

Installation and Operating Instructions

JUDO JUKO-LongLife $\frac{3}{4}$ " - 2"

Domestic water station

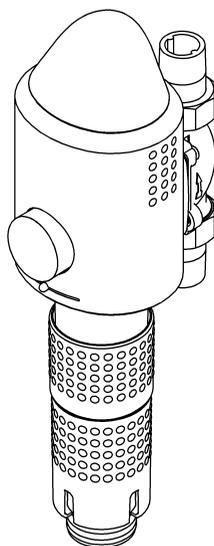
Model JUKO-LF

Valid for: Canada

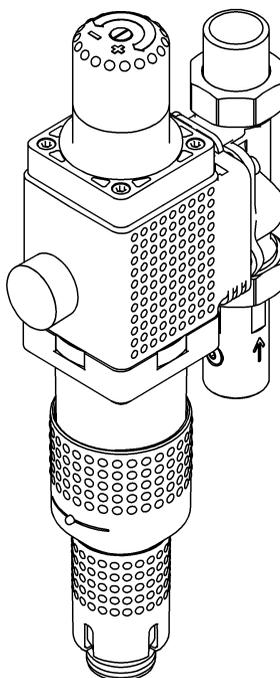
Attention:

Carefully read through the installation and operating instructions and safety information before installing and putting the unit into service.

These instructions must always be issued to the owner/user.



JUKO-LF $\frac{3}{4}$ " - 1 $\frac{1}{4}$ "



JUKO-LF 1 $\frac{1}{2}$ " - 2"



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Dear Customer,

Thank you for the confidence you have shown in us by purchasing this unit. With this domestic water station you have purchased a state of the art unit.

This domestic water station is suitable for use in cold drinking water up to a maximum ambient temperature of 30 °C (86 °F).

This domestic water station is used in drinking water installations for filtering and reducing the pressure of drinking water. An inlet pressure of max 16 bar can be adjusted to a discharge pressure of 217.5 psi (1500 kPa) to 90 psi (600 kPa). The discharge pressure set in the factory is 60 psi (400 kPa).

Each unit is thoroughly checked before delivery. However should difficulties occur, please contact the responsible customer service. See back page.

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1. About this Instruction Manual



(see chapter "Safety information and dangers due to non-compliance")

The instruction manual must be permanently available at the place in which the domestic water station is used.

This instruction manual is intended to make it easier to familiarize yourself with the domestic water station and its possible intended uses.

The instruction manual contains important information in order to safely, properly and economically run the domestic water station.

It contains fundamental information, which must be observed during installation, operation and maintenance. Observance of this information helps to avoid dangers, reduce repair costs and increase the reliability and service life of the domestic water station.

The instruction manual must be read and used by each person entrusted with carrying out work on the domestic water station, for example:

- **Installation**
- **Operation**
- **Maintenance**
(servicing, inspection, repair)

Installation and maintenance may only be carried out by personnel authorized by the manufacturer, who are capable of fulfilling the instructions given in the installation and operating instructions and the country-specific regulations.

Apart from the instruction manual and the legally binding accident prevention provisions applicable in the country and place of use, the recognized technical regulations for safe and proper work must also be observed.

Therefore, this instruction manual must always be read by the fitter and responsible skilled personnel/owner or operator before installation, commissioning and maintenance.

Not only the general safety notes given in the chapter on “Intended Use” are to be observed, but also the special safety notes inserted under the other main items.

1.1 Symbols used

The safety notes contained in this instruction manual are labelled with the following symbols:

 **ATTENTION**  Notes on existing dangers

 Warning, electrical voltage

 Torques specified by the manufacturer.

 Tips for use and other information.

Notes directly attached to the domestic water station, e.g.

- Direction of flow (see fig. 1)
- Rating plate
- Cleaning information

must always be observed and kept in a fully legible condition.

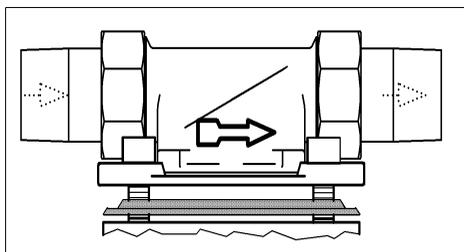


Fig. 1: Built-in rotary flange

1.2 Safety information and dangers due to non-compliance

In detail, failure to observe the general danger symbols can result, for example, in the following risks:

- Failure of important functions of the domestic water station.
- Danger to persons due to electrical and mechanical effects.
- Danger to persons and the environment due to leaks.

Refrain from any unsafe working methods.

Failure to comply with this instruction manual and the safety information can not only result in dangers for people but can also harm the environment and the unit.

1.3 Units used

In derogation of the International System of Units (SI = System International), the following units are used:

Units	Conversion
°F	°F = 9/5 °C + 32
psi	kPa = 0.001 N/mm ²
gpm	1 m ³ /h = 4.4 gpm
¾"	DN 20
1"	DN 25
1¼"	DN 32
1½"	DN 40
2"	DN 50

2. Intended Use

Installation and use of the domestic water station are each subject to the applicable national regulations.

In addition to the operating instructions and the obliging regulations concerning accident prevention that exist in the country of operation and the location of use, the established technical regulations concerning safe and professional work, should also be observed.

The water to be filtered must possess quality of drinking water!

It is absolutely essential that the manufacturer / supplier will be consulted prior to any operation of the device using water of a different quality, respectively with water that contains additives.

This domestic water station is suitable for use in cold drinking water up to maximum ambient temperature of 30 °C (86 °F).

It is produced to state of the art standards and the generally accepted safety regulations in Germany.

The domestic water station may only be used as described in the instruction manual. Any other or further use is deemed not to be intended use.

Additional dangers exist in case of non-intended use and failure to observe the danger symbols and safety information. The manufacturer/supplier are not liable for any losses or damage resulting from this. The risk is solely borne by the user.

Intended use also includes observing the instruction manual.

The manufacturer/supplier must always be consulted before using the domestic water station outside the use limitations given in the instruction manual.

The domestic water stations are only to be used in a technically perfect condition, for their intended use, safely and aware of the dangers and with full observance of the instruction manual!

Have any malfunctions corrected immediately!

