

JUDO 2022

PROFI MANUAL  
and PROFIMAT AUTOMATIC  
PROTECTIVE SEDIMENT  
FILTERS



# CATALOGUE

Perfect water makes the difference



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

It's our systems others strive to imitate.



Type	JUDO PROFI-PLUS	JUDO PROFI	JUDO PROFIMAT-PLUS-AT
Pipe connection	¾" - 1¼"	1½" - 2"	¾" - 2"
Flow rates m³/h *	6.7 - 8.5	13 - 16	6.7 - 22
Backwash filter	✓	✓	✓
Backwash filter with pressure regulation	–	–	–
Manual	✓	✓	–
Automatic timer	–	–	✓
Automatic timer and pressure controlled	–	–	–
Using patented point rotation system	✓	✓	✓
See pages	17	17	18

\* Δp 0.5 bar



### JUDO PROFIMAT-PLUS-ATP

### JUDO Bioquell®-FILT BP

### JUDO Bioquell®-FILT B

3/4" - 2"

3/4" - 2"

3/4" - 2"

6.7 - 22

2.3 - 14.0

3.7 - 15.1

✓

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✓

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✓

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19

25

26

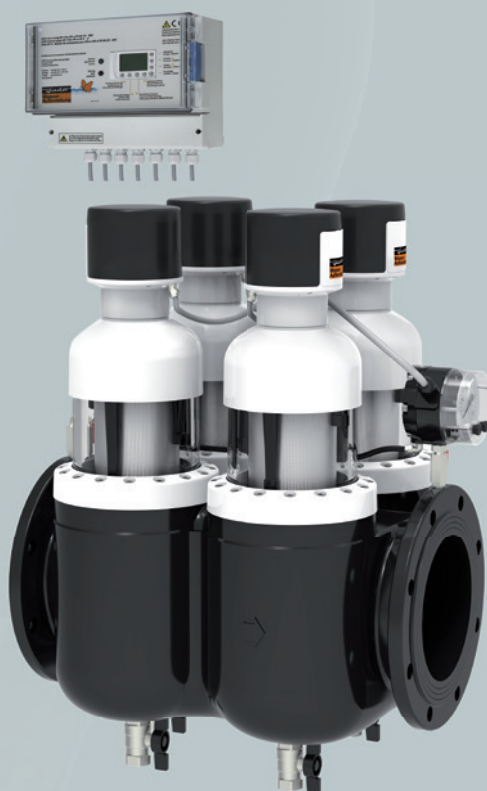




Type	JUDO PROFI	JUDO PROFIMAT-AT	JUDO PROFIMAT-ATP
Pipe connection	DN 65 - 100	DN 65 - 100	DN 65 - 100
Flow rates m <sup>3</sup> /h *	28 - 78	28 - 78	28 - 78
Backwash filter	✓	✓	✓
Backwash filter with pressure regulation	–	–	–
Manual	✓	–	–
Automatic timer	–	✓	✓
Automatic timer and pressure controlled	–	–	✓
Using patented point rotation system	✓	✓	✓
See pages	21	22	23

\* Δp 0.5 bar

FI-QC



## JUDO PROFI

DN 125 - 200

100 - 200

✓

-

✓

-

-

✓

21

## JUDO PROFIMAT-ATP

DN 125 - 200

100 - 200

✓

-

-

✓

✓

✓

23

## Experience since 1962

### 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.

### 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.

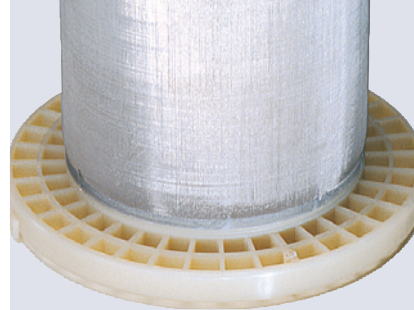
### Integrated free outlet.

