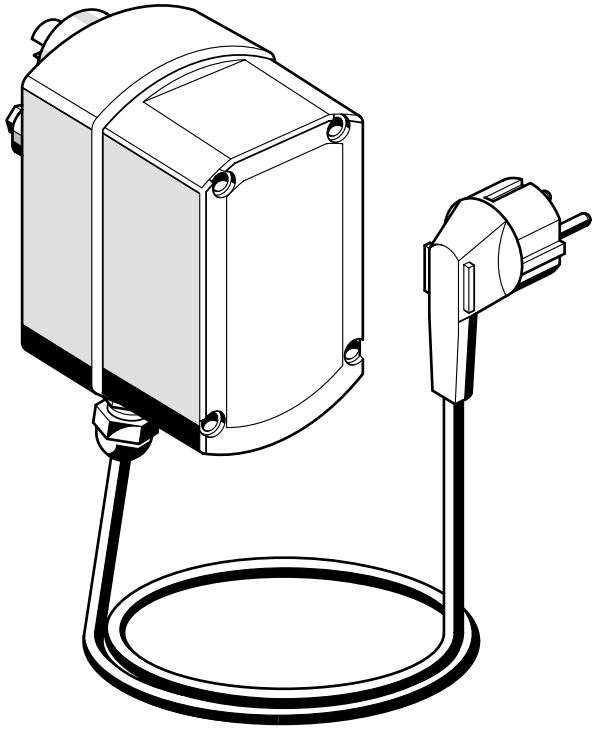
resideo

Braukmann
Z74A

Installation instructions



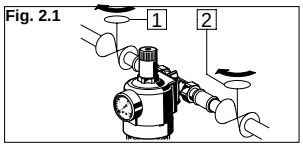
Automatic reverse rinsing actuator
with bayonet connection

R32347734-001 Rev.A

1. Installation

It is necessary during installation to observe codes of good practice, to comply with local requirements and to follow the installation instructions. The installation location should be protected against frost and be easily accessible.

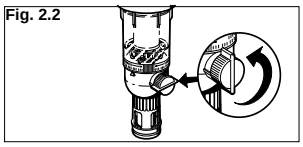
Fig. 2.1



2. Assembly

2.1 Close isolating valves 1 and 2 .

Fig. 2.2

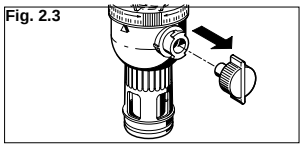


2.2 Open the ball valve on the filter by turning the reverse rinsing knob.

- The marker bar must be vertical.

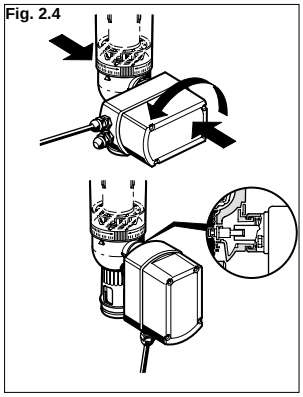
△ Check availability of a suitable drainage outlet or catchment vessel.

Fig. 2.3



2.3 Pull the reverse rinsing knob off the filter.

Fig. 2.4



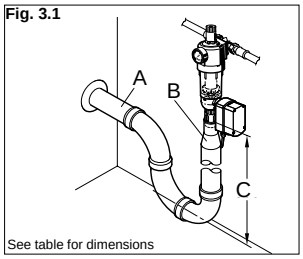
2.4 Fit the automatic reverse rinsing actuator

- Plug in the Z 74 A
- Push the housing in the direction of the filter against the ball valve and at the same time firmly restrain filter and turn the housing through 90°.

2.5 Plug in the mains plug.

△ This will cause a reverse rinsing cycle to occur.

Fig. 3.1



See table for dimensions

3. Reverse rinsing water drainage

3.1 Direct connection

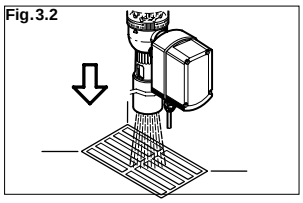
Connect drainage according to DIN 1986 or to national standards.

△ Pipe diameter A must be strictly observed, otherwise discharge pipe may overflow.

Filter-size	Drain Pipe Size A*	Transition Connector B	Reverse Rinsing Quantity (litres)**	C (mm)
3/4"	DN 70	DN 50/70	20	300
1" and 1 1/4"	DN 70	DN 50/70	25	300
1 1/2" and 2"	DN 70	DN 50/70	30	300

* all necessary pipes and tundish (3 x 90° bends)
** for an operating pressure of 4 bar and a reverse rinsing period of 25 s

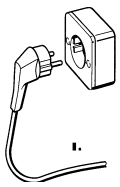
Fig.3.2



By using our drainage connection, the 20 mm free discharge specified in DIN 1988 is already built in.