2.1 Water Pressure

The water pressure should be between 22 psi (150 kPa) and 150 psi (1000 kPa).

This domestic water station is used in drinking water installations for filtering and reducing the pressure of drinking water. An inlet pressure of max 232 psi (1600 kPa) can be adjusted to a discharge pressure of 15 bar to 6 bar. The discharge pressure set in the factory is 4 bar.

2.2 Instructions Concerning Specific Dangers

2.2.1 Electrical equipment / installations



There must not be any electrical cables and devices underneath or in the immediate vicinity of the domestic water station!

Electrical devices / equipment that are not splash-water proof and are situated in the direct vicinity of the domestic water station may be damaged by water leaking from the domestic water station caused as a result of the device not being operated in accordance with the manufacturer's specifications. In addition this may also result short circuits if these electrical devices / equipment being connected to the electrical power supply. In the event of such cases persons are at risk and may sustain electrical shocks. Therefore any electrical devices / equipment situated in the direct vicinity should be splash-water proof, respectively comply with the statutory requirements for wet areas (IP44).

3. Product Information

3.1 Intended purpose

This domestic water station is suitable for use in cold drinking water up to a maximum water temperature of 30 °C (86 °F).

This domestic water station is used in drinking water installations for filtering and reducing the pressure of drinking water.



(see chapter “Safety information and dangers due to non-compliance”)

Please refer to the chapter on “Units used” for use restrictions.

This domestic water station is used to protect the water pipes and hot water heater against limescale deposits.

This domestic water station removes coarse and fine-grained particles from the water which are larger than or equal in size to the mesh size of the domestic water station.



Particles smaller than the supplied mesh size and impurities causing turbidity cannot be filtered out of the water.

3.2 Materials used

The materials used are resistant to the physical, chemical, and corrosive loads to be expected in the drinking water. All materials are hygienically and physiologically safe. Plastics (KTW recommendations) and metallic materials fulfil the requirements of the BgVV (German Federal Institute for Consumer Health Protection and Veterinary Medicine).

4. Installation

4.1 General



(see chapter “Safety information and dangers due to non-compliance”)

The unit may only be installed by skilled personnel.

The chapter on “Units used” must always be observed!

The pipes must be able to safely support the domestic water station.

Otherwise mechanical damage or fractures/bursts can occur in the pipes. This can result in major water damage. People close to the domestic water station are exposed to a health risk due to the large quantities of water released. Therefore, if necessary, the pipes must be additionally fixed or supported.

For convenient operation and maintenance it is absolutely necessary to ensure the given spacings (see chapter “Discharging the backwashing water”).

A space of at least 200 mm (8 inch) should be maintained above and below the domestic water station. These distances are necessary to be able to properly carry out the backwashing (see chapter “Backwashing”).

(see chapter “Modifications / changes / spare parts”)

4.1.1 Requirements for the place of installation

The room where the unit is installed must be dry and frost free!

Unauthorised persons must not have access to the domestic water station!



(see chapter “Safety information and dangers due to non-compliance”)

- The ambient temperature must not exceed 30 °C (86 °F)! At higher temperatures or direct sun radiation the material can be damaged and the filter hood can even break.
- In order to be able to safely discharge the wastewater in operation and in case of any defects that occur in the system, precise compliance with the details given in the “Installation” chapter is necessary!
- If the wastewater (backwashing) cannot be safely and completely discharged, the house and installations can be damaged by water.
- A shut-off valve must be installed upstream and downstream of the domestic water station with a bypass to allow continued water supply when the domestic water station is out of service! This enables the water supply to the domestic water station to be interrupted during installation, servicing/maintenance, repairs and in case of malfunctions. Floods and serious water damage to house installations can therefore be avoided.
- The unit can be installed in all standard drinking water pipes.
- It is not permitted to install the domestic water station **upstream** of the water meter!

4.1.2 Installed position



(see chapter “Safety information and dangers due to non-compliance”)

Always install the domestic water station in a vertical position ($\pm 5^\circ$)!

Failure to observe this can cause uncontrolled backwashing water to escape and can result in damage caused by water.

4.1.3 Mounting the built-in rotary flange

Install using the supplied built-in rotary flange. The built-in rotary flange is used as a connecting element between the pipe and the domestic water station.

It is suitable for both horizontal and vertical pipes.

The built-in rotary flange must be installed in the direction of flow. This is marked by an arrow on the flange.

Failure to comply with this means the domestic water station cannot work.



(see chapter “Safety information and dangers due to non-compliance”)

The flange surface of the built-in rotary flange must be in a vertical position! The built-in rotary flange must be fitted so that mechanical stresses cannot occur! Otherwise mechanical damage can result in the built-in rotary flange. Otherwise mechanical damage can result, the pipe may burst or the built-in rotary flange can break. This can result in major water damage.

In this case, people close to the domestic water station are exposed to a health risk due to the large quantities of water.

Therefore, during installation, ensure that no large forces act on the pipe, built-in rotary flange and domestic water station.



(see chapter “Safety information and dangers due to non-compliance”)

The section of the profiled flange gasket must point towards the built-in rotary flange. Failure to observe this can lead to leaks and water escaping. This can in turn cause water damage to the house and its installations.

4.1.4 Installing the Domestic water station

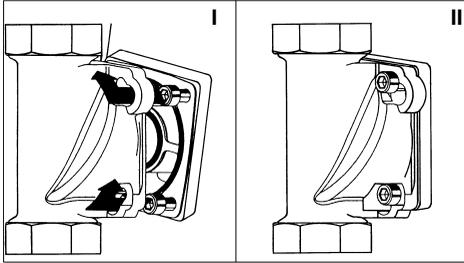


Fig. 2: built-in rotary flange with Bayonet Fixture

The built-in rotary flange for the domestic water station is supplied with bayonet drill holes. The necessary seals and screws for this domestic water station have already been mounted.

Do not unscrew the screws!

- Insert the four flange screws in the bayonet drill holes on the built-in rotary flange (see fig. 2 I).
- Turn the domestic water station in a clockwise direction as far as it will go (see fig. 2 II).
- Tighten the four flange screws.



Select the torque (approx. 4 Nm) so that the gasket closes and the domestic water station is not damaged or strained!