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.

## The most efficient way to backwash the point-rotation system

Cleaning a filter screen by backwashing is a JUDO invention, which was then perfected via the point-rotation system. In the PROFI-series, particles trapped in the sieve mesh are suctioned off under pressure, point to point across the screen and then drained using three rotating suction arms which also clean the viewing glass during backwash.

This combination not only gives an optimal cleaning performance but also ensures high levels of hygiene by removing the material on which bacterial growth can take place.



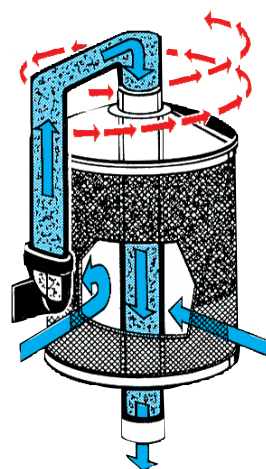
Stainless steel sieve



Hydrodynamic cleaning



Simple cleaning by turning a handwheel with no need for cartridge replacement



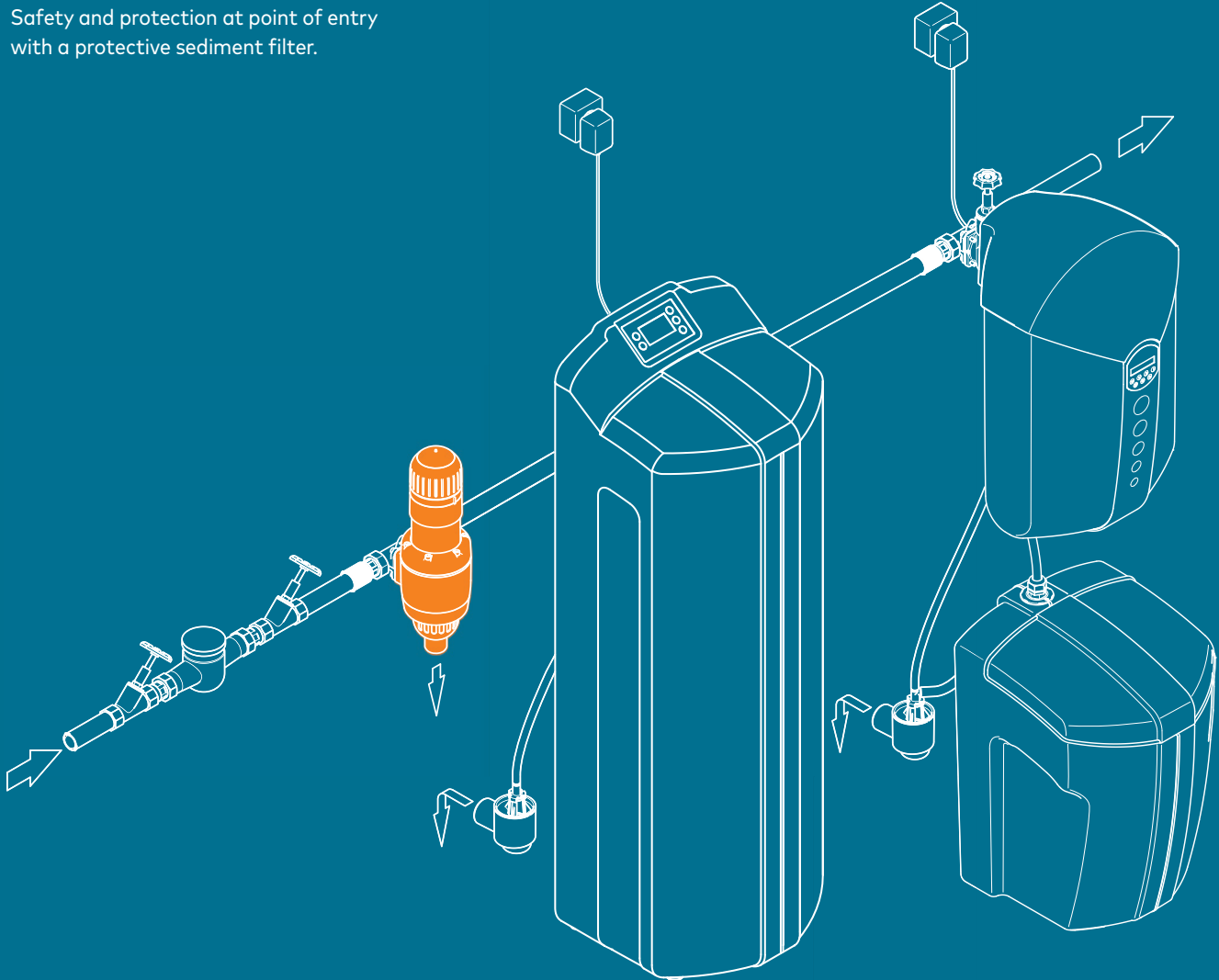
No interruption to the water supply during backwash cycle

