type Bioquell®-SOFT 15




Type Bioquell®-SOFT 40


- ✓ Reduces annoying scale build up
- ✓ Automatic, flow controlled regeneration
- ✓ Large opening for salt filling
- ✓ Low salt consumption
- ✓ SOFT models 15 - 40 fit under kitchen counter

Installation dimensions see page 94.

JUDO Bioquell®-SOFT 15 - 40

Water softening unit

 Protects from scale deposits and offers water comfort.

 For drinking water up to 40 °C
Operating pressure range 1.5 - 8 bar

Scope of delivery: Casing with integrated fiberglass-reinforced container filled with monospheric ion exchange resin in food quality for optimal water distribution and reduction of pressure loss and regeneration agent use. Integrated salt and brine container with ongoing brine production, for use with block and tablet salt. Integrated blending valve. Electronic control unit with keyboard and LED-display for operation, regeneration, holiday mode, status monitoring and manual backwash start-up. Automatic regeneration when in operation for at least 96 hours. Removable covers for easy maintenance.


Type	Bioquell®-SOFT 15	Bioquell®-SOFT 40
Pipe connection	¾"	¾"
Flow rate m³/h	0.75	1.5
Capacity at optimal operation ppm CaCO ₃	270	710
Salt consumption per regeneration at optimal operation kg	0.6	1.9
Capacity in economy mode ppm CaCO ₃	180	500
Salt consumption per regeneration in economy mode kg	0.3	1.0
Salt storage capacity kg	14	22
Operating pressure bar	1.5 - 8	1.5 - 8
Max. water temperature °C	40	40
Dimensions W x D x H mm	287 x 444 x 545	404 x 452 x 600
Order number	8200375	8200377


Accessories	Order number
Bioquell disinfection device Based on the NaCl electrolysis process, for Bioquell®SOFT softeners	2202018
Bypass valve For installation between pipe connector and Bioquell® SOFT / CLEAR	2202015

							
Made in Germany	Stable plastic housing	Proven quality	Especially hygienic	Resin in food grade quality	Cost-saving	Very reliable	Holiday mode

JUDO Bioquell®-SOFT 65 - 100

Water softening unit

 Protects from scale deposits and offers water comfort.

 For drinking water up to 40 °C
Operating pressure range 1.5 - 8 bar

Scope of delivery: Casing with integrated fiberglass-reinforced container filled with monospheric ion exchange resin in food quality for optimal water distribution and reduction of pressure loss and regeneration agent use. Integrated salt and brine container with ongoing brine production, for use with block and tablet salt. Integrated blending valve. Electronic control unit with keyboard and LED-display for operation, regeneration, holiday mode, status monitoring and manual backwash start-up. Automatic regeneration when in operation for at least 96 hours. Removable covers for easy maintenance.

Type	Bioquell®-SOFT 65	Bioquell®-SOFT 100
Pipe connection	1"	1"
Flow rate m³/h	2	2.5
Capacity at optimal operation ppm CaCO ₃	1.157	1.780
Salt consumption per regeneration at optimal operation kg	3.2	4.8
Capacity in economy mode ppm CaCO ₃	801	1.246
Salt consumption per regeneration in economy mode kg	1.6	2.4
Operating pressure bar	1.5 - 8	1.5 - 8
Max. water temperature °C	40	40
Dimensions W x D x H mm	404 x 453 x 1.200	404 x 453 x 1.200
Order number	8200378	8200379

Accessories	Order number
Bioquell disinfection device Based on the NaCl electrolysis process, for Bioquell®SOFT softeners	2202018
Bypass valve For installation between pipe connector and Bioquell® SOFT / CLEAR	2202015

							
Made in Germany	Stable plastic housing	Proven quality	Especially hygienic	Resin in food grade quality	Cost-saving	Very reliable	Holiday mode



Type Bioquell®-SOFT 65

- ✓ Reduces annoying scale build up
- ✓ Automatic, flow controlled regeneration
- ✓ Large opening for salt filling
- ✓ Low salt consumption

Installation dimensions see page 94.



WITHOUT ANY CHEMICALS

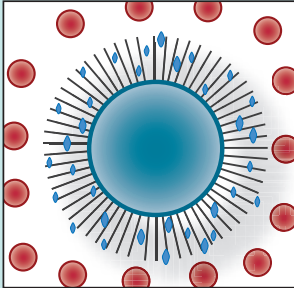
Stabilising limestone through natural processes

Limestone is found dissolved in drinking water in the form of calcium ions and hydrogen carbonate. Lime scale present in the water supply will tend to deposit in pipes and water heaters. To better control this problem, JUDO also offers an alternative process to traditional water softeners. The stabilisation process means that, compared to regular softeners, dissolved limescale remains in the water supply. It is not physically removed but is bound in small crystals and is therefore no longer deposited on the surface. And this without any addition of chemical substances. To achieve this, an electrolytic crystal generator forms microscopic crystals from the water. Excess of limestone is preferentially deposited on these crystals. In the next step, the crystals are selected by a special process so that only crystals of optimal size are introduced into the domestic water system. In the last step, the crystal generator is automatically cleaned and rinsed. The excess of lime scale is flushed out. The unit thus stabilises the water hardness in an intelligent and natural way, while preserving natural resources.

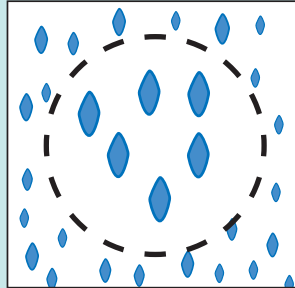
THE STABILISATION PROCESS.

JUDO's BIOSTAT technology uses a unique process developed by JUDO to inhibit scale build up without the need to dose or add chemical products. A crystal generation unit uses the calcium in solution to produce miniature crystals which then join together and bunch.

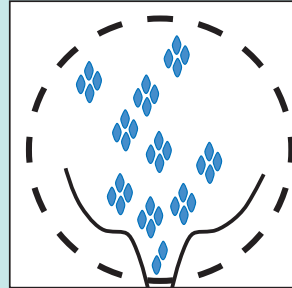
This process allows the calcium crystals to remain in suspension in the water supply where they are carried through the system avoiding the danger of deposits in pipes and fittings.



Phase 1:
The patented nanocrystals generation unit forms microscopic crystals.



Phase 2:
Only suitably sized crystals are carried through the installation and this is ensured using a special process. Calcium carbonate contained in the water agglomerates on the nanocrystals and not inside of pipes or heat exchangers.



Phase 3:
The nanocrystals generation unit is cleaned and rinsed automatically. Excess calcium is flushed out of the unit with the rinse water. This process is carried out with no interruption to the water supply.

What happens with the residual calcium carbonate in the treatment chamber?

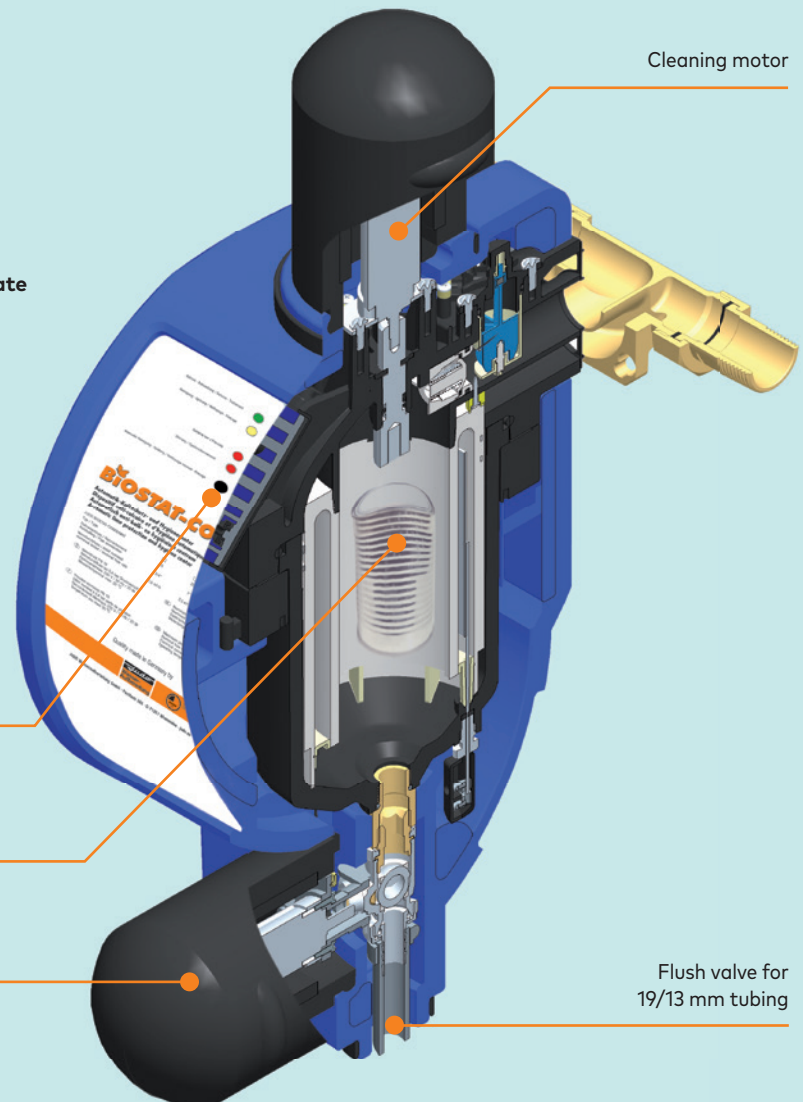
Residual particles are automatically flushed out of the unit during rinsing. Levels of scale retention and unit hygiene are adapted automatically to meet with incoming water quality levels.

The advantages: no dosing, no chemicals. The unit is fitted with a flow meter and microprocessor control which monitors and adapts the treatment levels.

Manual clean up start button

Crystal generation unit

Rinse drive motor



Cleaning motor

Flush valve for 19/13 mm tubing

JUDO BIostat-COMBIMAT BST-CA 15 - 25

Limescale protection



Effectively protects your system from scale build up.



Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.



For drinking water up to 30 °C
Operating pressure range 1.5 - 8 bar



Type BST-CA



- ✓ **Quality assured**
made in Germany
- ✓ **Treatment unit change**
only every 3 years or
400 m³ of water used
- ✓ **Space saving** thanks to
compact design
- ✓ **Low power consumption**
- ✓ **Scale inhibition**
using the proven BIostat
process (DVGW approved)
- ✓ **Ease of installation**
thanks to QUICKSET-E
pipe connector

Type	BST-CA 15	BST-CA 25
Pipe connection	¾"	1"
Flow rate m ³ /h	1.5	2.5
Max. number of residential units	1	2
Pressure loss at nominal flow rate bar	0.4	0.4
Min./max. operating pressure bar	1.5 / 8	1.5 / 8
Installation length mm	180	195
Max. water temperature °C	30	30
Dimensions W x D x H mm	230 x 320 x 550	230 x 320 x 550
Order number	8210411	8210412



Made in Germany



Proven quality



Especially hygienic



LED display



Cost-saving



Very reliable



Horizontal and vertical installation



Product has potential-free contact



Safety module ensure end of cycle in case of power

Proven efficiency

The technical efficiency of the BIostat has been tested and confirmed by independent certification bodies.

In Germany, scale protection units are tested according to work sheet DVGW W 510 and are certified by the DVGW.



With scale protection



Without scale protection

Installation dimensions see page 94.

* Operation according to DVGW W 510



JULDOS DOSING SYSTEMS: SAFE PROTECTION

against limescale and corrosion

Persistent white deposits in the shower, a heavily scaled water heater. These signs indicate that we are looking at a hard water supply. What you do not see, however, are the internally clogged pipes and heat exchangers as well as the ongoing formation of rust or corrosion. These are triggered by various factors: unfavourable mix in materials in the system, certain constituents in the water that react with the materials in the pipe impurities that are carried into the pipe. And oxygen. This is mainly the case for installations made of copper and galvanised steel pipes.

The remedy is a mineral solution.

The JULDOS dosing pump adds a precisely calculated dosage of product into the water supply, thus ensuring the build-up of a solid protective layer, which reliably protects the material from corrosion attack. Other mineral solutions JUL or JUDO stabilise the hardness of the water. This prevents the build-up of lime scale deposits in pipes and appliances. By balancing the lime scale with the minerals, the JULDOS dosing pump also helps to prevent the growth of dangerous bacteria.

Reliable, robust and safe

The electronic control of the JULDOS dosing pump ensures that dosing levels remains constant and defined in accordance with actual water consumption requirements, even at lower water consumption levels. The dosing intervals are particularly short and precisely timed to ensure a perfect and uniform distribution of the mineral solution within the system.

The JULDOS dosing pump is equipped with a robust synchronous motor, which has proven its stability hundreds of thousands of times in practice. Even an endurance test with 100 million litres of water validated its robustness without any problems. The integrated control unit of the JULDOS dosing pump automatically monitors all operating processes and switches the device off in the event of a malfunction. A dry-running protection prevents damage if the tank is empty.

Corrosion protection is mandatory

Corrosion protection has a high priority in many local laws, regulations and standards. Drinking water installation systems, fittings, appliances and water heaters need to be protected. Human health is even more important.

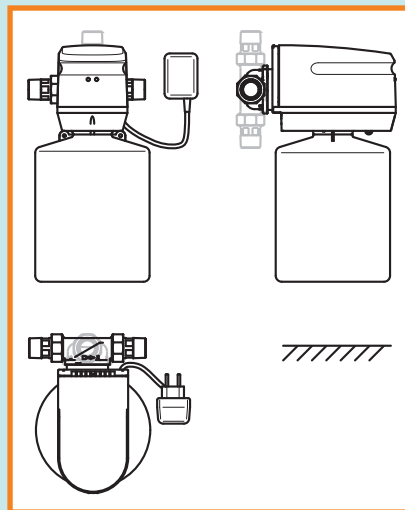
Therefore, the hygiene guidelines also require clean, particle-free clean piping systems, free of corrosion particles.