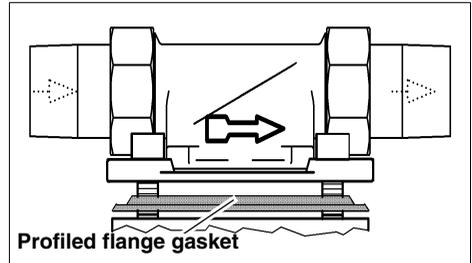


Fig. 3: built-in rotary flange

4.2 Discharging the backwashing water



(see chapter “Safety information and dangers due to non-compliance”)

For the backwashing water a wastewater connection (for example a floor drainage) in accordance with DIN 1986 must be in place. If there is no wastewater connection an appropriately sized bucket can be used.

The dimensioning depends on the local circumstances (e.g. wastewater pipe gradient, number of pipe bends, length of the wastewater pipe, etc.). The dimensioning must at least allow all the wastewater to be discharged at the same time. If it is not possible to provide a wastewater connection directly beneath the domestic water station, the flushing water can be fed several metres to the next wastewater connection, either through a hose or a pipe to be fitted to the flushing water valve. This pipe must have the same dimension as the flushing water valve.

In all options, a free discharge must be ensured in accordance with DIN EN 1717.

The following points must be noted if a bucket is used for backwashing:

- If the mains pressure is high, water can splash out of the bucket. In this case, damage to property close to the domestic water station is possible.
- When the bucket is half-filled the backwashing process must be stopped. Otherwise it is possible for the bucket to overflow. Therefore the bucket must be adequately dimensioned and the backwashing should be carried out quickly.

4.2.1 Backwashing water discharge options

JUKO-LF 3/4" – 1 1/4"

JUKO-LF 1 1/2" – 2"

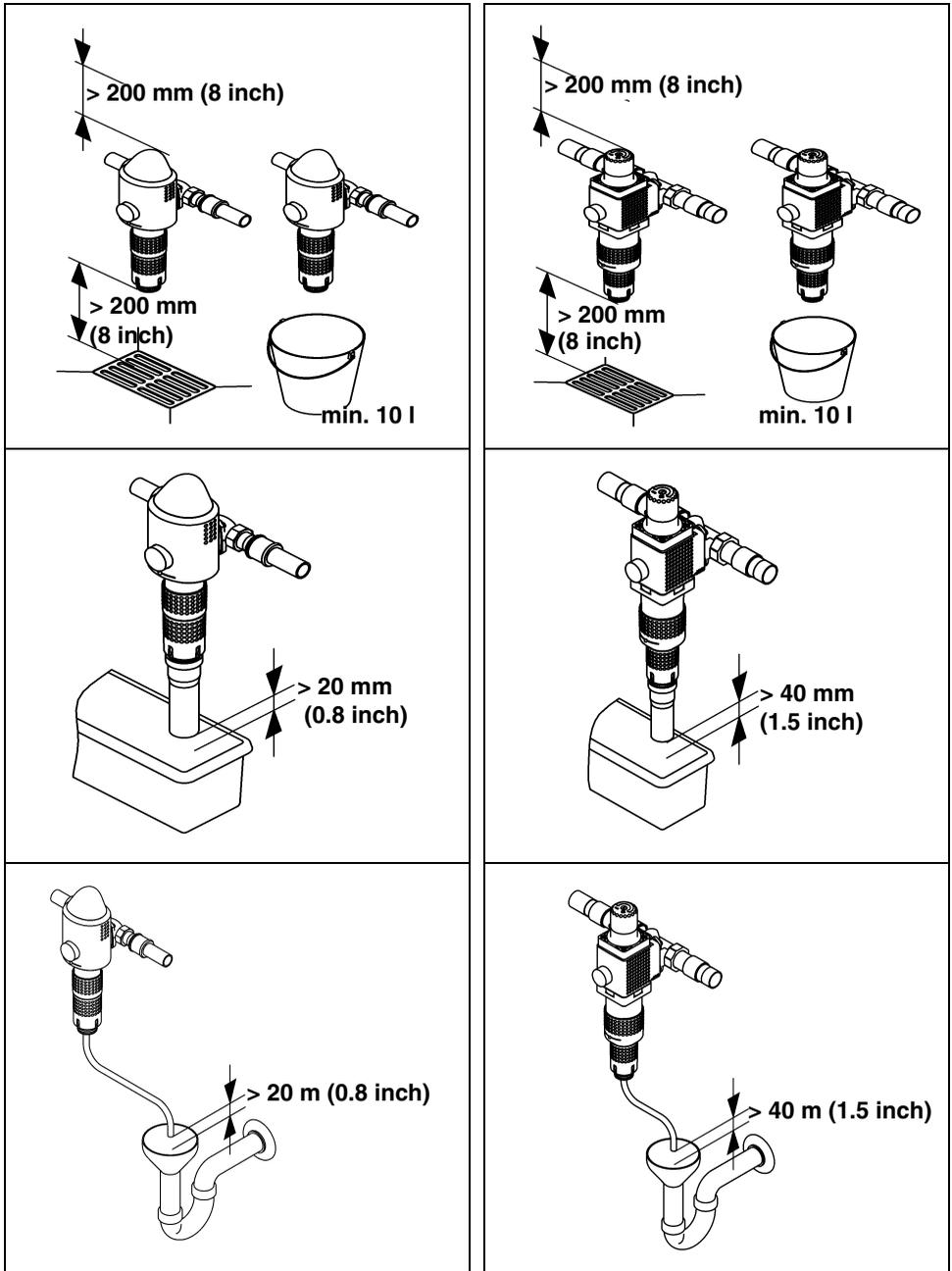


Fig. 4: Backwashing water discharge options

5. Operation



(see chapter "Safety information and dangers due to non-compliance")

Always observe the chapter on "Intended Use"!

5.1 Commissioning

Before starting up (initial putting into service or startup after maintenance work), fill the domestic water station with water and vent!

- To this end, after installation the domestic water station is filled with water by opening the upstream shut-off valve.
- The domestic water station is now at the same pressure as the water system.
- The enclosed air must then be immediately removed from the domestic water station in order to avoid damage to the installation caused by pressure surges. The domestic water station is vented by means of backwashing (see chapter "Discharging the backwashing water").
- After backwashing and venting the domestic water station is ready for use.