# PROFI

## Protective sediment filters

### JUDO protective sediment filters

Safety and protection at point of entry with a protective sediment filter.



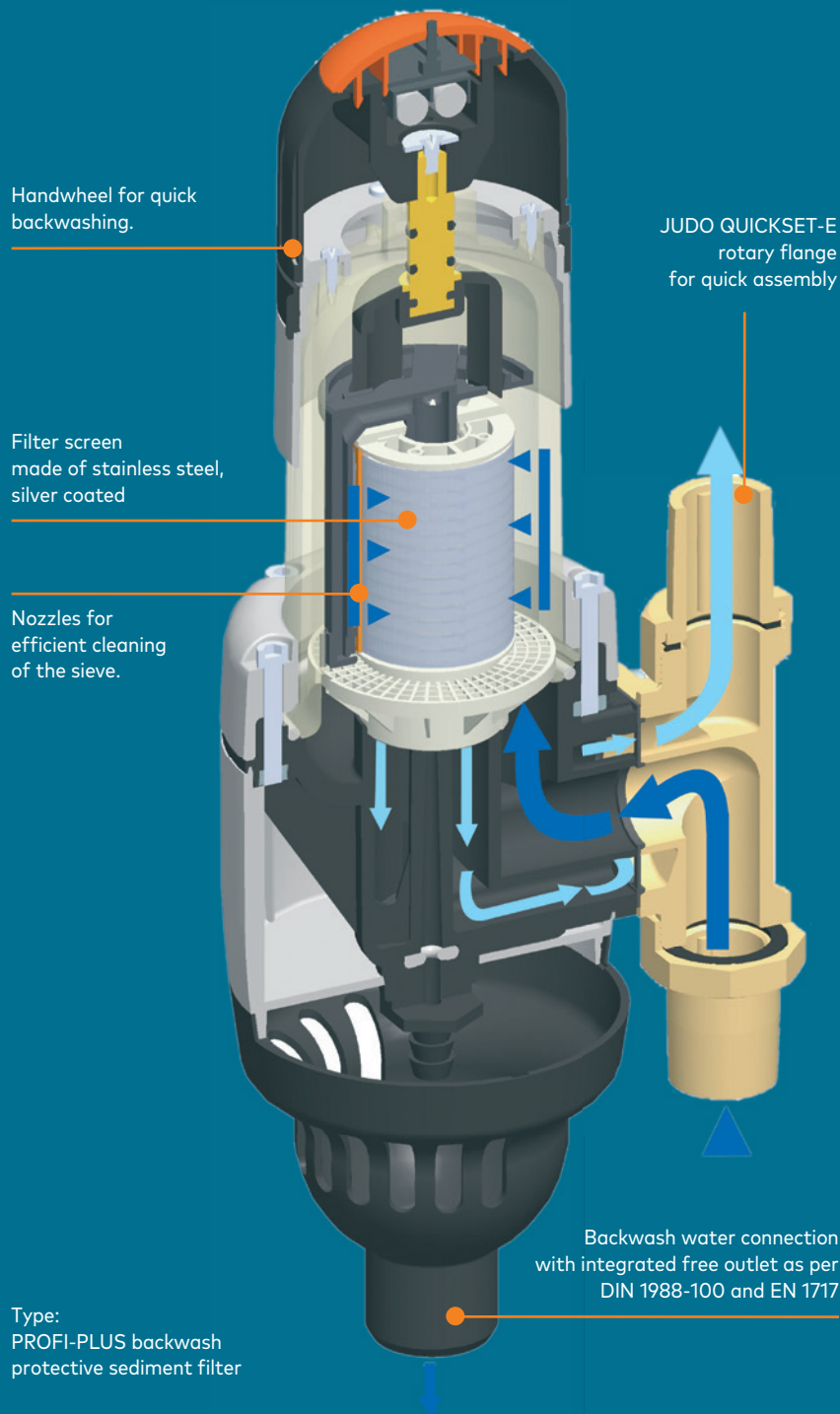
### For your drinking water installation