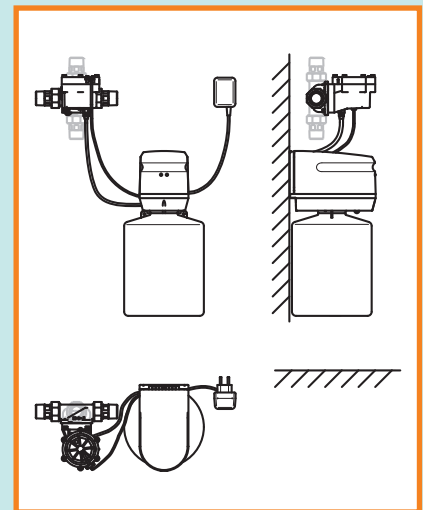
JULDOS DOSING SYSTEMS

Advantage: Flexibility

JULDOS dosing systems can be installed in two ways. Either directly onto the pipe itself or by means of a separate wall mounting (JJD 4 only).



Fixed installation



External installation

Advantage: Long working life

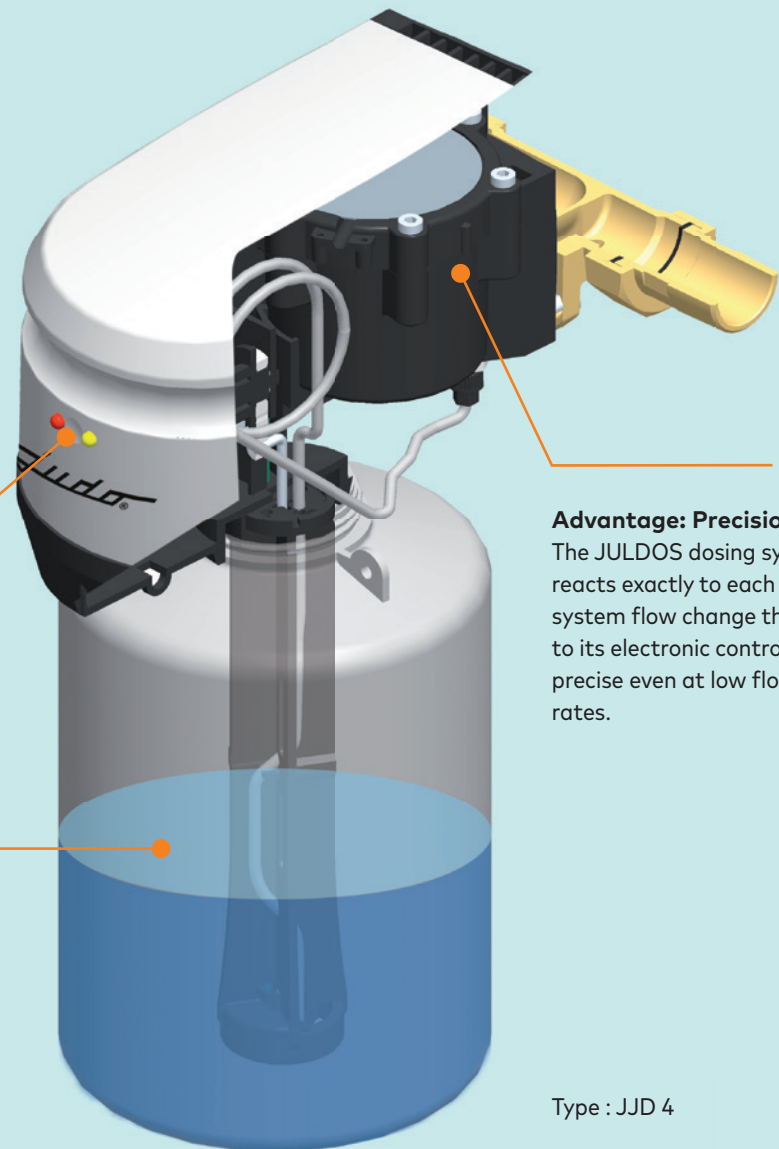
Efficiency of the JULDOS dosing system has been proven in longevity testing with flow volumes of 100 million liters of treated water.

Advantage: Safety

Units are fitted with integrated control systems monitoring performance, shutting the system down should an error arise.



JUDO's JUL mineral solutions make it possible to put a stop to the corrosion process. Depending on the type of piping material used, different combinations of minerals are injected into the water supply through the JULDOS dosing system to build up a highly efficient protective film on the pipes. Other JUDO JUL solutions can be dosed in to stabilize the carbonate hardness in solution preventing a build up of scale deposits on pipework and fittings.




Advantage: Precision

The JULDOS dosing system reacts exactly to each system flow change thanks to its electronic control unit, precise even at low flow rates.


Type : JJD 4


JULDOS 4 - 25

Dosing unit

 For the precise dosing of JUDO mineral solutions for the treatment of drinking water to avoid and inhibit the build up of scale and corrosion in cold and warm water supply lines. For installation in cold water lines up to 30 °C.










 Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.

 For drinking water up to 30 °C
Operating pressure max. 8 bar

Scope of delivery: Self-venting piston dosing pump (PN 10) with wear-free electrical synchronous motor drive, with electronic proportional control via water counter with hall sensor, function and fault indicator, empty tank signal by light diode and buzzer, dry-run protection, integrated injection point and dosing hose. Built-in rotary flange with bayonet connection with screw and assembly cover, threaded connector in accordance with EN 10226-1. Output for potential-free empty signal (signal transfer cable required), including plug-in power supply.

Type	JJD 4 **	JJD 10	JJD 25
Working range in accordance with EN 14812 and DIN 19635-100 lower / upper working range m³/h	0.06 - 4	0.08 - 10.2	0.08 - 24
Suitable for a max. water consumption of m³/month *	60	200	400
Recommended residential units (Bathrooms)	1 - 6	5 - 10	10 - 20
Pipe connection	1"	1¼"	1½"
Max. counter pressure bar	8	8	8
Max. operating pressure bar	8	8	8
Pressure loss at upper working range bar	0.8	0.8	0.8
Contents of dosing tank litres	6	25	25
Treated water quantity per dosing tank m³ of water	48 - 80	200 - 330	200 - 330
Installation length mm	195	230	252
Order number	8309075	8309076	8309077

						
Made in Germany	Stable plastic housing	Proven quality	LED display	Very reliable	Horizontal and vertical installation	The product is prepared for a potential-free contact

JUL-W-Tabs

Area of application: Primarily as corrosion protection for galvanised pipes and copper pipes (professional advice required) in hardness range 1 + 2 as well as after softener units.

Type	JUL-W-T	JUL-W-T
Cardboard tube for dosing agent, litre	6	25
Order number	8600018	8600011

JUL-H-Tabs

Area of application: Primarily as anti-scalant for all pipe materials in hardness range 2 + 3

Type	JUL-H-T	JUL-H-T
Cardboard tube for dosing agent, litre	6	25
Order number	8600020	8600008

Accessories	Order number
JUDO dissolving device for the preparation of mineral solutions	8130100

* If there are no consumption data, water consumption of 10 m³ per month and per residential unit can be assumed.
Water consumption of a person is at 3.5 - 7 m³ per month depending on the design of the house.
** Supplied with empty tank



Type JJD 4



- ✓ **Quality assured**
made in Germany
- ✓ **Corrosion protection**
via build up of protective film
- ✓ **Descaling**
with hardness stabilisation

Installation dimensions see page 95.



Type JUL-W-Tabs



Type JUL-H-Tabs



JUDO Bioquell®-PURE

JUDO Bioquell®-PURE has been designed specifically for easy use and peace of mind. The compact system can be easily installed and offers a reliable supply of clean, clear and odourless drinking water. As a flow-through system,

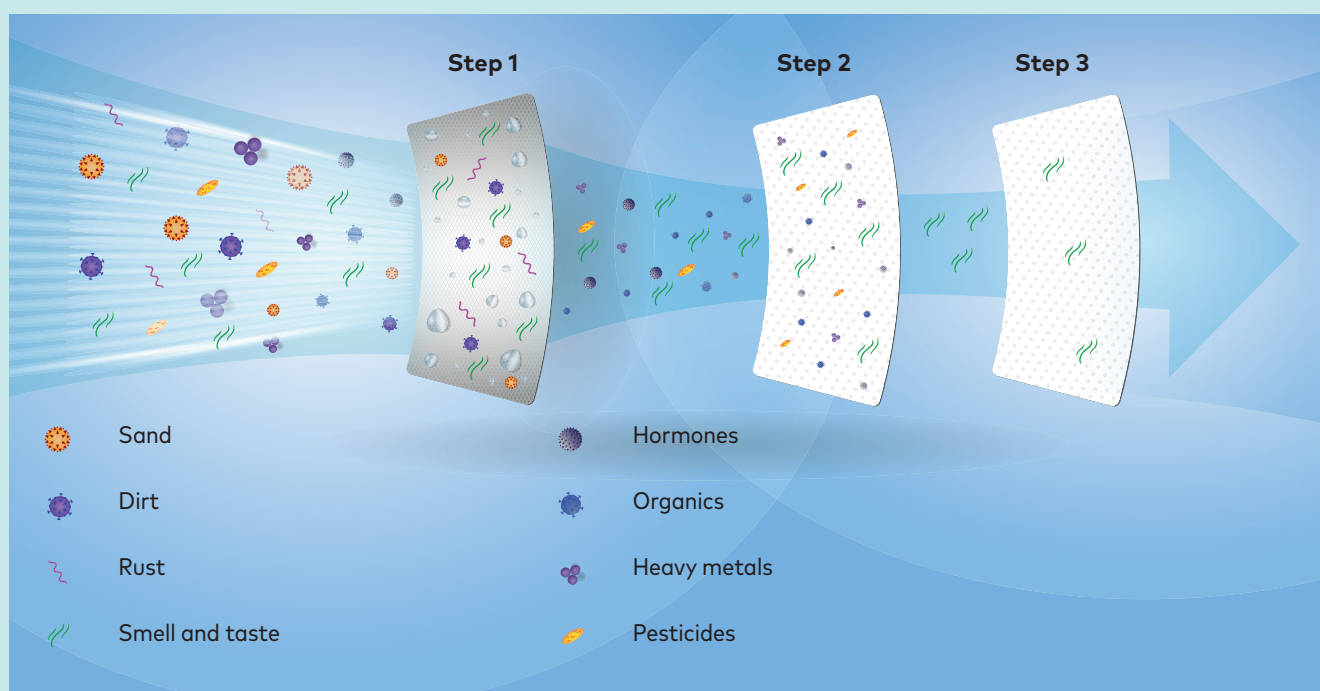
no additional storage tank is required thus saving space and reducing the risk of stagnation. Cartridge change is especially easy thanks to a cartridge clip system and an internal layout for easy access to all replaceable parts.



PURIFICATION PROCESS

The first stage is a dual cartridge made of polypropylene and activated carbon. This filtration stage eliminates all particles (e.g. sand, dirt, rust) and removes residual chlorine, the cause of bad taste and smell.

The RO membrane, as a second stage, removes traces of hormones, pesticides, organics, microorganisms and heavy metals (e.g. Cadmium, Arsenic, Lead and Chromium). The result is pure water for you to enjoy.



JUDO Bioquell®-PURE

Undersink reverse osmosis



Pure water for the richest taste of cooked food and beverages.



For drinking water up to 30 °C

Scope of delivery: Ready to use reverse osmosis system with high levels of pure water generation in a compact design, integrated booster pump for pure water generation, two filter cartridges in polypropylene and activated carbon in block form, high grade R/O membrane and post-filtration cartridge. Leakage sensor with alarm, automatic, time controlled safety shut off feature, automatic, hygienic rinse feature. LED display indicating incoming water hardness and residual cartridge capacity, audio and optical reminder for cartridge change. 2 way tap for filtered and desalinated water included.

Type	Bioquell®-PURE
Pipe connection	3/8" F
Flow rate l/h	75 **
Total cartridge capacity litres	4.000 *
Average cartridge exchange time, months	6 - 24 *
Salt rejection	> 95% **
Feed pressure min. / max. bar	1 / 4
Max. water temperature °C	30
Power supply V/Hz	100-230 V / 50/60 Hz
Dimensions W x D x H mm	375 x 142 x 439
Order number	8200390

Accessories	Order number
JUDO RO membrane cartridge	2470115
JUDO Dual filter cartridge	2470116
JUDO Post-filter cartridge	2470119

Stable plastic housing	Proven quality	Especially hygienic	Automatic and manual flush	Very reliable	POU



* depending on water quality
 ** depending on feed water temperature and quality



Type Bioquell®-PURE

- ✓ Compact undersink RO system, slim design
- ✓ Hygienic, stagnation free operation
- ✓ Quick lock for easy filter replacement
- ✓ Eliminates unpleasant water smell and taste
- ✓ Cleans without chemical additives
- ✓ Quick and easy assembly, installation under the sink or basin

HEATING WATER

should only transport one thing: Heat

Heating boilers are becoming more and more compact and efficient. Today's heat exchangers, however, also have much higher requirements on water quality. Today's heating system fill up has become almost a science in its own right. Regulations place one set of demands on water quality and then these are overridden with higher demands by the manufacturers of boilers and heat exchangers. All this does not make life easy for the plumber doing the installation. Good to know that JUDO has a range of heating water treatment products to meet all quality demands.