5.2 Pressure setting

Change the factory-set pressure of 60 psi (400 kPa):

- Remove the pressure reducer cover, in JUKO-LF-A $\frac{3}{4}$ " - $1\frac{1}{4}$ ".
- Undo the countersunk screw on the pressure reducer handwheel.
- Turn the handwheel in a clockwise direction = increase pressure.
- Turn the handwheel in an anti-clockwise direction = reduce pressure.
- The pressure can be set within the range 22 - 88 psi (150 - 600 kPa).
- Briefly open an extraction point behind the domestic water station, this relieves the pressure and the set pressure can be read off.
- As soon as the required setting range is reached retighten the countersunk screw on the pressure reducer handwheel.
- Fixing the countersunk screw of the pressure reducer handwheel prevents the setting range from changing by itself.

5.3 Functional description

The unfiltered water flows through the built-in rotary flange (1) into the domestic water station. The water flows through the fine filter from the outside inwards. The filtered dirt is retained by the mesh of the fine filter screen. The retained dirt can be seen

from the outside through the transparent filter cover (4). The filter water flows on into the pressure reducer (5). The downstream pressure set can be read off at the manometer (6). The filtered water then leaves the domestic water station through the built-in rotary flange (1).

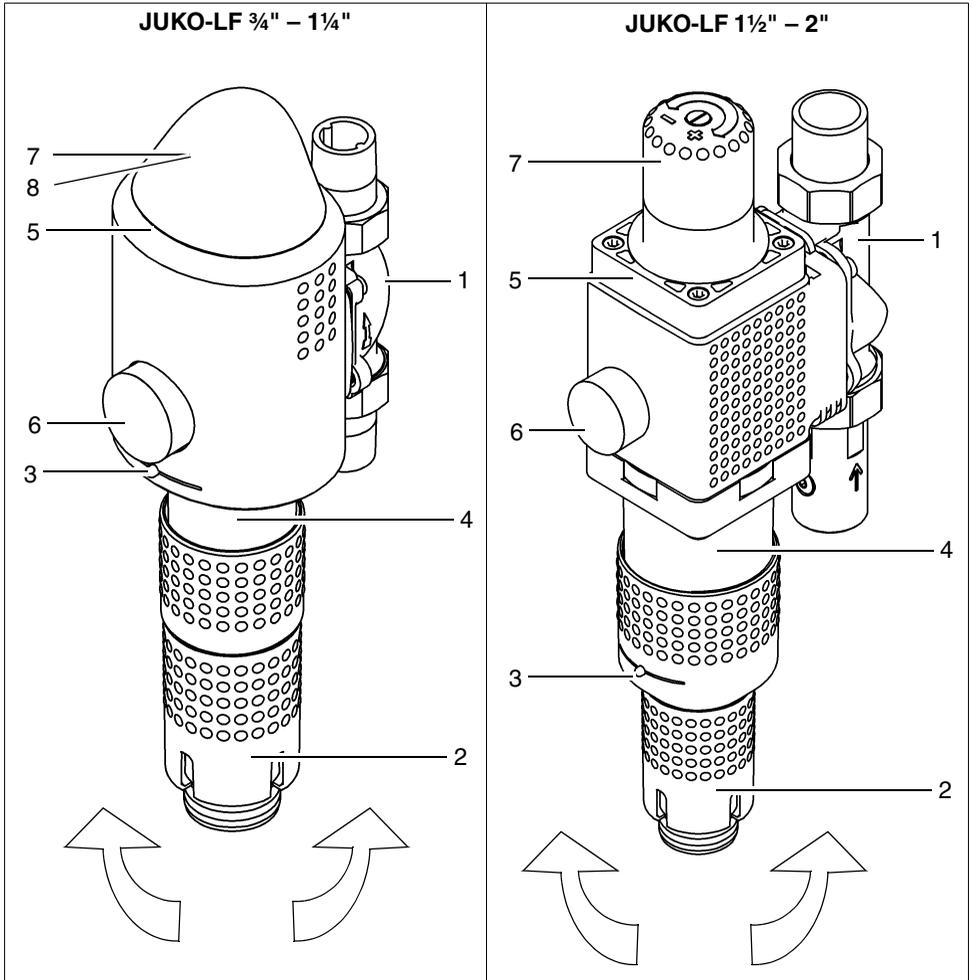


Fig. 5: Functional description

- | | |
|---|--|
| <ul style="list-style-type: none"> 1 Built-in rotary flange 2 Handwheel for free discharge 3 Display button 4 Filter cover 5 Pressure reducer 6 Manometer | <ul style="list-style-type: none"> 7 Pressure reducer handwheel 8 Pressure reducer cover
JUKO-LF 3/4" - 1 1/4" |
|---|--|

JUKO-LF ¾" - 1¼":

The filter contains a silver-plated suction pipe unit located at the sieve insert of the protective filter for an optimum prophylactic germ protection. If the prophylactic germ protection shall remain durably, the suction pipe unit has to be replaced after one year by trained personal. The function of the filter, however, is unlimited.

5.4 Backwashing

The domestic water station must be backwashed (=cleaned) at the specified cycles in order to remove the filtered dirt from the fine filter screen.

 All sizes of domestic water station are backwashed with treated water. The supply of treated water to the domestic water station is maintained throughout the backwashing process. Dirty water cannot get into the clean water side during backwashing.

A complete backwashing process is carried out by turning the handwheel through a full turn. At the same time the handwheel ensures free discharge.

When the handwheel is rotated in any direction three suction pipes rotate around the fine filter screen.

At the same time a patented ceramic flushing valve on the underside of the domestic water station opens so that the backwashing water can flow out. The treated water flows from the inside outwards through the screen into the suction pipe, taking the adhering particles with it. **During this time treated water flows out.** The fine filter screen is cleaned. At the same time the inside of the transparent filter cover is cleaned together with the wiper lips of the suction pipe.

Immediately continue turning the handwheel until it audibly locks into place.

The ceramic flushing valve thus closes again and the backwashing process is completed.

This backwashing process can be repeated if necessary.

 The degree of pollution as well as the cleaning off operation can be watched from outside.



(see chapter "Safety information and dangers due to non-compliance")

This backwashing process must be carried out until the audible locking into place of the handwheel. If the locking process is discontinued before the audible locking into place the ceramic flushing valve is not fully closed.