A powerful JUDO backwash protective sediment filter forms the starting point for most water treatment solutions. Because even if the local suppliers supply water of the highest quality, it cannot be prevented that impurities are washed into the domestic water installation: Suspended particles, metal chips and oxides, residues of sealing material. These particles can damage accessories and cause seals to wear prematurely.

# JUDO PREMIUM LINE ¾" - 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 sieve and many other advantages. And most importantly: Quality made in Germany.





# JUDO PROFI-PLUS ¾" - 2"

## Backwash protective sediment filter manual version

With stainless steel filter screen, electronic reminder (¾" - 1¼") 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 patented 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 (with memory electronics) for backwashing based on point rotation system with simultaneous cleaning of the inspection 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 inspection 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 rate 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 coated)	JPF+	JPF+	JPF+	JPF	JPF
Pipe connection	¾"	1"	1¼"	1½"	2"
Mesh size 30 µm/0.03 mm	8010075	8010076	8010077	8015002	8015012
Mesh size 320 µm/0.32 mm	8010078	8010079	8010080	8015003	8015013
Mesh size 500 µm/0.5 mm	8010081	8010082	8010083	8015004	8015014

Made in Germany	Stable plastic housing	Proven quality	Inspection glass	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!



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 58.



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



- ✓ **Quality assured**  
made in Germany
- ✓ **Reliable protection**  
against particle inflow
- ✓ **Economical**  
no expensive and complicated  
cartridge changes
- ✓ **Backwashes automatically**  
with timer controlled backwash
- ✓ **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 58.

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

### Automatic backwash protective sediment filter (time controlled)

- ✚ With silver coated, 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:** Filter housing made of high-quality plastic PN 16; built-in rotary flange with patented 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 time-dependent triggering of backwashing can be selected: hour, day, week, month, manual triggering are possible. With servomotors, electrical control with function and fault display (light diode and buzzer). Backwashing based on point rotation system with simultaneous cleaning of the inspection bell, including plug-in power supply.

**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	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 rate 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	8020104	8020105	8020106	8307012	8307013

Versions with non-standard mesh sizes (not silver coated)	JPF+ -AT	JPF+ -AT	JPF+ -AT	JPF+ -AT	JPF+ -AT
Pipe connection	3/4"	1"	1 1/4"	1 1/2"	2"
Mesh size 30 µm/0.03 mm	8020114	8020115	8020116	8025002	8025012
Mesh size 320 µm/0.32 mm	8020117	8020118	8020119	8025003	8025013
Mesh size 500 µm/0.5 mm	8020120	8020121	8020122	8025004	8025014

Made in Germany	Stable plastic housing	Proven quality	Inspection glass	Especially hygienic	LED display

	<b>Ag</b>			
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 ¾" - 2"

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







- With silver coated, 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:** Filter housing made of high-quality plastic PN 16; built-in rotary flange with patented 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 time-controlled as well as differential pressure-dependent triggering of backwashing through pressure switch (adjustable differential pressure up to max. 1 bar), manual triggering through button is also possible. With servomotor, electronic controller with function and fault display (light diode and buzzer), backwashing based on point rotation system with simultaneous cleaning of the inspection bell, including plug-in power supply.