Requirements

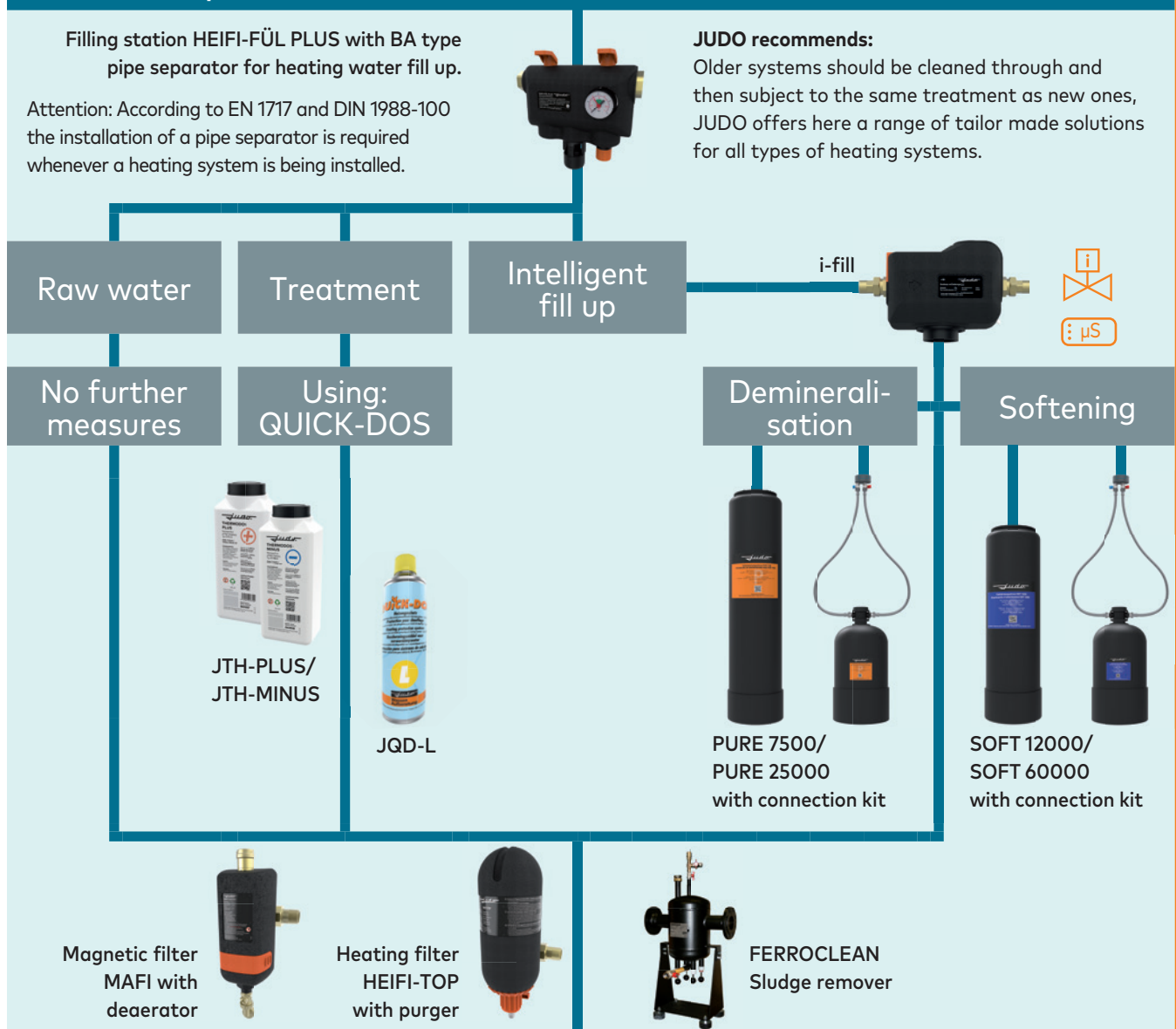
Manufacturers' water quality requirements Compliance to the norms VDI 2035, EN 1717 and DIN 1988 -100:

Filling station HEIFI-FÜL PLUS with BA type pipe separator for heating water fill up.

Attention: According to EN 1717 and DIN 1988-100 the installation of a pipe separator is required whenever a heating system is being installed.

JUDO recommends:

Older systems should be cleaned through and then subject to the same treatment as new ones, JUDO offers here a range of tailor made solutions for all types of heating systems.



Energy savings, security and a long working life for your heating system thanks to water treated by JUDO equipment.

- Integrated conductivity sensor, membrane keyboard and digital display
- Automatic top up and automatic shut off when cartridge capacity is reached

Result

JUDO HEIFI-FÜL PLUS

Filling valve with integrated pipe separator and pressure regulator



Integrated pipe separator, type BA, offers security up to liquid category 4.
Integrated pressure regulator ensures constant systems pressure stability.



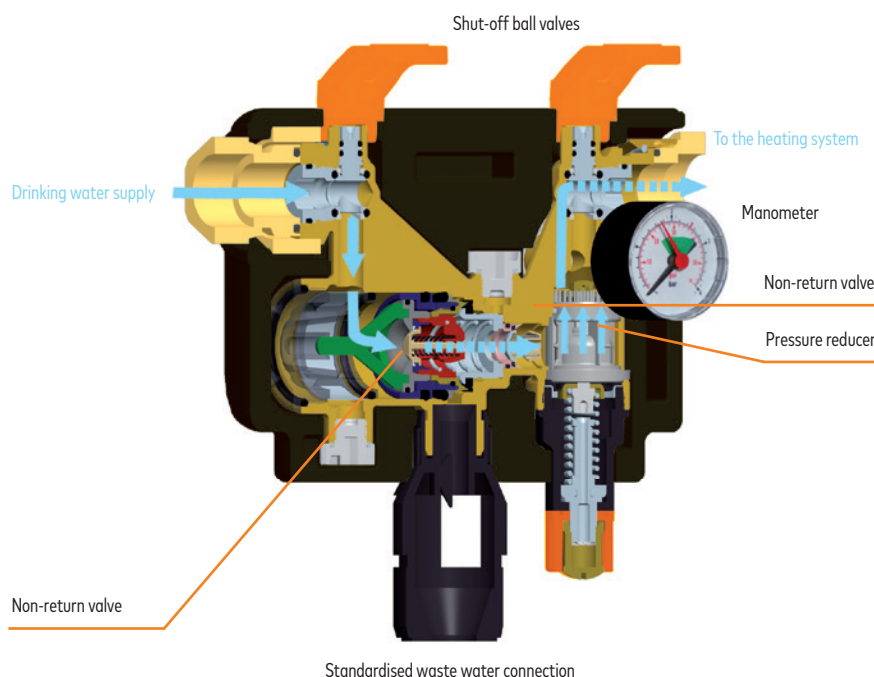
For water up to 65 °C
Max. operating pressure 10 bar

Scope of delivery: Top up station for heating water feed to EN 1717. Safety pipe separator type BA allows for a fixed installation from the main water supply to the heating system. Reduces oxygen entry and the integrated pressure regulator ensures a constant pressure level in the infeed system as well as for automatic top up by pressure loss. HEIFI-FÜL PLUS top up systems consists of: two shut off valves (entry and exit), pressure regulator and a type BA pipe separator.

Type	JHF-F PLUS
Pipe connection	¾"
Max. filling capacity l/h	approx. 800
Max. operating pressure bar	10
Max. operating temperature °C	65
Max. heating water temperature °C	90
Installation length mm	202
Order number	8060080

There should be more than just an "and" between the heating system and the drinking water network.

According to the Drinking Water Ordinance, EN 1717 and DIN 1988-100, unsecured connection of the heating circuit to the drinking water network is not permitted. Heating water must be separated from the drinking water installation by a safety device to prevent contaminated water from flowing back. With the JUDO HEIFI-FÜL PLUS filling fitting, filling and refilling is not only safe and compliant with standards, but also particularly convenient.



Type JHF-F PLUS



- ✓ **Safety included**
protects drinking water from non-potable water up to liquid category 4
- ✓ **BA system separator**
- ✓ **Correct and constant filling pressure**
through integrated pressure reducer, adjustable between 0.75 and 5 bar
- ✓ **Easy and quick installation**
due to integrated shut-offs on the inlet and outlet side via ball valve
- ✓ **Compact**
- ✓ **Easy to maintain**
due to integrated test ports and shut-offs on the inlet and outlet side
- ✓ **Resource-saving**
due to insulation

Installation dimensions see page 95.

JUDO HEIFI Filling system PURE

Desalination unit



Type JHFB-P (Scope of delivery without cartridge)

- ✓ **Standard-compliant heating water quality** with desalinated water
- ✓ **Safe**
Capacity monitoring via flow measurement and conductivity probe, signal via potential-free contact if cartridge capacity is exceeded
- ✓ **Everything in view**
Programmable LCD display with capacity and conductivity indication
- ✓ **Practical**
Integrated ironing water tapping point



Display HEIFI Filling system PURE

Installation dimensions see page 96.

- + Fixed installation unit for desalination of heating systems filling and top up water.
With monitoring of the capacities of JUDO PURE desalination cartridges.



- For water up to 30 °C
Max. operating pressure 6 bar

Scope of delivery: Innovative casing for installation in horizontally running pipes, high grade plastic with EPP insulation, container connection below with external thread for JUDO PURE desalination cartridge or JUDO adaptor for floor standing cartridges. Integrated water meter monitors filling and top-up water volumes, sensor to monitor conductivity in treated water. LCD display shows remaining capacity, treated water conductivity and warning at low levels, connection for external reporting via relay, power supply using 2 micro-batteries 1.5 V (AAA), outlet shut-off valve and testing valve. All materials suitable for use with desalinated water.

Cartridges (PURE) to be ordered separately!
Matching cartridges see page 72.

Please read manufacturer's notes!

Type	JHFB-P
Pipe connection (screw connection with AG)	¾"
Max. filling capacity l/h	300
Max. operating pressure bar	6
Max. operating temperature °C	30
Installation length (with screw connection) mm	351
Installation depth (centre pipe) mm	75
Total height (without cartridge) mm	191
Order number	8068536

JUDO HEIFI Filling system SOFT

Softening unit



Fixed installation unit for softening of heating systems filling and top up water. With monitoring of the capacities of JUDO SOFT softening cartridges.



For water up to 30 °C
Max. operating pressure 6 bar

Scope of delivery: Innovative casing for installation in horizontally running pipes, high grade plastic with EPP insulation, container connection below with external thread for JUDO SOFT softening cartridge or JUDO adaptor for floor standing cartridges. Integrated water meter monitors filling and top-up water volumes, sensor to monitor conductivity in treated water. LCD display shows remaining capacity, treated water conductivity and warning at low levels, connection for external reporting via relay, power supply using 2 micro-batteries 1.5 V (AAA), outlet shut-off valve and testing valve. All materials suitable for use with fully softened water.

Cartridges (SOFT) to be ordered separately!
Matching cartridges see page 72.

Please read manufacturer's notes!

Type	JHFB-S
Pipe connection (screw connection with AG)	¾"
Max. filling capacity l/h	300
Max. operating pressure bar	6
Max. operating temperature °C	30
Installation length (with screw connection) mm	351
Installation depth (centre pipe) mm	75
Total height (without cartridge) mm	191
Order number	8068535

Analytics	Order number
JUDO Total hardness measuring set JGHP For the determination of total hardness.	8742120



Type JHFB-S (Scope of delivery without cartridge)

- ✓ **Standard-compliant heating water quality**
with softened water
- ✓ **Safe**
Capacity monitoring via flow measurement and conductivity probe, signal via potential-free contact if cartridge capacity is exceeded
- ✓ **Everything in view**
Programmable LCD display with capacity and conductivity indication
- ✓ **Practical**
Integrated ironing water tapping point



Display HEIFI Filling system SOFT

Installation dimensions see page 97.

JUDO PURE 7500 PURE 25000

Desalination cartridges

Cartridges for complete desalination of the filling and supplementary water of heating systems.



Type
PURE 7500



Type PURE 25000
with Connection kit

Disposable desalination unit PURE 7500 suitable for JUDO i-fill, JUDO i-fill plus and JUDO HEIFI Filling system PURE	Order number
JUDO Disposable desalination cartridge PURE 7500 Disposable replacement cartridge in reinforced synthetic material filled with high grade ion exchange resin, capacity 7.500 l x °dH, capacity at 20 °dH * approx. 375 litres.	8068019

Desalination unit PURE 25000 suitable for JUDO i-fill, JUDO i-fill plus and JUDO HEIFI Filling system PURE	Order number
JUDO Connection kit for JUDO PURE and SOFT cartridges with 2½" opening Consisting of: Adapter, pressure resistant tubing and shut off valves.	8068532
JUDO Desalination cartridge PURE 25000 Replacement cartridge in reinforced synthetic material, filled with layers of high grade mixed exchange resin, capacity 25.000 l x °dH, capacity at 20 °dH * approx. 1.250 litres.	8068531
JUDO Mixed bed ion exchange resin For the immediate refill of mixed bed cartridge, packed in sacks of 25 litres.	8545016

JUDO SOFT 12000 SOFT 60000

Softening cartridges

Cartridges for complete softening of the filling and supplementary water of heating systems.