Water permanently escapes as a result. Apart from high water consumption, this can also cause water damage, especially if the backwashing water is not discharged as described in the chapter "Discharging the backwashing water".

5.4.1 Backwashing interval

The domestic water station must be backwashed:

- Every two months at the latest.
- If the water pressure falls.
- If the domestic water station is visibly dirty.

 There is a display button (3) attached to the domestic water station. It can be slid along the months scale. This enables the backwashing interval to be monitored.



(see chapter “Safety information and dangers due to non-compliance”)

If the interval until the next backwashing is longer than two months, the particles on the filter screen can stick or a large filter pressure resistance can result.

Unauthorised persons must not operate the domestic water station! Persons who operate the domestic water station must observe the operating instructions. Failure to observe these instructions can result in damage to property and personal injuries.

Experience shows that increased dirt is deposited during the initial running period. If so, the unit has to be flushed more often than usual.

Failure to flush in good time can cause damage to the screen. Larger quantities of filtered particles can deform the screen and as an extreme incident cause the tearing of the sieve. As a result a filter function is not any longer ensured. In addition, larger quantities of dirt can cause mechanical impairment concerning the backwashing function.

5.5 Modifications / changes / spare parts



(see chapter “Safety information and dangers due to non-compliance”)

Only original spare parts are to be used!

Arbitrary modifications and changes are prohibited for safety reasons! They can impair the function of the domestic water station, lead to leaks and as an extreme incident they can lead to the bursting of the domestic water station.

The imprinted test marks are only valid if original spare parts are used.

5.5.1 Servicing / Repair

Before carrying out any work on the domestic water station, which extends beyond pure operational control, the domestic water station must be depressurised! Failure to observe this can lead to an uncontrolled escape of water and therefore lead to water damage in the building. Strictly comply with the instructions given in the “Installation” and “Maintenance” chapters.

5.6 Stoppages



(see chapter “Safety information and dangers due to non-compliance”)

If a domestic water station has to be removed from the flange or unscrewed, the chapter “Units used” must always be observed!

- Protect the flange surfaces from damage! Damaged flanged surfaces cannot close tight any longer. As a result, escaping water can damage the building and installations.
- Ensure that no dirt can get into the domestic water station! This dirt can get in-

to contact with and be discharged into the drinking water when the domestic water station is switched back on. The health of people who drink dirty water is at risk.

- Store the domestic water station in frost-free conditions! Frost can cause any water contained in the domestic water station's voids to freeze and thus cause mechanical damage to the domestic water station so that it leaks at operating pressure or can burst. Leaking water can cause major damage to the building. In addition, people near the domestic water station can be injured by breaking off filter parts.
- When restarting the domestic water station, follow the instructions for a new domestic water station.

6. Faults

The opening of the units and the replacement of the water pressure charged parts may only be effected by authorized personal in order to ensure the unit security and its tightness.

Help with faults:

Fault	Cause	Remedy
Backwashing water continues running!	Ceramic flushing valve not fully closed.	Repeat the backwashing and then turn the handwheel until it locks into place!
	Dirt in the ceramic flushing valve.	
Water flow rate falls!	Screen is blocked.	Carry out backwashing.
Leaks in the domestic water station!		Inform the fitter or nearest customer service centre. (The filter cover must be replaced immediately.)
Filter cover becomes turbid!	Filter cover has been exposed to high temperatures or solvents.	
Hairline cracks on the filter hood!		
Downstream pressure slowly rises when no water flowing!	Impermissible increase in pressure due to service water heating	Check the safety valve of the hot water boiler. Inform the fitter or nearest customer service centre.
	Wear in the pressure reducer cartridge.	

7. Maintenance



ATTENTION



(see chapter "Safety information and dangers due to non-compliance")

Always observe the chapter on "Intended Use"!

7.1 Cleaning



ATTENTION



(see chapter "Safety information and dangers due to non-compliance")

Use only clear, drinking water concerning the cleaning of the housing and the transparent filter hood.

Domestic all-purpose cleaners and glass cleaners can contain up to 25 % solvents or alcohol (spiritus).

These substances can chemically attack the plastic parts, which can lead to brittleness right up to [brittle] fractures.

These kinds of cleaners must therefore not be used.

8. Warranty and Services

In order to comply with the legal warranty claim, according to DIN EN 806-5, it is necessary that the "... backwashing takes place according to the existing operating conditions, at the latest, however, every two months ...".

Further, an annual "... check of the set discharge pressure at the pressure gauge (visual check) when no water is flowing and at the peak flow (large amount drawn off) ..." is necessary.

Regular servicing is indispensable in order to continue to achieve a successful process for many years after the unit is put into service. In the building services sector this is covered by DIN EN 806-5.

A servicing agreement is the best way to ensure a good operating function beyond the warranty period.

Wherever possible, the regular servicing work and supply with consumables and wearing materials, etc. should be carried out by the specialist trade or the factory's customer service department.

9. Data Sheet

9.1 Type

JUDO JUKO-LongLife domestic water station

Abbreviated name: JUKO-LF

9.2 Models

Model	Order No.
JUKO-LF ¾"	8170280
JUKO-LF 1"	8170281
JUKO-LF 1¼"	8170282
JUKO-LF 1½"	8170283
JUKO-LF 2"	8170284

9.3 Technical specifications

The following applies for all the models of the device:

- Maximum ambient temperature and water temperature: 30 °C (86 °F).
- **The water to be filtered must possess quality of drinking water!**
- Threaded connection to DIN 2999.

Nominal Pressure

Model	Operating Pressure	Nominal Pressure
JUKO-LF ¾" – 2"	22 - 150 psi (150 - 1000 kPa)	PN 16

The nominal pressure denotes the pressure class, according to which the domestic water station must fulfil the requirements to DIN EN 13443-1, DIN 19628 and DIN EN 1567. The maximum operating pressure is lower, in order to ensure the optimum function of the domestic water station.