**ATP control:** as per type AT with additional differential pressure control for backwash start-up (differential adjustable up to 1 bar).

Type	JPF+ -ATP	JPF+ -ATP	JPF+ -ATP	JPF+ -ATP	JPF+ -ATP
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 rate 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	8020107	8020108	8020109	8020069	8020073

Versions with non-standard mesh sizes (not silver coated)	JPF+ -ATP	JPF+ -ATP	JPF+ -ATP	JPF+ -ATP	JPF+ -ATP
Pipe connection	¾"	1"	1¼"	1½"	2"
Mesh size 30 µm/0.03 mm	8020123	8020124	8020125	8020070	8020074
Mesh size 320 µm/0.32 mm	8020126	8020127	8020128	8020071	8020075
Mesh size 500 µm/0.5 mm	8020129	8020130	8020131	8020072	8020076

					
Made in Germany	Stable plastic housing	Proven quality	Inspection glass	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 ¾" - 1¼"

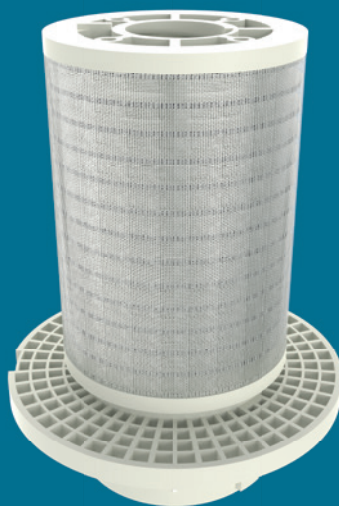
- ✓ **Quality assured**  
made in Germany
- ✓ **Reliable protection**  
against particle inflow
- ✓ **Economical**  
no expensive and complicated cartridge changes
- ✓ **Backwashes automatically**  
with timer and pressure differential control
- ✓ **Efficient**  
effective backwash thanks to point rotation 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 58.

# JUDO PREMIUM LINE DN 65 - 100

## Tried and proven PROFI DN 65 - 100

The larger, backwashable JUDO filter with flange connection completes the PROFI 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.