Type
SOFT 12000



Type SOFT 60000
with Connection kit

Disposable softening unit SOFT 12000 suitable for JUDO i-fill, JUDO i-fill plus and JUDO HEIFI Filling system SOFT	Order number
JUDO Disposable softening cartridge SOFT 12000 Replacement cartridge in reinforced synthetic material filled with high grade cationic exchange resin, capacity 12.000 l x °dH, capacity at 20 °dH to < 0.5 °dH approx. 600 litres.	8068018

SOFT 60000 softening unit suitable for JUDO i-fill, JUDO i-fill plus and JUDO HEIFI Filling system SOFT	Order number
JUDO Connection kit for JUDO PURE and SOFT cartridges with 2½" opening Consisting of: Adapter, pressure resistant tubing and shut off valves.	8068532
JUDO Softening cartridge SOFT 60000 Replacement cartridge in reinforced synthetic material filled with high grade cationic exchange resin, capacity 60.000 l x °dH, capacity at 20 °dH to < 0.5 °dH approx. 3.000 litres.	8068530
JUDO Cationic exchange resin For the immediate refill of cationic exchange resin in polystyrene with high levels of sulfonic acid, packed in sacks of 25 litres.	8731020

* The total hardness of the untreated raw water serves as the basis for calculation. Specification of the capacity up to 100 µS/cm.



CLEANING, STABILISATION, PROTECTION

Where a dosing solution is the solution.

JUDO Dosing solution for heating water conditioning covers a wide range of applications: hardness stabilisation, pipe protective lining, systems cleaning and pH balance functions.

What do all of these have in common? They all play a part in prolonging system's operation life avoiding damages and ensuring optimal energy consumption.

JUDO QUICK-DOS R and THERMODOS R

Cleaning solution



For a gentle cleaning of heating and warm water systems.



Type JQD-R



Type JTH-R, 25 litres Container size

- ✓ **Cleans gently**
Gentle cleaning without material attack
- ✓ **Uncomplicated**
Quick and easy application with QUICK-DOS R
- ✓ **Flexible**
Container sizes for each System content

JUDO QUICK-DOS R

Quick and easy addition of JUDO QUICK-DOS R with the practical 400 ml can. Dosing into the system using the JUDO QUICK-AN adapter.

JUDO THERMODOS R

For gentle cleaning of older hot water heating circuits. Addition of approx. 1 l per 200 l system content.

Note:

Heating system needs to be thoroughly flushed out approx. 4 weeks after dosing with JUDO QUICK-DOS R or JUDO THERMODOS R. Repeated cleaning runs with JUDO QUICK-DOS R or JUDO THERMODOS R may be required. After cleaning, the system is refilled with addition of JUDO QUICK-DOS L or JUDO THERMODOS L.

Type	JQD-R
400 ml can for a system volume of, litres *	approx. 80
Transport unit	9 x 400 ml
Order number	8838186

Type	JTH-R	JTH-R	JTH-R
Container size litres	1	5	25
Transport unit	8 x 1 l	1 x 5 l	1 x 25 l
Order number	8650010	8838178	8838176

Accessories	Order number
JUDO Adapter with internal thread 3/4" JQD-AN For connection to a fill valve for filling the system with JUDO QUICK-DOS (shipping unit 5 pieces).	8838188
JUDO THERMODOS dosing unit JTH-D For simple and safe addition of THERMODOS dosing solutions. Consisting of: 5 l stainless steel container, pressure-resistant up to 6 bar, german TÜV-tested with pressure pump, safety valve, combined shut-off valve, connecting hose with 1/2" union nut.	8125501

Documentation	Order number
JUDO Boiler water logbook For recording the measured values.	8690063

* 1 kW corresponds to approx. 15 - 20 l system content.

JUDO QUICK-DOS L and THERMODOS L

Anodic corrosion inhibitor



Anodic corrosion inhibitor,
also stabilises pH values.

JUDO QUICK-DOS L

Quick and easy conditioning with JUDO QUICK-DOS L in the practical 400 ml can.
Dosing into the system using the JUDO QUICK-AN adapter.

JUDO THERMODOS L

For heating water conditioning, hardness stabilising, dispersing and protective film forming.
Addition of approx. 1 l per 200 l system content.

Note:

Please ensure a minimum concentration of 150 mg/l molybdate is achieved (measuring unit JTH-ML).

Type	JQD-L
400 ml can for a system volume of, litres *	approx. 80
Transport unit	9 x 400 ml
Order number	8838185

Type	JTH-L	JTH-L	JTH-L
Container size litres	1	5	25
Transport unit	8 x 1 l	1 x 5 l	1 x 25 l
Order number	8650011	8838180	8838175

Accessories	Order number
JUDO Adapter with internal thread 3/4" JQD-AN For connection to a fill valve for filling the system with JUDO QUICK-DOS (shipping unit 5 pieces).	8838188
JUDO THERMODOS dosing unit JTH-D For simple and safe addition of THERMODOS dosing solutions. Consisting of: 5 l stainless steel container, pressure-resistant up to 6 bar, german TÜV-tested with pressure pump, safety valve, combined shut-off valve, connecting hose with 1/2" union nut.	8125501

Analytics	Order number
JUDO JTH-ML Measuring set Suitable for JQD-L, JTH-L and JKL 40. Required molybdate content at least 150 mg/l. Measurements approx. 30 pieces.	8742170

Documentation	Order number
JUDO Boiler water logbook For recording the measured values.	8690063

* 1 kW corresponds to approx. 15 - 20 l system content.



Type JQD-L



Type JTH-L, 25 litres Container size

- ✓ **Protects**
Corrosion protection even in the presence of dissolved oxygen
- ✓ **Ongoing efficiency**
Long term conditioning, hardness stabilisation, dispersion and build-up of a protective film to inhibit corrosion
- ✓ **Uncomplicated**
Quick and easy application with QUICK-DOS L
- ✓ **Flexible**
Container sizes for each system content



DIRT PARTICLES


The other thing we don't want


Air, muck, sand and rust particles are a threat to any heating system. They can lead to damage to the boiler, throbbing radiators and unreasonably high energy consumption.


For this very reason, many countries require the installation of a filter in the heating loop in their regulations. JUDO offers a range of filtration units that comfortably meet with the most stringent of requirements. From magnetic filtration to hydro-dynamically optimised backwash filters.

JUDO HEIFI-TOP ¾" - 2"

Backwashable filter with deaeration feature

 In loop filtration units with integrated deaeration system and easy-clean backwash function.

 Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible.

 For water up to 90 °C
Max. operating pressure 10 bar



Scope of delivery: Brass casing; integrated hydro-dynamic sludge and micro-bubble capture system with rounded brush made of corrugated stainless steel; integrated high grade deaeration unit; large handwheel with ball valve for effective backwashing with simultaneous brush cleaning; built-in rotary flange with bayonet connection made of brass with screw, threaded connector in accordance with EN 10226-1; insulation in EPP.

Protects the boiler from both magnetic and non-magnetic particles.

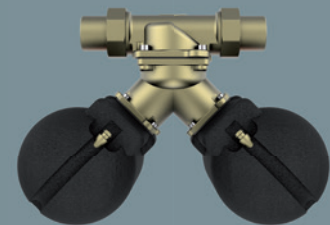
Type	JHF-T ¾"	JHF-T 1"	JHF-T 1¼"	JHF-T ** 1½"	JHF-T ** 2"
Pipe connection	¾"	1"	1¼"	1½"	2"
Flow rate m³/h	2	3	4	6	8
Pressure loss at nominal flow rate (at 80 °C) bar	0.06	0.10	0.18	0.10	0.18
Up to a heating capacity of kW	approx. 40	approx. 60	approx. 100	approx. 150	approx. 200
Temperature of inlet water max. °C	90	90	90	90	90
Max. operating pressure bar	10	10	10	10	10
Installation length mm	180	195	230	252	280
Order number	8060030	8060031	8060032	8060033	8060034

* Except for backwash water.

** 2 JHF-T 1" or 1¼" with parallel built-in rotary flange.



Type JHF-T ¾" - 1¼"



Top view Type JHF-T 1½" **

- ✓ **Protects**
through filtration and hydrodynamic air and micro-bubble separation
- ✓ **Reliably removes**
magnetic and non-magnetic dirt particles
- ✓ **Conserves resources**
Backwashable filter insert with rotating brush for low backwash water consumption
- ✓ **No follow-up costs ***
- ✓ **Intelligent**
reminds to backwash via app
- ✓ **Highly effective**
Large filter chamber with forced water flow
- ✓ **Practical**
no blockages and with low differential pressure even with large quantities of dirt particles

Installation dimensions see page 97.



Type JMFI ¾" - 1¼"

- ✓ **Protects**
by centrifugal separation with flow-optimised filter insert, magnetic effect and air and micro-bubble separation
- ✓ **Reliably removes**
magnetic and non-magnetic dirt particles
- ✓ **Conserves resources**
Optimised filter insert for low rinsing water consumption
- ✓ **Magnet function**
With high-performance magnets
- ✓ **No follow-up costs ****
- ✓ **Intelligent**
Reminds you to flush via app *
- ✓ **Practical**
Without clogging and with constant low differential pressure (model JMFI)

Installation dimensions see page 98.

JUDO MAFI ¾" - 1½"

Magnetite filter

- ✚ Separates magnetic and non-magnetic particles.
Effective protection with magnetic effect.
- ↕ Thanks to JUDO QUICKSET-E, installation in horizontally and vertically running pipes possible *
- 💧 For water up to 90 °C
Max. operating pressure 6 bar



Reminder function*

Scope of delivery: Casing in high grade, heat-resistant PVC with insulation material in EPP; specialised flow controller for the efficient removal of particles using centrifugal force; sedimentation section for the intermediate storage of particles removed; efficient removal of magnetite particles is enhanced using high power magnets; ball valve for clearing of sediment chamber incl. cover cap; for safety reasons, ball valve can only be activated using external handle; brass deaeration vent; built-in rotary flange with bayonet connection made of brass with screw, threaded connector in accordance with EN 10226-1.

Protects the boiler from both magnetic and non-magnetic particles.

Type	JMFI	JMFI	JMFI	JMFI ***
Pipe connection	¾"	1"	1¼"	1½"
Flow rate m³/h	1.0	1.5	2.0	4.0
Pressure loss at nominal flow rate bar	0.04	0.07	0.15	0.15
Up to a heating capacity of kW	approx. 22	approx. 34	approx. 46	approx. 100
Temperature of inlet water max. °C	90	90	90	90
Max. operating pressure bar	6	6	6	6
Installation length mm	180	195	230	252
Order number	8060098	8060099	8060100	8060101

* Type JMFI ¾" - 1¼"

** Except for rinse water.

*** 2 JMFI 1" with parallel built-in rotary flange.

JUDO FERROCLEAN DN 65 - 200

Sludge separator with deaeration system



For the removal and flushing of magnetite sludge (Fe₂O₃) and integrated optimised deaeration unit, for use in closed heating and cooling loop systems, including magnesium anode for oxygen retention.



For heating and cooling water from 6 - 110 °C
Max. operating pressure 16 bar

Scope of delivery: Welded steel container (PN 16) with flange connection and supports, 1 set of high power magnets, magnesium anode, deaeration unit (operational to max. 10 bar).

Type	JFS DN 65	JFS DN 80	JFS DN 100	JFS DN 125	JFS DN 150	JFS DN 200
Pipe connection mm	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200
Water flow rate m ³ /h	12	17	30	50	80	130
Pressure loss bar	0.0012	0.0018	0.0022	0.0032	0.0040	0.0050
Rinse water entry	½"	½"	½"	½"	½"	½"
Flush connection	1"	1"	1"	1"	1"	1"
Installation length mm	575	575	575	575	575	575
Order number	8055050	8055051	8055052	8055053	8055054	8055055

Consumables	Order number
JUDO Magnesium anode	2050315

Accessories	Order number
JUDO Insulation For model JFS DN 65.	8057501
JUDO Insulation For model JFS DN 80.	8057502
JUDO Insulation For model JFS DN 100.	8057503
JUDO Insulation For model JFS DN 125.	8057504
JUDO Insulation For model JFS DN 150.	8057505
JUDO Insulation For model JFS DN 200.	8057506

Note: To ensure a correct cleaning, a shut off valve should be installed after the unit when flushing with system's water and at unit entry and exit when flushing with raw water via the integrated external connection. In that case a pipe separator is also required in the raw water supply line. We recommend here our filling unit JUDO HEIFI-FÜL PLUS with integrated type BA pipe separator (order number 8060080). A bypass may also be required for ongoing operation.

An X-ray inspection or test certificates are available at extra cost.



Type JFS

- ✓ **Protects**
from magnetite sludge, with hydrodynamically optimised air separation
- ✓ **Highly effective**
the iron sludge is deposited on large high-performance magnets and can be easily removed by rinsing after the magnets have been deactivated
- ✓ **Oxygen binding**
through integrated magnesium protective anode, binds off excess oxygen on the spot – without depot effect
- ✓ **Resource-saving**
Cleaning is carried out with the unit's own medium or with external medium via the integrated raw water connection
- ✓ **Optional thermal insulation**

Installation dimensions see page 98.



Type JMHB mini

- ✓ **Standard-compliant heating water quality** with softened water
- ✓ **Efficient and quickly ready for use** thanks to a fully-fledged, regenerable softening system for mobile use
- ✓ **Uncomplicated** Easy to handle, time-saving regeneration with ready-to-use brine
- ✓ **Practical** Completely pre-assembled and easy to transport

Installation dimensions see page 99.

JUDO JMHB mini

Mobile softening unit for heating filling

- ✚ For direct filling of heating systems with partially or fully softened water.
- 💧 For water up to 30 °C
Operating pressure range 3 – 6 bar

Scope of delivery: Mobile heating filling system consisting of JUDO pipe separator type BA, JUDOMAT single softening unit, regeneration takes place with ready-made brine, which is produced on site from fine salt, directly from the transport container; automatic blending fitting mounted on robust frame with lockable industrial castors, power supply (230 V/50 Hz) via connection cable (approx. 1.5 m) with plug.

Please read manufacturer's notes!