Weight

Model	Weight
JUKO-LF ¾"	2.6 kg
JUKO-LF 1"	2.7 kg
JUKO-LF 1¼"	3.2 kg
JUKO-LF 1½"	8.1 kg
JUKO-LF 2"	8.6 kg

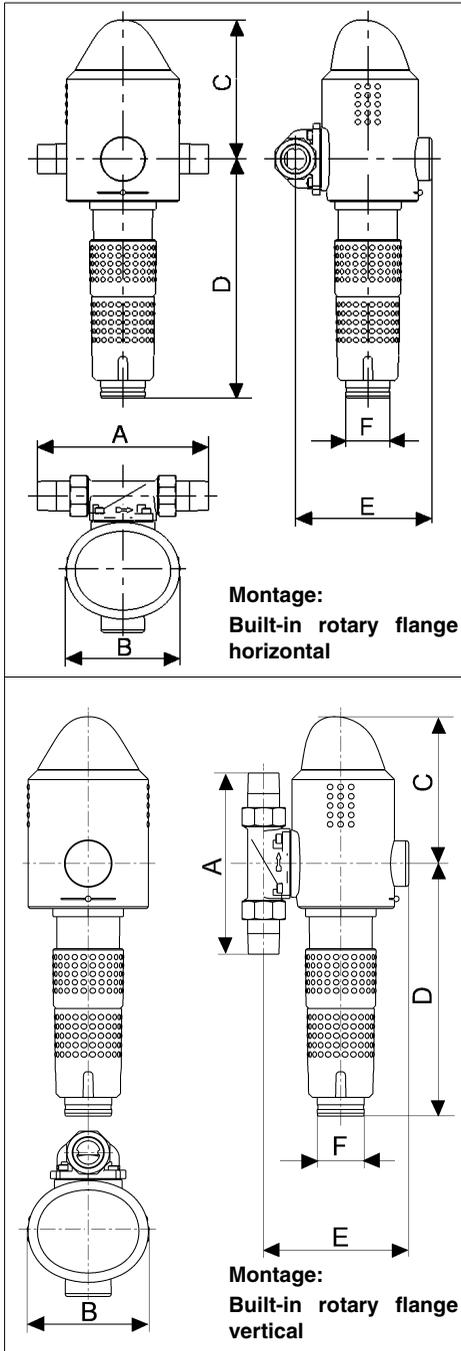
Water flow rate

Model	Water flow rate up to
JUKO-LF ¾"	2.3 m³/h (9.4 gpm)
JUKO-LF 1"	3.0 m³/h (14.8 gpm)
JUKO-LF 1¼"	5.0m³/h (23.8 gpm)
JUKO-LF 1½"	9.1 m³/h (40 gpm)
JUKO-LF 2"	14.0 m³/h (61.5 gpm)

Back-flush Volume Stream

Model	Back-flush Volume Stream
JUKO-LF ¾"	0.3 l/s (5 gpm)
JUKO-LF 1"	0.3 l/s (5 gpm)
JUKO-LF 1¼"	0.3 l/s (5 gpm)
JUKO-LF 1½"	0.3 l/s (5 gpm)
JUKO-LF 2"	0.3 l/s (5 gpm)

The backwashing volumetric flow given applies to 29 - 44 psi (200 - 300 kPa) mains pressure and for a completely opened flushing water valve.

9.4 Installed dimensions $\frac{3}{4}$ " - $1\frac{1}{4}$ "

Model	A	B	C	D	E	F
JUKO-LF $\frac{3}{4}$ "	180 (7.0)	130 (5.2)	158 (6.2)	271 (10.8)	155 (6.2)	50 (2)
JUKO-LF 1"	195 (7.5)	130 (5.2)	158 (6.2)	271 (10.8)	155 (6.2)	50 (2)
JUKO-LF $1\frac{1}{4}$ "	230 (9.0)	130 (5.2)	158 (6.2)	271 (10.8)	160 (6.4)	50 (2)

All dimensions in mm (inch) (see fig. 6)

A = Fitting length

B = unit width

C = Height above pipe centre

D = Height below pipe centre

E = Depth to pipe centre

F = Connection dimension waste water

Fig. 6: Installed dimensions $\frac{3}{4}$ " - $1\frac{1}{4}$ "

9.5 Installed dimensions 1½" - 2"

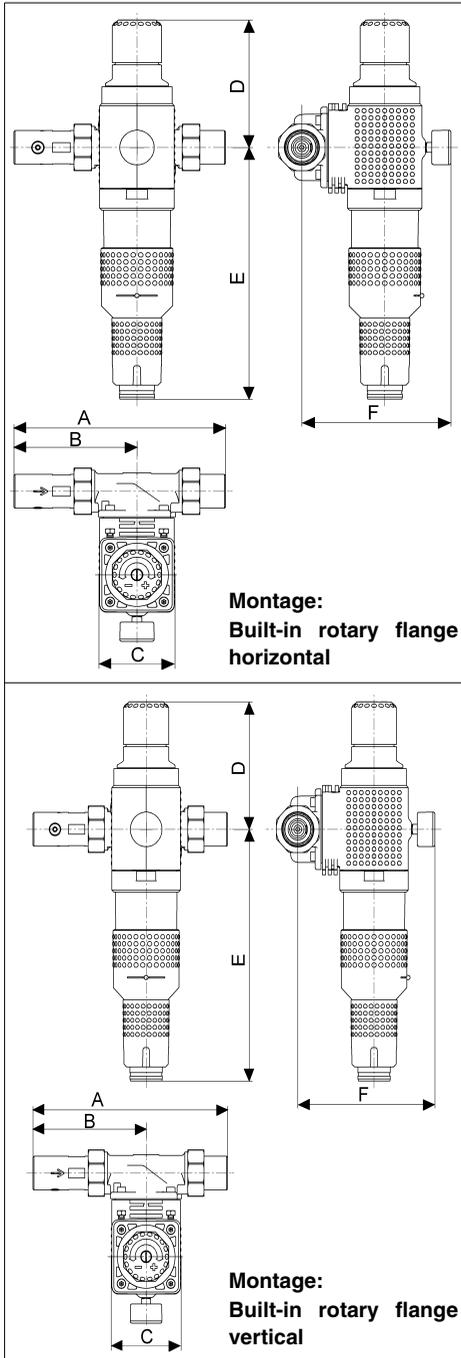


Fig. 7: Installed dimensions 1½" - 2"