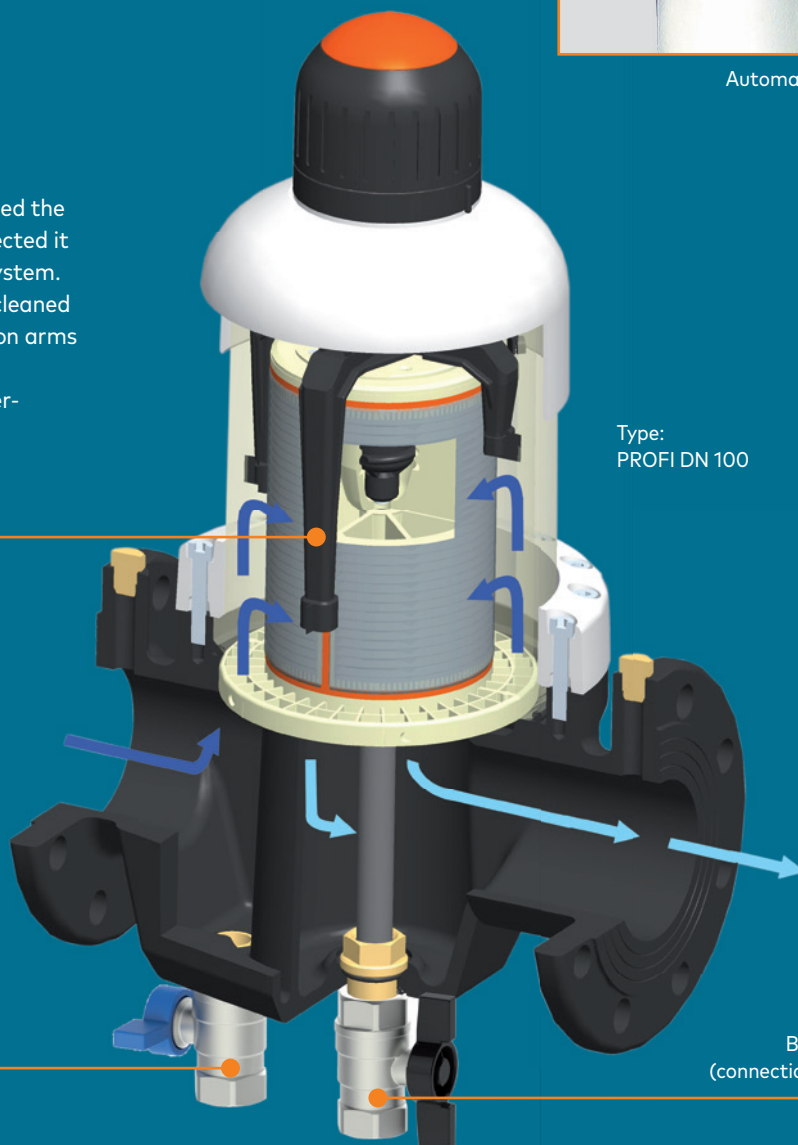


Stainless steel filter  
with longlife sieve



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.



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

Backwash flush valve  
(connection to drain required)



# JUDO PROFI DN 65 - 200

## Backwash protective sediment filter

✚ With silver coated, 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)

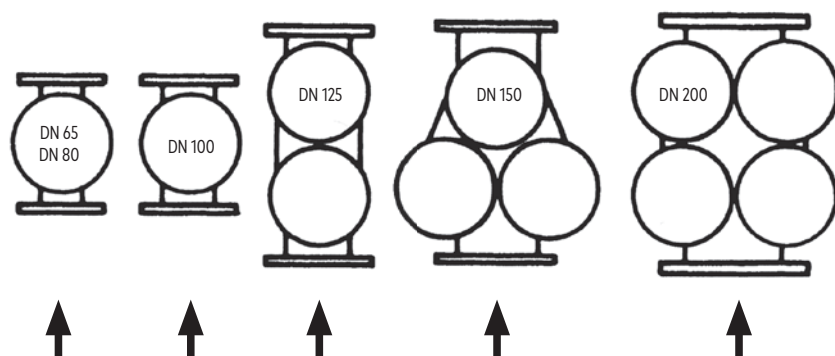
**Scope of delivery:** Filter base made of cast iron, PVC coated for corrosion protection, PN 10 (DN 65 = PN 16). Flange connection to EN 1092-2; silver-plated filter screen made of stainless steel; backwashing using handwheel with the proven point rotation system offering optimal bacterial growth protection 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 rate 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 coated)	JPF	JPF	JPF	JPF	JPF	JPF
Pipe connection	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200
Mesh size 30 µm/0.03 mm	8015022	8010060	8010061	8290010	8290011	8290012
Mesh size 320 µm/0.32 mm	8015023	8010038	8010040	8010042	8010044	8010046
Mesh size 500 µm/0.5 mm	8015024	8010039	8010041	8010043	8010045	8010047

						<b>Ag</b>		
Made in Germany	Proven quality	Inspection glass	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

\*\* only for Type JPF DN 65 - 100

Installation dimensions see page 58.



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
- ✓ **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 59.