Type	JMHB mini
Pipe connection input / output	1" / 3/4"
Max. flow rate m ³ /h	1
Max. operating pressure bar	6
Min. flow pressure bar	3
Capacity °dH x m ³	45
Salt consumption per regeneration kg	3.4
Order number	8390180

Consumables	Order number
JUDO Special regenerating salt for JMHB As fine salt in food quality, for the production of approx. 22 l of ready-to-use brine, packed in plastic containers of 6 kg each.	8395042
JUDO Spare parts set sieve insert 25 micron (0,025 mm) (packaging unit 2 pieces).	2080090

JUDO JMHB-RO mini

Mobile desalination unit for heating filling



For direct filling of heating systems with desalinated water.



For water up to 30 °C
Operating pressure range 3 – 6 bar

Scope of delivery: Prefabricated unit ready for operation, internally hydraulically piped and electrically wired, coated steel frame to accommodate the following assemblies: Fine filter 5 micron (0.005 mm), automatic raw water and discard valve, low-noise rotary pump, manometer for system pressure as well as pump operating pressure, polyamide winding module, flow rate display for permeate, water meter, system pressure switch and non-return valve in permeate line, overpressure switch, pressure switch for low water, conductivity measuring cell, rotating and lockable industrial rollers, electrical control including conductivity display as well as operating and fault display hose connection set including pipe separator type BA.

Please read manufacturer's notes!

Type	JMHB-RO mini
Permeate approx. l/h *	80 - 100
Permeate m ³ /day *	1.9 - 2.4
Raw water approx. l/h	300
Permeate back pressure bar	1 - 6
Salt retention %	> 98
Power supply V/Hz	230/50
Power consumption kW	0.25
Height x width x depth mm	924 x 356 x 389
Raw water connection mm	DN 20
Permeate connection mm	DN 20
Concentrate connection mm	DN 20
Order number	8470049

Consumables	Order number
JUDO Activated carbon filter cartridge JFK-AK 5 - 9¾" Length 9¾", filter mesh 5 micron.	2470093
JUDO Polypropylene filter cartridge JFK-PP 5 - 9¾" Length 9¾", filter mesh 5 micron.	2470095

For the preservation of the membrane elements (for downtimes ≥ 3 days)	Order number
JUDO dosing device JKON-D Hand pump with 5 litre stainless steel pressure vessel, for filling a mobile JUDO reverse osmosis unit (JMHB-RO) with preservation solution (JKON-RO) to bridge downtimes.	8470050
JUDO Preserving powder JKON-RO Powder for the preparation of a preservation solution for JUDO reverse osmosis unit, enough for approx. 10 applications.	8839170

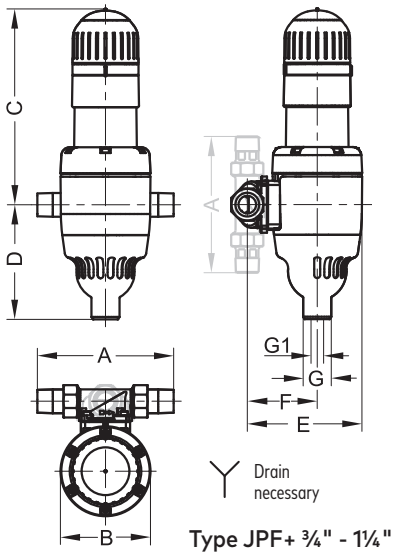
* depending on permeate back pressure, for raw water TDS 500 ppm.



Type JMHB-RO mini

- ✓ **Standard-compliant heating water quality** with desalinated water
- ✓ **Efficient and quickly ready for use** through fully mobile reverse osmosis system
- ✓ **Uncomplicated**
Requires neither the exchange of resin containers nor regenerations
- ✓ **Practical**
Completely pre-assembled and easy to transport

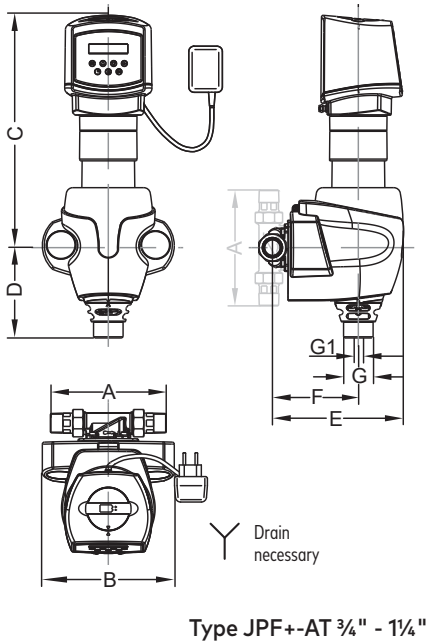
Installation dimensions see page 99.



JUDO PROFI-PLUS 3/4" - 2" (see page 17)

Backwash protective sediment filter manual version

Dimensions in mm	JPF+	JPF+	JPF+	JPF+	JPF+
Pipe connection	3/4"	1"	1 1/4"	1 1/2"	2"
A Installation length	180	195	230	252	280
B Unit depth	130	130	130	158	158
C Height above the pipe middle	280	280	280	348	348
D Height below the pipe middle	165	165	165	84	84
E Installation depth up to the pipe middle	165	165	170	207	215
F Waste water connection up to the pipe middle	100	100	105	128	136
G Waste water nominal diameter	40	40	40	20	20
G1 Waste water nominal diameter (alternative)	14	14	14	-	-
Order number	8010072	8010073	8010074	8010213	8010214

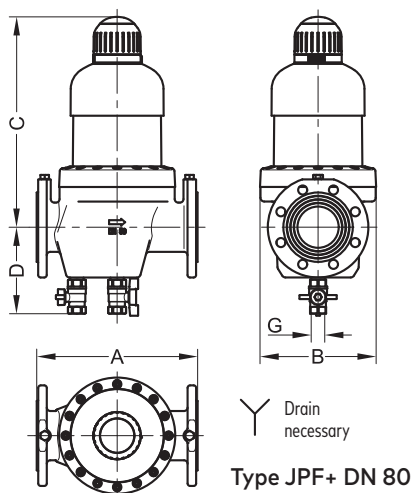


JUDO PROFIMAT-PLUS-AT/ATP 3/4" - 2"

(see page 18/19)

Automatic backwash protective sediment filter (time controlled/ time and differential pressure controlled)

Dimensions in mm	JPF+-AT/ATP	JPF+-AT/ATP	JPF+-AT/ATP	JPF+-AT/ATP	JPF+-AT/ATP
Pipe connection	3/4"	1"	1 1/4"	1 1/2"	2"
A Installation length	180	195	230	252	280
B Unit depth	222	222	222	158	158
C Height above the pipe middle	391	335	335	450	450
D Height below the pipe middle	165	165	165	107	107
E Installation depth up to the pipe middle	221/259	221/259	226/264	207/227	215/235
F Waste water connection up to the pipe middle	145/183	145/183	150/188	128/148	136/156
G Waste water nominal diameter	50	50	50	20	20
G1 Waste water nominal diameter (alternative)	15	15	15	-	-
Order number AT	8020663	8020664	8020665	8001019	8001020
Order number ATP	8020666	8020667	8020668	8001017	8001018



JUDO PROFI-PLUS DN 65 - 200 (see page 21)

Backwash protective sediment filter

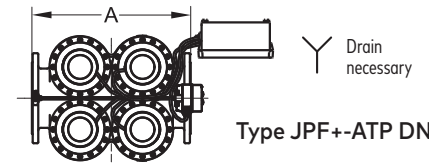
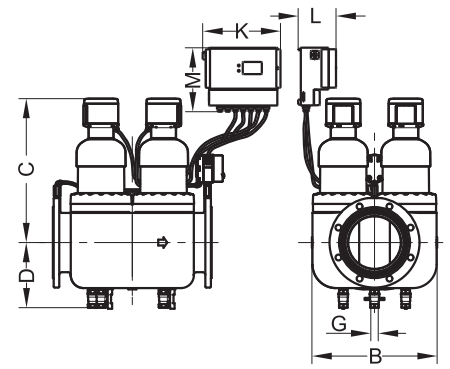
Dimensions in mm	JPF+	JPF+	JPF+	JPF+	JPF+	JPF+
Pipe connection	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200
A Installation length	240	320	320	560	560	600
B Unit depth	185	231	231	250	474	474
C Height above the pipe middle	350	419	426	446	469	485
D Height below the pipe middle	163	172	182	197	215	246
G Waste water nominal diameter	3/4" IG	3/4" IG	3/4" IG	3/4"	3/4"	3/4"
Order number	8010215	8010216	8010217	8290025	8290026	8290027

JUDO PROFIMAT-PLUS-AT/ATP DN 65 - 200

(see page 22/23)

Automatic backwash protective sediment filter
(time controlled/ time and differential pressure controlled)

Dimensions in mm	JPF+-AT/ATP	JPF+-AT/ATP	JPF+-AT/ATP	JPF+-ATP	JPF+-ATP	JPF+-ATP
Pipe connection	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200
A Installation length	240	320	320	560	560	600
B Unit depth	185	231	231	250	470	470
C Height above the pipe middle	414	478	487	505	525	535
D Height below the pipe middle	163	172	182	197	215	246
G Waste water nominal diameter	¾"	¾"	¾"	¾"	¾"	¾"
K	-	-	-	257	257	257
L	-	-	-	218	218	218
M	-	-	-	214	214	214
Order number AT	on request	on request	on request	-	-	-
Order number ATP	on request	on request	on request	8320025	8320026	8320027

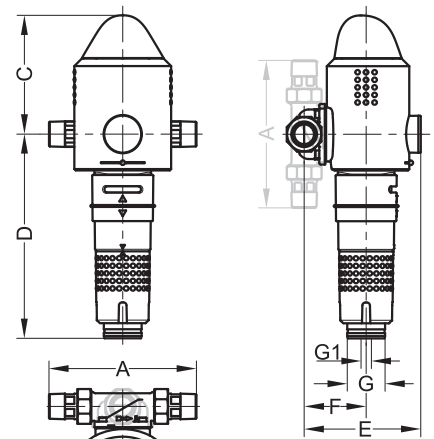


Type JPF+-ATP DN 200

JUDO Bioquell®-FILT BP ¾" - 2"

Backwash protective sediment filter with pressure regulation

Dimensions in mm	Bioquell®-FILT BP ¾"	Bioquell®-FILT BP 1"	Bioquell®-FILT BP 1¼"	Bioquell®-FILT BP 1½"	Bioquell®-FILT BP 2"
Pipe connection	¾"	1"	1¼"	1½"	2"
A Installation length	180	195	230	301	335
A1 Length on infeed side	-	-	-	175	195
B Unit depth	130	130	130	108	108
C Height above the pipe middle	158	158	158	181	181
D Height below the pipe middle	270	270	270	356	356
E Installation depth up to the pipe middle	155	155	160	212	220
F Waste water connection up to the pipe middle	82	82	87	118	126
G Waste water nominal diameter	50	50	50	50	50
G1 Waste water nominal diameter (alternative)	13	13	13	13	13
Order number	8170325	8170326	8170327	8170328	8170329



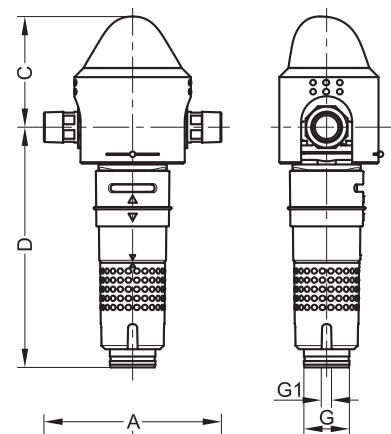
Drain necessary

Type Bioquell®-FILT BP ¾" - 1¼"

JUDO Bioquell®-FILT B ¾" - 2"

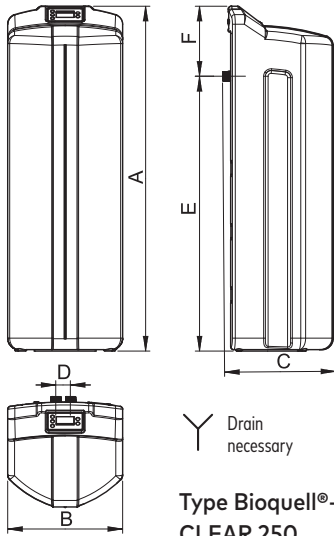
Backwash protective sediment filter

Dimensions in mm	Bioquell®-FILT B ¾"	Bioquell®-FILT B 1"	Bioquell®-FILT B 1¼"	Bioquell®-FILT B 1½"	Bioquell®-FILT B 2"
Pipe connection	¾"	1"	1¼"	1½"	2"
A Installation length	180	195	230	252	280
B Unit depth	115	115	115	114	114
C Height above the pipe middle	122	122	117	33	40
D Height below the pipe middle	264	264	269	336	344
G Waste water nominal diameter	50	50	50	50	50
G1 Waste water nominal diameter (alternative)	13	13	13	13	13
Order number	8070710	8070711	8070712	8070713	8070714



Drain necessary

Type Bioquell®-FILT B ¾" - 1¼"



Type Bioquell®-
CLEAR 250

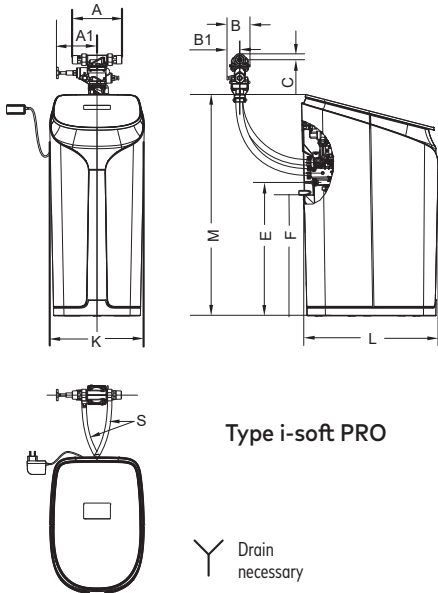
JUDO Bioquell®-CLEAR (see page 37)