3.2 Discharge into existing ground drainage

Fig.4.1



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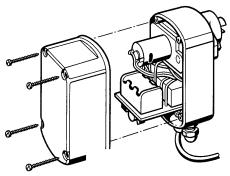


Fig.4.3

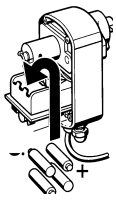
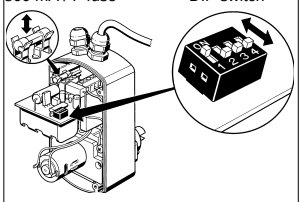


Fig. 5

800 mA / F fuse DIP switch



4. Fitting batteries

The batteries provide a power supply to close the ball valve in compliance with regulations if the mains current fails during the reverse rinse cycle.

Batteries are not supplied with the appliance.

4.1 Pull out the electrical mains plug.

4.2 Unscrew the housing screws with a screwdriver and remove the lid.

4.3 Insert the batteries
(four LR 6-1.5 V-Mignon/AA size alkali-manganese)

4.4 Reassemble in reverse order.

△ When batteries are fitted, do not leave the mains unplugged for too long.

5. Setting of the reverse rinsing interval

DIN 1988 requires that a reverse rinse cycle occurs at intervals of not more than two months. National requirements must be observed.

A reverse rinse interval of 45 days is set during manufacture.

Setting of other intervals (see also sticker inside body)

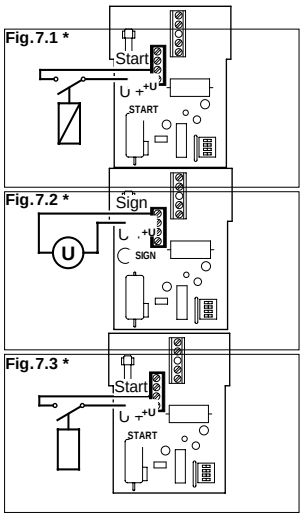
- Pull out the electrical mains plug
- Unscrew the housing screws with a screwdriver and remove the lid
- Set the required interval by sliding the DIP-switches according to the following table and Fig. 5
- Reassemble in reverse order.

4 min	8 min	16 min	32 min	1 h	2 h	4 h	8 h
							
17 h	**34 h**	**3 d**	**6 d**	**11 d**	**23 d**	**45 d**	**3 month**
							

When power is reinstated after a break in the power supply a reverse rinse cycle will automatically occur.

6. Manual activation of reverse rinsing

- Pull out the electrical mains plug
- Plug in again after several seconds
- A reverse rinse cycle will automatically occur.



*see also sticker inside body

7. Additional functions

7.1 Remote switching

With a volt-free changeover relay the Z 11 A can be remotely operated. (E.g. Bürkle type REL 2). Minimum closed circuit period for operation is 1 second.

7.2 Remote monitoring

For remote monitoring of the open/closed position of the ball valve we recommend the installation of a central control panel with 0-10 V ⎓ input. The maximum current is 10 mA. A feedback voltage of 5-10 V ⎓ means that mains voltage is present and that the ball valve is closed.

7.3 Differential pressure switch

The reverse rinse function can be operated when needed by a differential pressure switch with a volt-free micro switch (e.g. FEMA type DDCM1). We recommend a pressure differential setting of 1.0 bar.

△ Reverse rinsing cannot be operated via a differential switch if a pressure reducer is located between the inlet and outlet. For this reason a differential pressure switch cannot be used for filter assemblies with pressure reducers e.g. FK 74 C.

8. Safety guidelines

8.1 Use appliance only:
- In good condition
- According to regulations
- With due regard to safety.

8.2 Follow installation instructions.

8.3 Immediately rectify any malfunctions which may influence safety.

8.4 The Z 74 A automatic reverse rinse actuator is exclusively for use for reverse rinse applications with Resideo filters and filter combinations. Any variation from this or other use will not comply with requirements.

⚠ All electrical connections of additional functions are to be carried out by an electrician.
Local requirements are to be observed.

△ Do not use cleaning materials containing solvents.

9. Technical data

The appliance is fitted with electrical suppression during manufacture.

Nominal voltage	Version A = 230 V ~ Version B = 24 V ~
Frequency	50 / 60 Hz
Electrical consumption	10 W
Supply cable	1.5 m
Battery life	Approximately 3 years
Fuse	800 mA / F

Reverse rinse duration	approximately 25 s with mains electricity operation
Reverse rinse quantity	see table 3.1
Ambient conditions	5 . . . 90 % r.H.; 0 . . . 60 °C
Protection	IP 55 water vapour protected
Protection class	1 (DIN VDE 0700-T1 / EN 60335-1)
Approx. dimensions	Width: 70 mm Depth: 160 mm(1")

resideo

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