## JUDO PROFIMAT-AT DN 65 - 100

### Automatic backwash protective sediment filter (time controlled)



With silver coated, 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)

**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 up, incl. drive motor, electronics board and functions/error LEDs.

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.

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 rate 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	8307014	8020033	8020034

Versions with non-standard mesh sizes (not silver coated)	JPF-AT	JPF-AT	JPF-AT
Pipe connection	DN 65	DN 80	DN 100
Mesh size 30 µm/0.03 mm	8025022	8020057	8020059
Mesh size 320 µm/0.32 mm	8025023	8020041	8020043
Mesh size 500 µm/0.5 mm	8025024	8020042	8020044

						<b>Ag</b>		
Made in Germany	Proven quality	Inspection glass	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-ATP DN 65 - 200

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



With silver coated, 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)

**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 1 bar) manual start up, incl. drive motor, electronics board and functions/error LEDs and differential pressure control, backwash using the proven point rotation system offering optimal bacterial growth protection and cleaning of filter bell with no interruption to the water supply.

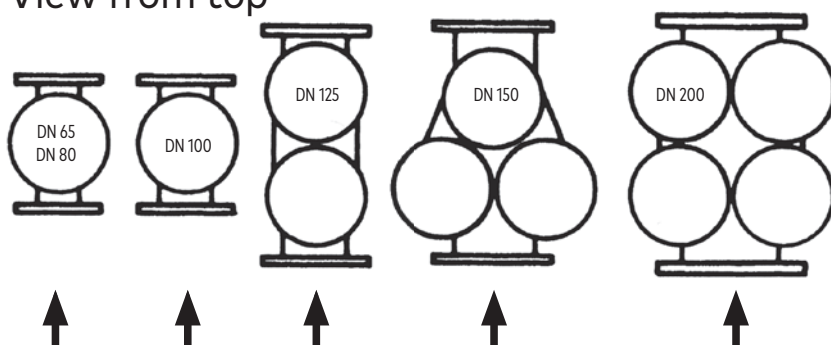
**Scope of delivery Type JPF-ATP DN 125 - 200:** Filter base made of high grade cast iron PN 10, PVC coated for corrosion protection; flange connection to EN 1092-2; silver-plated filter screen made of stainless steel; backwashing using the proven point rotation system and cleaning of viewing bell; differential 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	JPF-ATP	JPF-ATP	JPF-ATP	JPF-ATP	JPF-ATP
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 rate 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	8020038	8020039	8020040	8320025	8320026	8320027

Versions with non-standard mesh sizes (not silver coated)	JPF-ATP	JPF-ATP	JPF-ATP	JPF-ATP	JPF-ATP	JPF-ATP
Pipe connection	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200
Mesh size 30 µm/0.03 mm	8020078	8020058	8020060	8320010	8320011	8320012
Mesh size 320 µm/0.32 mm	8020045	8020047	8020049	8020051	8020053	8020055
Mesh size 500 µm/0.5 mm	8020046	8020048	8020050	8020052	8020054	8020056

Made in Germany	Proven quality	Inspection glass	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-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)
- ✓ **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 59.

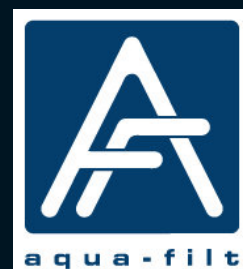
The PREMIUM range

**JUDO WATER TREATMENT.** A NAME YOU CAN TRUST.  
SINCE 1936.

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

Az Ön magyarországi partnere:

Aqua-Filt Kft.  
Shop: H 9400 Sopron, Faller Jenő u. 12.  
Webshop: [www.aqua-filt.hu](http://www.aqua-filt.hu)  
E-mail ajánlatkérés / megrendelés: [tervezes@aqua-filt.hu](mailto:tervezes@aqua-filt.hu)



1931505 · 012110 · JD · DHW