The whole house purifier

Dimensions in mm	Bioquell®- CLEAR 75	Bioquell®- CLEAR 120	Bioquell®- CLEAR 150	Bioquell®- CLEAR 250
Pipe connection	¾"	¾"	1"	1"
A Installation height	550	550	1200	1200
B Device width	215	259	400	400
C Installation depth up to the pipe	270	301	387	387
D Installation width on pipe	51	51	51	51
E Height below the pipe middle	435	435	957	957
F Height above the pipe middle	115	115	244	244
Order number	8200385	8200386	8200387	8200388

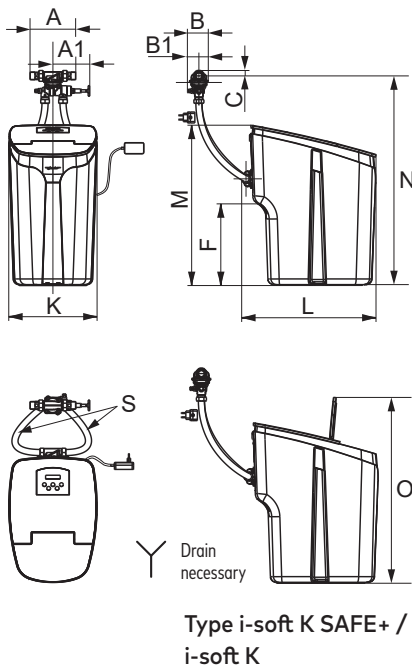
JUDO i-soft PRO / i-soft PRO L (see page 46)

Fully automatic water softener with micro-leakage protection



Type i-soft PRO

Dimensions in mm	i-soft PRO	i-soft PRO L
A Installation length	195	278
A1 Length JQU handwheel to centre of connection	161	161
B JQU width	91	91
B1 Width JQU side face to pipe centre	41	41
C Connection height above pipe centre	25	25
E Installation depth up to the centre of the tube	498	498
F Height of the overflow connection	473	473
K Width of softening unit	372	372
L Depth of the softening unit	536	536
M Height of the softening unit	869	869
S Hose length	800	800
Order number	8203710	8203714



Type i-soft K SAFE+ /
i-soft K

JUDO i-soft K SAFE+ / i-soft K (see page 48/49)

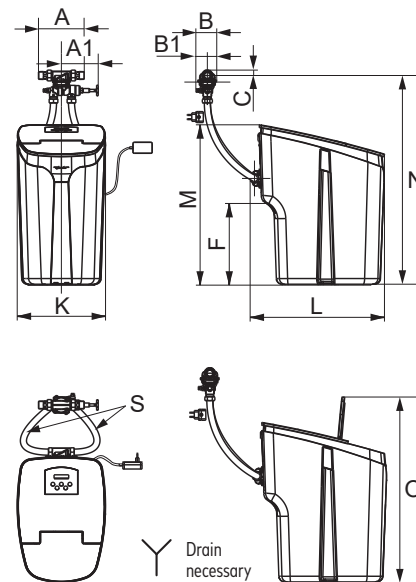
Fully automatic water softener with micro-leakage protection / leakage warning

Dimensions in mm	i-soft K SAFE+	i-soft K
A Installation length	195	195
A1 Length JQU handwheel to centre of connection	160	160
B JQU width	95	95
B1 Width JQU side face to pipe centre	55	55
C Connection height above pipe centre	25	25
F Height of the overflow connection	350	350
K Width of softening unit	380	380
L Depth of the softening unit	575	575
M Height of the softening unit	685	685
N Maximum height of water connection (pipe centre), without hose extension	1.200	1.200
O Height of water softener with open salt container lid	795	795
S Hose length	1.000	1.000
Order number	8203526	8203527

JUDO QUICKSOFT-MP (see page 52)

Water softening unit

Dimensions in mm	QUICKSOFT-MP
Pipe connection	1"
A Installation length	195
A1 Length JQX handwheel to centre of connection	157
B Depth connection	92
B1 Depth JQX Wall side to pipe centre	52
C Height of connection above pipe centre	25
E Height waste water connection	396
F Height overflow connection	396
K Wide softener	376
L Depth softener	542
M Height softener	686
S Hose length	800
Order number	8203563



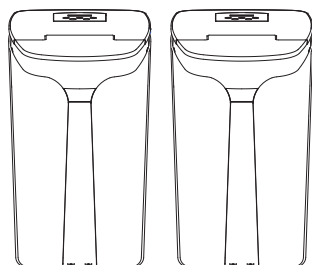
QUICKSOFT-MP

JUDO QUICKSOFT-MP MEGA 5 / MEGA 7 (see page 53/54)

Water softening unit

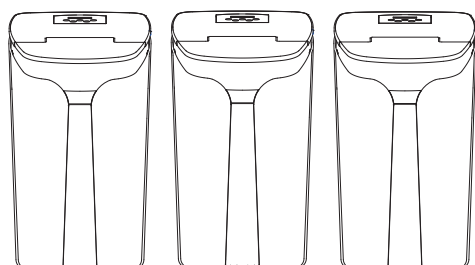
Dimensions in mm	QUICKSOFT-MP MEGA 5	QUICKSOFT-MP MEGA 7
Pipe connection	1¼"	1½"
E Height waste water connection	395	395
F Height overflow connection	395	395
K Wide softener	860	1.340
L Depth softener	590	590
M Height softener	685	685
Order number	on request	on request

QUICKSOFT-MP MEGA 5



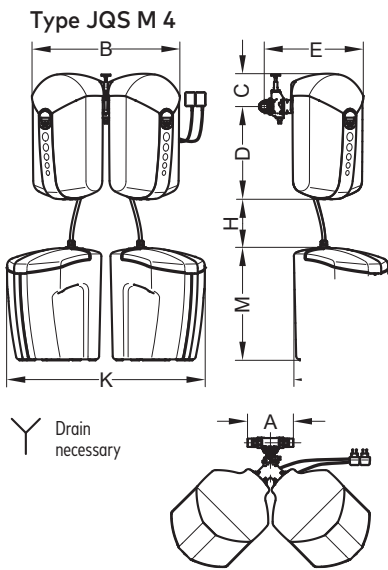
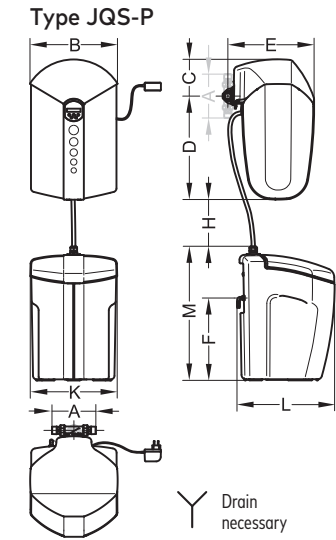
Y Drain necessary

QUICKSOFT-MP MEGA 7

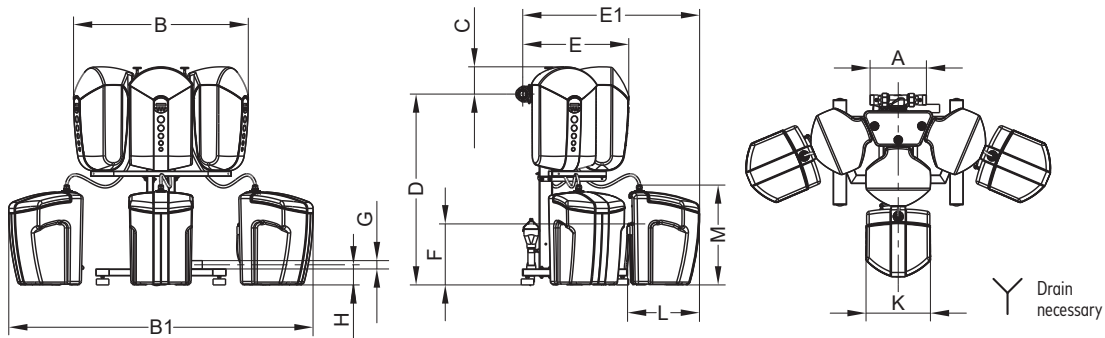


Y Drain necessary

JUDO QUICKSOFT-P Water softening unit (see page 55)
JUDO QUICKSOFT MEGA 4 (see page 56)
JUDO QUICKSOFT MEGA 6 (see page 57)
Softening unit for building services



Type JQS M 6

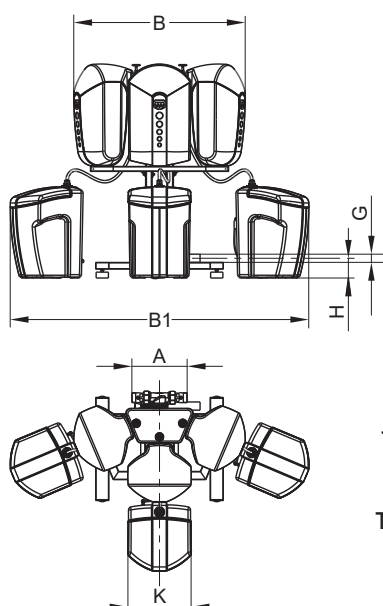


Dimensions in mm	JQS-P	JQS M 4	JQS M 6
Pipe connection	1"	1¼"	1½"
A Installation length	195	230	306
B Device width	390	735	1.050
B1	-	-	env. 1.800
C Height above the pipe middle	165	165	162
D Height below the pipe middle	465	465	1.145
E Installation depth up to the pipe	385	430	629
E1 Installation depth up to the pipe with JQX	450	-	env. 1.000
F Height of the overflow connection	370	-	366
G	-	-	50
H Minimum separation between water softening system and salt reservoir	240	240	121
K Width of the salt reservoir	390	990	390
L Depth of salt reservoir with overflow	435	475	435
M Height of the salt reservoir	600	560	600
Order number	8203523	8200367	8203525

JUDO i-soft@home (see page 61)

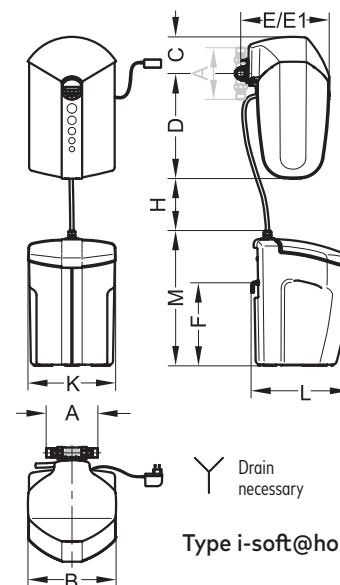
Fully automatic water softening unit

Dimensions in mm	i-soft@home	i-soft@home 5	i-soft@home 7.5
Pipe connection	1"	1 1/4"	2"
A Installation length (rotary flange)	195	230	338
B Device width	390	735	1.049
C Height above the pipe middle	165	165	164
D Height below the pipe middle	465	465	1.145
E Installation depth up to the pipe	385	495	636
E1 Installation depth up to the pipe	450	-	-
F Height of the overflow connection	370	-	366
H Minimum separation between water softening system and salt reservoir	240	240	-
K Width of the salt reservoir	390	990	390
L Depth of salt reservoir with overflow	435	475	435
M Height of the salt reservoir	600	560	600
Order number	8203040	8203041	8203045



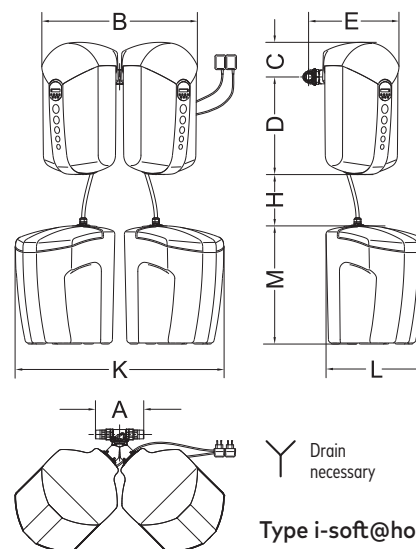
Y Drain necessary

Type i-soft@home 7.5



Y Drain necessary

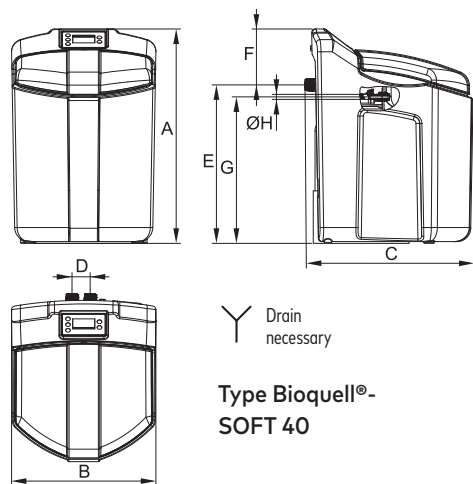
Type i-soft@home



Y Drain necessary

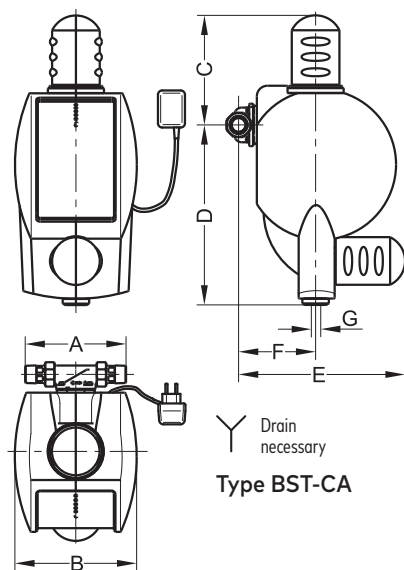
Type i-soft@home 5

JUDO Bioquell®-SOFT 15 - 100 (see page 64/65) Water softening unit



Dimensions in mm	Bioquell®-SOFT 15	Bioquell®-SOFT 40	Bioquell®-SOFT 65	Bioquell®-SOFT 100
Pipe connection	¾"	¾"	1"	1"
A Installation height	545	600	1.200	1.200
B Device width	287	404	404	404
C Installation depth up to the pipe	444	470	475	475
D Installation width on pipe	51	51	51	51
E Height below the pipe middle	404	444	953	953
F Height above the pipe middle	142	157	248	248
G Height of the overflow connection	285	410	635	635
Ø H Overflow connection	13	14	14	14
Order number	8200375	8200377	8200378	8200379