Model	A	B	C	D	E	F	G
JUKO-LF 1½"	301 (12.0)	175 (7.0)	108 (4.5)	181 (7.2)	356 (14.2)	50 (2)	213 (8.5)
JUKO-LF 2"	335 (13.4)	195 (7.5)	108 (4.5)	181 (7.2)	356 (14.2)	50 (2)	220 (8.8)

All dimensions in mm (inch) (see fig. 7)

A = Fitting length

B = Length on inlet side

C = unit width

D = Height above pipe centre

E = Height below pipe centre

F = Connection dimension waste water

G = Depth to pipe centre

9.6 Scope of supply

- Pre-installed domestic water station
- Installation and Operating Instructions

JUKO-LF ¾" – 1¼":

1 x Built-in rotary flange JQE ¾", 1" or 1¼" with bayonet fixture and screw connection

JUKO-LF 1½" – 2":

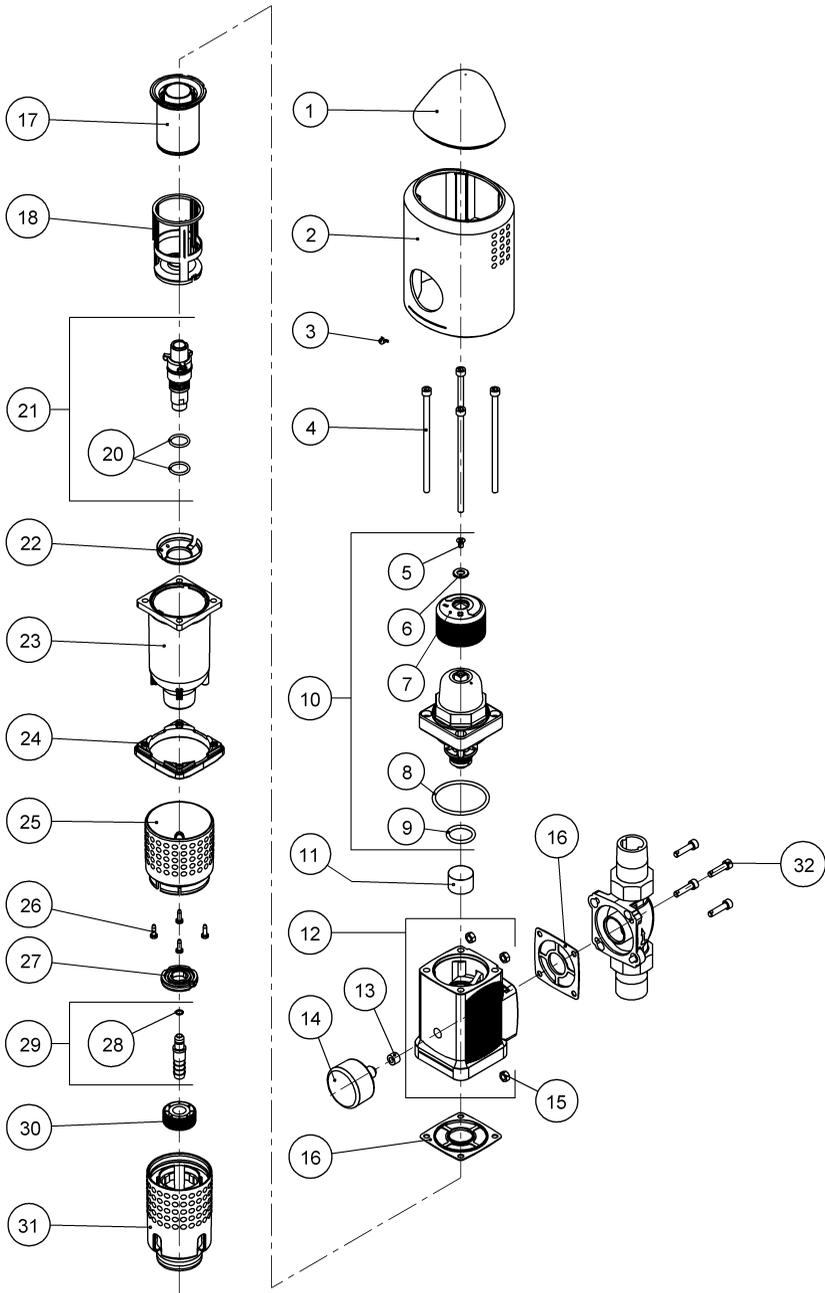
1 x Built-in rotary flange JQE 1½" or 2" with bayonet fixture and screw connection

9.7 Accessories

- JUDO JQR expansion QUUICKSET Order no. 8250041 for the series connection of two devices, e.g. filter and water treatment system.
- JUDO Automatic controls + Ceramic set JAUS Order No. 8170244. For subsequent upgrade of the manual domestic water station to an automatic domestic water station.