JUDO BIOSTAT-COMBIMAT BST-CA 15 - 25 Descaling (see page 68)



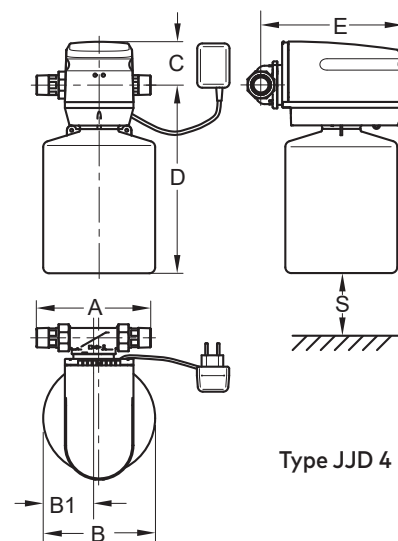
Dimensions in mm	BST-CA 15	BST-CA 25
Pipe connection	¾"	1"
A Installation length	180	195
B Unit width	230	230
C Height above pipe centre	210	210
D Height below pipe centre	340	340
E Depth to pipe centre without JQX */ with JQX *	320/385	320/385
F Centre of flushing water connection to pipe centre without JQX */ with JQX *	150/215	150/215
G Dimension of flushing water connection	15	15
Order number	8210411	8210412

* optional JUDO bypass valve

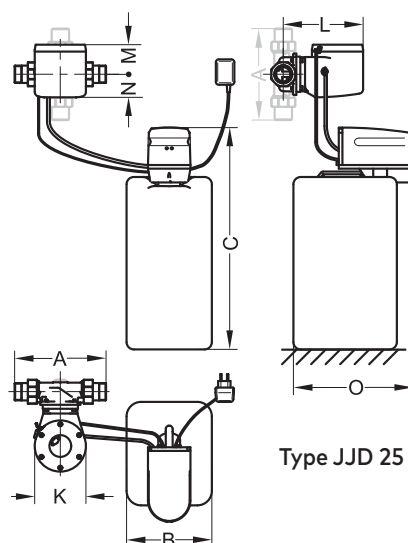
JULDOS 4 - 25 (see page 71)

Dosing unit

Dimensions in mm	JJD 4	JJD 10	JJD 25
Pipe connection	1"	1¼"	1½"
A Installation length	195	230	252
B Unit width	195	235	235
B1 Depth to flange centre	90	-	-
C Height of unit above pipe center, alt Height of unit	75	590	590
D Height of unit below pipe center	330	-	-
E Installation length to pipe centre	245	-	-
K Radius water meter	90	90	145
K1 Water meter radius to flange centre	40	40	-
L Water meter depth to pipe centre	145	150	220
M Water meter height above pipe centre	60	60	85
N Depth of water meter below pipe centre	50	50	65
O Total unit width	210	330	330
P Length of tubing	1.400	1.400	1.400
S Min residual height for servicing	280	-	-
Order number	8309075	8309076	8309077



Type JJD 4

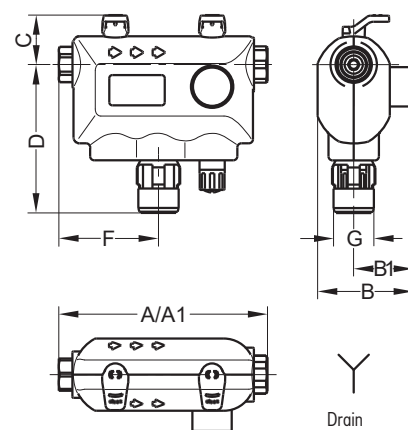


Type JJD 25

JUDO HEIFI-FÜL PLUS (see page 75)

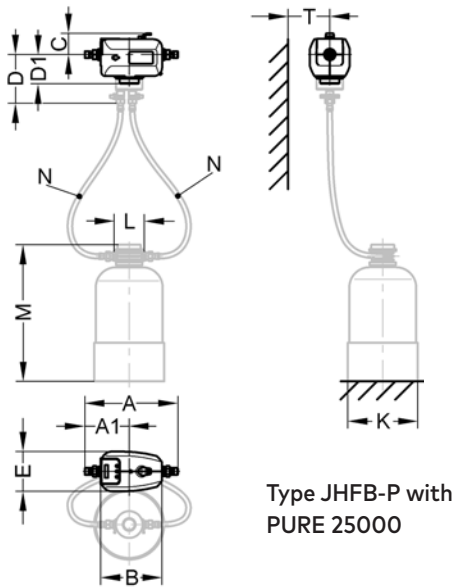
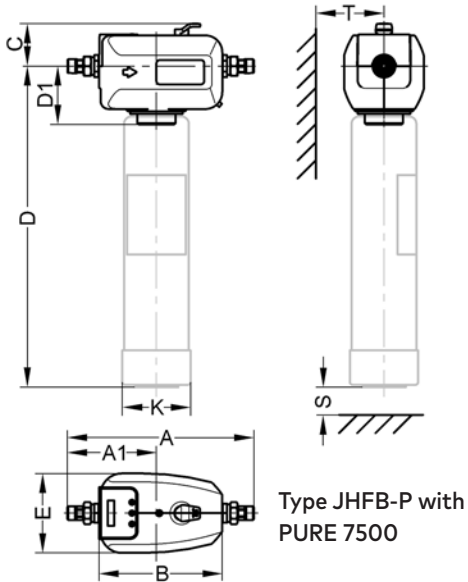
Filling valve with integrated pipe separator and pressure regulator

Dimensions in mm	JHF-F PLUS
Pipe connection	¾"
A Installation length with screw connections	202
A1 Installation length without screw connections	146
B Unit width	96
B1 Width pipe centre to front edge of unit	60
C Height above the pipe middle	49
D Height below the pipe middle	148
F Inlet side to centre of waste water connection	99
G Nominal width waste water	40
Order number	8060080



Type JHF-F PLUS

JUDO HEIFI Filling system PURE (see page 76) Desalination unit

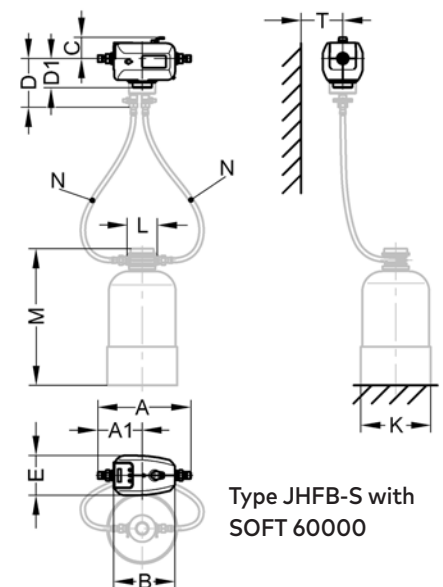
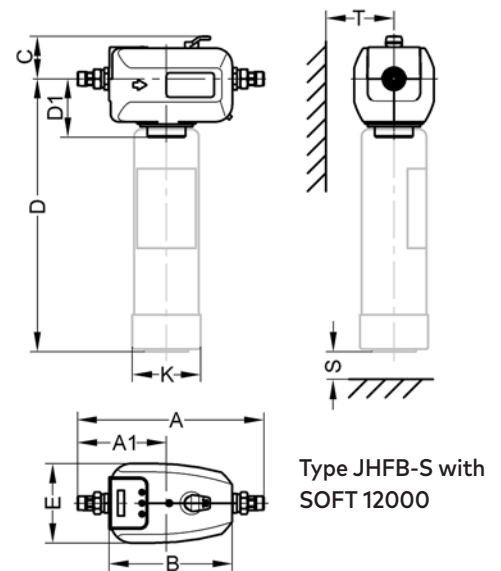


Dimensions in mm	JHFB-P with PURE 7500	JHFB-P with PURE 25000
A Installation length	351	351
A1 Length of inlet to centre of resin cartridge connection	168	168
B Unit width	232	232
C Height above pipe centre	81	81
D Height below pipe centre	605	179
D1 Height below pipe centre	110	110
E Unit depth	150	150
K Container diameter	129	264
L Container Installation length	-	115
M Container Height	-	515
N Hose length	-	1.000
S Floor distance min.	25	-
T Wall distance to rear min.	125	125
Order number JHFB-P	8068536	8068536
Order number cartridge 7500 / 25000	8068019	8068531

JUDO HEIFI Filling system SOFT (see page 77)

Softening unit

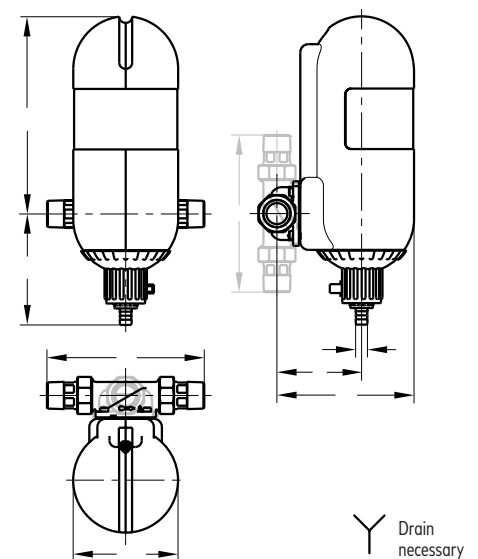
Dimensions in mm	JHFB-S with PURE 12000	JHFB-S with PURE 60000
A Installation length	351	351
A1 Length of inlet to centre of resin cartridge connection	168	168
B Unit width	232	232
C Height above pipe centre	81	81
D Height below pipe centre	514	179
D1 Height below pipe centre	110	110
E Unit depth	150	150
K Container diameter	129	264
L Container Installation length	-	115
M Container Height	-	515
N Hose length	-	1.000
S Floor distance min.	25	-
T Wall distance to rear min.	125	125
Order number JHFB-S	8068535	8068535
Order number cartridge 12000 / 60000	8068018	8068530



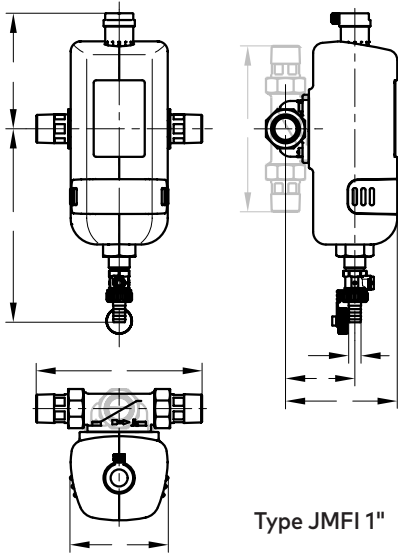
JUDO HEIFI-TOP 3/4" - 2" (see page 83)

Backwashable filter with deaeration feature

Dimensions in mm	JHF-T 3/4"	JHF-T 1"	JHF-T 1 1/4"	JHF-T 1 1/2"	JHF-T 2"
Pipe connection	3/4"	1"	1 1/4"	1 1/2"	2"
A Installation length	180	195	230	252	280
B Unit width	130	130	130	342	342
C Height above pipe centre	245	245	245	245	245
D Height below pipe centre	138	138	138	138	138
E Installation depth to pipe centre	170	170	175	234	242
F Inlet side to centre of waste water connection	105	105	110	169	177
G Nominal width waste water	15	15	15	15	15
Order number	8060030	8060031	8060032	8060033	8060034



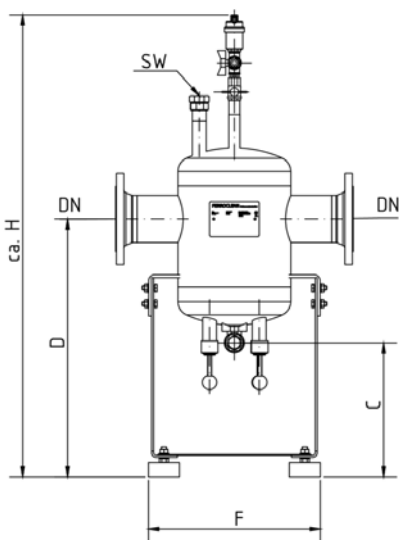
Type JHF-T 1"



JUDO MAFI ¾" - 2" (see page 84)