10. Spare Parts

10.1 JUKO-LF 3/4" – 1 1/4"

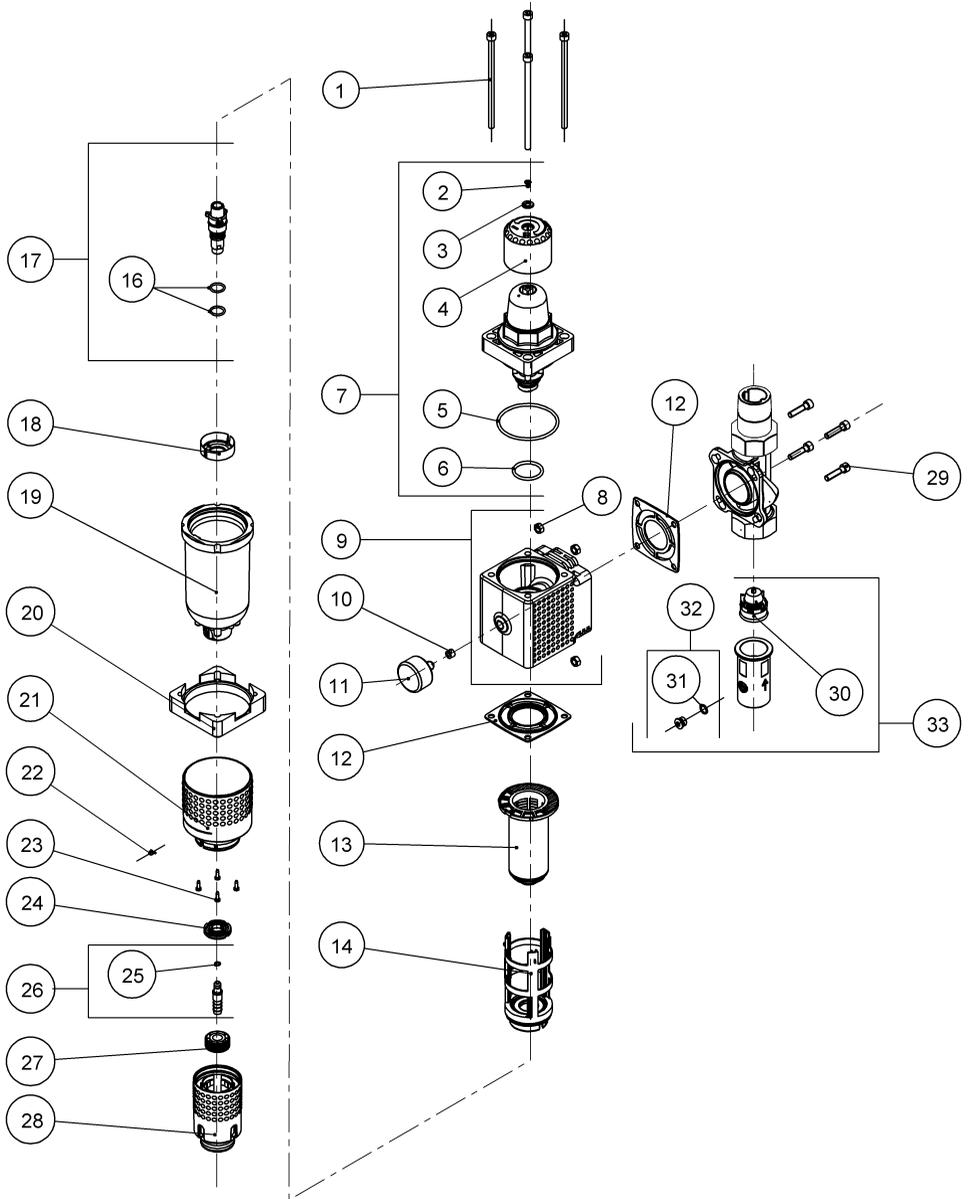


List of Spare Parts JUKO-LF ¾" – 1¼"

Item	Designation (Recommended average replacement interval for wearing parts [*)	Piece(s)	Order No.
1	Cover pressure reducer	1	1120542
2	Cover housing JUKO-LF ¾"	1	2170198
2	Cover housing JUKO-LF 1"	1	2170246
2	Cover housing JUKO-LF 1¼"	1	2170200
3	Display button	1	1120424
4	Cylinder screw M6x130	4	1650134
5	Countersunk screw M5x8	1	1650307
6	Disc A 8.4	1	1607125
7	Handweel pressure reducer	1	1120196
8	O-ring 52 x 3.5	1	1200113
9	O-ring 25 x 3.5	1	1200114
10	Pressure reducer cartridges	**** 1	2150026
11	Noise screen	1	1400071
12	Cover housing pre-mounted	1	2150054
13	Manometer seal	1	1200117
14	Manometer 0 - 150 psi (0 - 1000 kPa)	1	1610390
15	Hexagon nut M6	4	1633145
16	Profile flange seal	**** 2	1200218
17	Strainer	**** 1	2070302
18	Suction Pipe	**** 1	1120534
20	O-ring 18 x 2.5	**** 2	1200291
21	Flushing valve pre-mounted	1	2170179
22	Suction pipe base	1	1120533
23	Filter hood	1	1120536
24	Flange	1	1420013
25	Cover of filter hood	1	1120541
26	Lens metal screw 3.9 x 13	4	1650289
27	Spacer disc	1	1120478
28	O-ring 6.07 x 1.3	1	1200137
29	Tube connection pre-mounted	1	2170182
30	Union nut	1	1120214
31	Handwheel for free discharge	1	1120461
32	Cylinder screw M6 x 25, coated	4	2010199

Replacement interval: **** = 4 years

10.2 JUKO-LF 1½" – 2"



List of Spare Parts JUKO-LF 1½" – 2"

Item	Designation (Recommended average replacement interval for wearing parts [*)	Piece(s)	Order No.
1	Cylinder screw M8x160	4	1650290
2	Countersunk screw M5x8	1	1650307
3	Disc A 8.4	1	1607125
4	Pressure reducer handwheel	1	1120472
5	O-ring 84 x 4	1	1200201
6	O-ring 38 x 4	1	1612131
7	Pressure reducer cartridge	**** 1	2170189
8	Hexagon nut M8	4	1607117
9	Pre-fitted basic housing JUKO-LF 1½"	1	2170248
9	Pre-fitted basic housing JUKO-LF 2"	1	2170249
10	Manometer seal	1	1200117
11	Manometer 0-10 bar	1	1610390
12	Profile flange seal	**** 2	1200230
13	Strainer	**** 1	2070304
14	Pre-fitted suction pipe	**** 1	2170178
16	O-ring 18 x 2.5	**** 2	1200291
17	Pre-fitted flushing valve	1	2170179
18	Suction Pipe base	1	1120464
19	Filter hood	1	1120459
20	Flange	1	1430099
21	Cover of filter hood	1	2170165
22	Display button	1	1120424
23	Lens metal screw 3.9 x 13	4	1650289
24	Spacer Disc	1	1120478
25	O-ring 6.07 x 1.3	1	1200137
26	Pre-fitted hose connector	1	2170182
27	Union nut	1	1120214
28	Handwheel for free discharge	1	1120461
29	Cylinder screw M8 x 35, coated	4	1650291
30	Backflow preventer JUKO-LF 1½"	1	1610318
30	Backflow preventer JUKO-LF 2"	1	1610454
31	O-ring 11 x 2	1	1200297
32	Complete Plug pre-mounted	1	2170184
33	Pre-fitted RV sleeve JUKO-LF 1½"	1	2170180
33	Pre-fitted RV sleeve JUKO-LF 2"	1	2170181

Replacement interval: **** = 4 years

11. Customer Service



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Installed by:

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