Magnetite filter

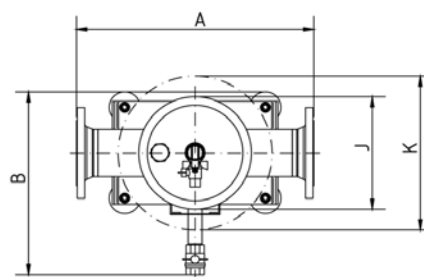
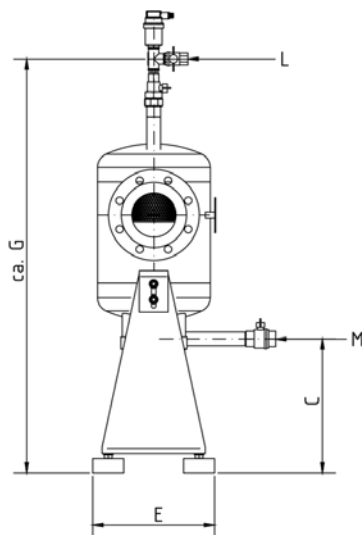
Dimensions in mm	JMFI ¾"	JMFI 1"	JMFI 1½"	JMFI 2"
Pipe connection	¾"	1"	1½"	2"
A Installation length	180	195	230	252
B Unit width	116	116	116	296
C Height above pipe centre	141	141	141	141
D Height below pipe centre	227	227	227	227
E Installation depth to pipe centre	131	131	136	209
F Inlet side to centre of waste water connection	82	82	87	151
F1 Distance between waste water connection centres	-	-	-	180
G Nominal width waste water	15	15	15	15
Order number	8060098	8060099	8060100	8060101



JUDO FERROCLEAN DN 65 - 200 (see page 85)

Sludge separator with deaeration system

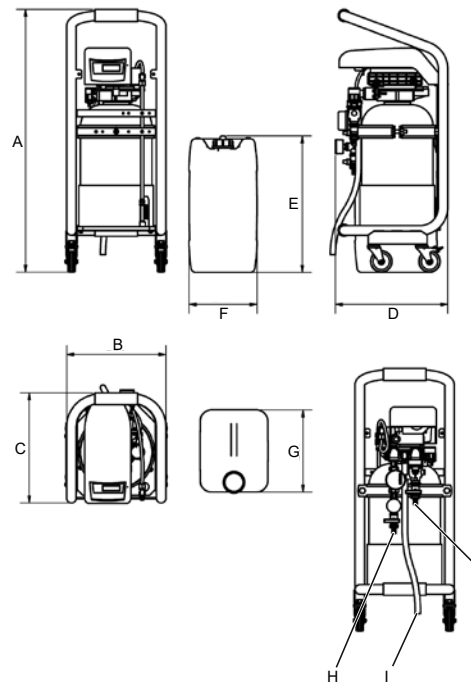
Dimensions in mm	JFS DN 65	JFS DN 80	JFS DN 100	JFS DN 125	JFS DN 150	JFS DN 200
Pipe connection mm	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200
A	575	575	575	575	575	575
B	435	435	435	435	435	435
C	349	349	349	349	349	349
D	649	649	649	649	649	649
E	295	295	295	295	295	295
F	416	416	416	416	416	416
G	1.026	1.026	1.026	1.026	1.026	1.026
H	1.143	1.143	1.143	1.143	1.143	1.143
I	500	500	500	500	500	500
J	273	273	273	273	273	273
K	373	373	373	373	373	373
L Flush water inlet	IG ½"	IG ½"	IG ½"	IG ½"	IG ½"	IG ½"
M Sludge	IG 1"	IG 1"	IG 1"	IG 1"	IG 1"	IG 1"
Order number	8055050	8055051	8055052	8055053	8055054	8055055



JUDO JMHB mini (see page 86)

Mobile softening unit for heating filling

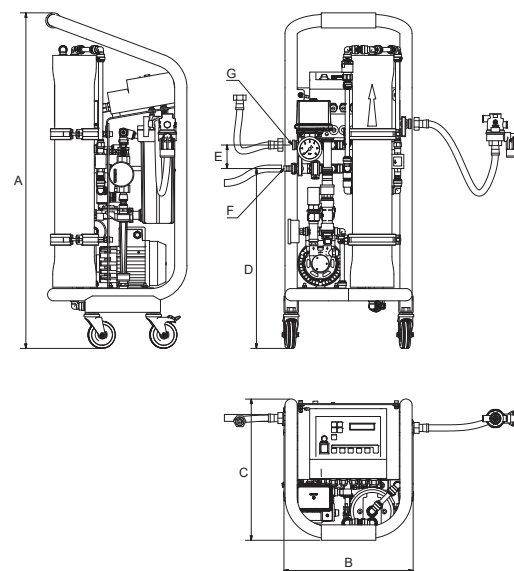
Dimensions in mm		JMHB mini
Pipe connection input / output		1" / 3/4"
A Unit height		925
B Unit width		350
C Depth unit frame		387
D Unit depth		397
E Height container		480
F Width container		240
G Depth container		289
H Nominal width outlet soft water		1/2"
I Nominal width outlet backwash water		1/2"
J Nominal width inlet raw water		1/2"
Order number		8390180



JUDO JMHB-RO mini (see page 87)

Mobile desalination unit for heating filling

Dimensions in mm		JMHB-RO mini
A Unit height		924
B Unit width		356
C Unit depth		389
D Concentrate outlet height		495.5
E Distance between concentrate and permeate outlets		65
F Permeate outlet with judo armored hose		3/4"
G Concentrate outlet with judo hose		3/4"
Order number		8470049



Conversions

Pressure			
		bar	psi
Bar	1 bar =	1	14.5
Pound per square inch	1 psi =	0.069	1

Length			
		cm	inch
Centimeter	1 cm =	1	0.39
Inch	1 inch =	2.54	1

Flow			
		m³/h	GPM
Cubic meters per hour	1 m³/h =	1	4.4
Gallons per minute	1 GPM =	0.227	1

Weight			
		kg	lb
Kilogram	1 kg =	1	2.2
Pound	1 lb =	0.45	1

Hardness								
		°dH	°e	°f	ppm	gpg	meq/l	mmol/l
German Degrees	1 °dH =	1	1.253	1.78	17.8	1.04	0.375	0.178
English Degrees	1 °e =	0.798	1	1.43	14.3	0.83	0.286	0.143
French Degrees	1 °f =	0.56	0.702	1	10	0.58	0.2	0.1
ppm CaCO ₃	1 ppm =	0.056	0.07	0.1	1	0.058	0.02	0.01
grains per gallon	1 gpg =	0.94	1.3	1.86	18.52	1	0.36	0.18
meq per litre	1 meq/l =	2.8	3.5	5	50	2.9	1	0.5
mmol per litre	1 mmol/l =	5.6	7.0	10	100	5.8	2	1

GENERAL TERMS AND CONDITIONS OF SALE

valid from June 2018

These terms and conditions of sale are valid for all transactions with JUDO Wasseraufbereitung GmbH. Any digression or alterations to these terms are valid only subject to prior consent in writing by JUDO Wasseraufbereitung GmbH.

1. Quotations

- 1.1. All offers from JUDO Wasseraufbereitung GmbH shall be subject to change and non-binding unless they are expressly designated as binding offers.
- 1.2. Pictures, drawings, performance and other technical material shall be representative and may not reflect, in detail, actual items quoted.
All drawings and all technical documentation are expressly the copy right and property of JUDO Wasseraufbereitung GmbH. These documents as well as quotations may not be shared with any third party, especially if they are of direct or indirect competition of us. Drawings and/or any further documentation that belong to quotations shall be returned immediately to us in case of the non-conclusion of a sales contract, or upon request from us.
- 1.3. Orders shall not become binding unless they have been confirmed by JUDO Wasseraufbereitung GmbH by means of a written order confirmation. To the extent that order confirmations contain obvious errors, misspelling or calculation mistakes, it shall not be binding upon JUDO.

2. Delivery; Delivery period

- 2.1. Unless expressly otherwise agreed, delivery shall be "ex works" (EXW, as defined by Incoterms®2020).
- 2.2. The delivery time mentioned by us is understood to be indicative, and shall not be binding. Any delay in delivery shall not entitle the customer to rescind the contract with JUDO Wasseraufbereitung GmbH.
- 2.3. The delivery period shall commence when JUDO Wasseraufbereitung GmbH dispatches the order confirmation and shall be deemed met if, by the time the delivery period expires, JUDO has made the goods available at the place of delivery.
- 2.4. If the failure to comply with delivery periods is due to force majeure and other obstacles for which JUDO Wasseraufbereitung GmbH is not responsible, such as war, terrorist attacks, or an import and export restrictions, including obstacles that affect any of JUDO's suppliers, the agreed delivery periods shall be extended for the duration of the existence of such obstacles.
- 2.5. JUDO Wasseraufbereitung GmbH shall be entitled to effect partial deliveries.
- 2.6. The customer shall be obliged to examine the goods upon delivery for externally visible damage, and report the damage, if any, to the transport company which carries out the delivery and ask the latter for an according confirmation in writing. If the customer fails to comply with this obligation, it shall be liable to compensate JUDO Wasseraufbereitung GmbH for any damage suffered as a result of such failure.

3. Prices

- 3.1. Unless specifically otherwise agreed, all prices are EXW (Incoterms®2020), excluding packing. In case of a sale including shipment, the customer shall bear the transportation costs and, where applicable, the cost of the transport insurance requested by the client.
- 3.2. Orders, for which prices have not been expressly agreed upon, shall be invoiced at the gross prices (in EURO) and according to the discount scheme which is valid at the time of delivery.

4. Transfer of risk

The risk of accidental loss or destruction of accidental deterioration of the goods shall pass to the customer as soon as JUDO Wasseraufbereitung GmbH has made the goods available at the place of delivery. All deliveries, including any possible return Consignment, are being transported at customer's risk.

5. Return of goods

No return of goods is authorized, unless expressly accepted by JUDO Wasseraufbereitung GmbH, and according to the conditions defined by JUDO Wasseraufbereitung GmbH.

6. Terms of payment

- 6.1. Unless otherwise agreed in writing, the purchase price plus the cost of the packaging, freight and insurance, where applicable, shall be payable without any deduction and free of charge within 30 days from the receipt of the invoice, by transfer to the bank account of JUDO Wasseraufbereitung GmbH the details of which have been stated in the invoice. The deduction of a discount for prompt payment must be agreed in writing.
- 6.2. JUDO Wasseraufbereitung GmbH is entitled to make deliveries against payment in advance, and according to the conditions mentioned in the order confirmation only.

7. Retention of title

- 7.1. The goods supplied shall remain JUDO Wasseraufbereitung GmbH property until they have been paid for in full.
- 7.2. The goods supplied shall remain JUDO Wasseraufbereitung GmbH property until all claims arising from the business relationship between the customer and JUDO Wasseraufbereitung GmbH have been paid in full.
The customer shall be obliged to handle the goods which are subject to this retention-of-title clause with due care for as long as title is retained. In particular, the customer shall be obliged to sufficiently insure the goods at the customer's own expenses at their replacement value against damage by fire, water and theft.
The customer shall have the right, subject to revocation, to sell the goods which are subject to this retention-of-title clause in the ordinary course of business. The customer shall have no right to pledge the goods which are subject to this retention-of-title clause, to transfer them by way of security, or to make any other dispositions that may jeopardize the ownership of JUDO Wasseraufbereitung GmbH. In case of attachments, or other encroachments by third parties, the customer must notify JUDO Wasseraufbereitung GmbH without undue delay in writing and provide all the information needed, advise the third party of JUDO Wasseraufbereitung GmbH's property rights, and assist them with any measures taken by JUDO Wasseraufbereitung GmbH to protect the goods which are subject to this retention-of title clause.

8. Warranty

- 8.1. The customer's right arising from defects shall be contingent upon the customer performing its statutory obligations to inspect and give notice for defects, in particular, upon the customer inspecting all goods supplied without undue delay upon receipt and giving JUDO Wasseraufbereitung GmbH without undue delay written notice of any obvious defects and of defects that could be identified during such inspection. The customer must provide JUDO Wasseraufbereitung GmbH with written notice of any hidden defects latest within 8 days after such defects have been discovered. If the customer fails to carry out a proper inspection and/or give notice of defects within 8 days, JUDO Wasseraufbereitung GmbH shall not be liable for the defect. When giving JUDO Wasseraufbereitung GmbH notice of the defects, the customer must provide a written description of the defects.
- 8.2. Should the goods be determined defective, JUDO Wasseraufbereitung GmbH may remedy the defects, or at its option, deliver goods which are free from defects.

9. Exclusion of warranty

The present warranty shall not apply:

- If the technical requirements or the use of the products are not strictly respected, according to the installation and operating instructions
- In case of the modification in the water composition or in the conditions of use of the device
- In the case of exceeding the maximum capacity of the device, or, on a general note, in the case that the products are not used according to the indicated instructions of use of the manufacturer.
- In the case of the use of chemical products, or products of filtration etc. which are not recommended by JUDO Wasseraufbereitung GmbH
- The warranty is not applicable for parts subject to tear and wear
The statutory warranty period is applicable.

10. Governing law; place of jurisdiction

The legal relations between the customer and JUDO Wasseraufbereitung GmbH shall be governed by the law of the Federal Republic of Germany.

The United Nation's Unified Regulations of the Sale of Goods – CISG – shall be expressly excluded.

The place of jurisdiction is Winnenden, Germany.

11. Miscellaneous

Any transfer or assignment of rights and obligations of the customer to third parties shall require the written consent of JUDO Wasseraufbereitung GmbH.

The place of performance for all obligations that are to be performed by the customer and by JUDO Wasseraufbereitung GmbH shall be in JUDO Wasseraufbereitung GmbH's registered office.

12. Data Privacy Statement

Our present Data Privacy Statement is located at: <https://judo.eu/en/data-protection/>

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We reserve the right to make technical changes. No responsibility for errors.



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