

# Braukmann FK74CS/FKN74CS

## Filter combination

with pressure reducing valve and reverse rinsing fine filter

### Application

The filter combinations comprise reverse rinsing filter and pressure reducing valve in one appliance. They ensure a continuous supply of filtered water. The fine filter stops the ingress of foreign bodies, for example rust particles, strands of hemp and grains of sand and thus reduces the probability of corrosion. The pressure reducing valve prevents pressure damage and reduces water consumption.

The filter combinations are fitted in systems where a pressure reducing valve is required. Both horizontal and vertical installation is possible.

### Approvals

- DVGW

approval for all filters with 100 µm mesh sizes and with rotatable connection piece

### Special Features

- LEAD-FREE: Pb content of all materials less than 0.1 %
- Integral pressure reducing valve with balanced seat
- Inlet pressure balancing – no influence on outlet pressure by fluctuating inlet pressure
- Filtered water supplied even during reverse rinsing
- Patented reverse rinsing system - fast and thorough cleaning of the filter with small amount of water
- Memory ring indicates when next manual reverse rinsing is due
- Automatic reverse rinsing actuator with bayonet connector can be retrofitted
- Large filter surface
- Shock resistant clear synthetic material filter bowl enables easy checking of filter contamination
- Filter insert fully replaceable
- Standardised discharge connection
- ACS certified
- All materials are KTW approved
- Approved by TÜV LGA for low noise, Group 1 without limitations



### Technical Data

| Media                                                  |                                                    |
|--------------------------------------------------------|----------------------------------------------------|
| Medium:                                                | Drinking water                                     |
| Connections/Sizes                                      |                                                    |
| Connection sizes:                                      | 1/2" - 2" (with rotatable connector piece)         |
| Pressure values                                        |                                                    |
| Operating pressure range:                              | 1.5 - 16 bar                                       |
| Max. inlet pressure:                                   | 16 bar<br>(up to 12 bar long*-term)                |
| Outlet pressure:                                       | 1.5 - 6 bar adjustable                             |
| Operating temperatures                                 |                                                    |
| Operating temperature range medium accord. to EN 1567: | 5 - 30 °C                                          |
| Specifications                                         |                                                    |
| Installation position:                                 | Horizontal or vertical, with filter bowl downwards |

\* For maintaining the measuring accuracy of the manometer, a continuous maximum pressure load of 12 bar is permitted.

Note: The filter is constructed for drinking water installations. In case of a process water application the filter has to be proven individually.

## Construction

| Overview                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
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|                                                     | <table><tr><th>Components</th><th>Materials</th></tr><tr><td>1 Adjustment handle</td><td>High-quality synthetic material</td></tr><tr><td>2 Spring bonnet with internal adjustment screw</td><td>High-quality synthetic material</td></tr><tr><td>3 Housing with pressure gauge</td><td><b>FK74CS-xx/xxLF 1/2" - 1 1/4"</b>:<br/>High-quality synthetic material<br/><b>FK74CS-xxLF 1 1/2" - 2"</b>:<br/>Lead-free brass</td></tr><tr><td>4 Rotatable connector piece, flange sealings, connecting nuts and fittings (FK74CS only)</td><td><b>FK74CS-xx/xxLF 1/2" - 1 1/4"</b>:<br/>Dezincification-resistant brass (rotatable connection piece, tail pieces, connection nuts), unitec 300 (flange sealing)<br/><b>FK74CS-xxLF 1/2" - 2"</b>:<br/>Lead-free brass (rotatable connection piece, tail pieces, connection nuts), unitec 300 (flange sealing)</td></tr><tr><td>5 Clear filter bowl</td><td>Shock-resistant, clear transparent synthetic material</td></tr><tr><td>6 Fine filter</td><td>Stainless steel</td></tr><tr><td>7 Ball valve with drain connection</td><td>Lead-free brass (Ball Valve body), Lead-free material (ball), Plastic-durethan (drain adapter)</td></tr><tr><td colspan="2"><b>Not depicted components:</b></td></tr><tr><td>Memory ring</td><td>Plastic</td></tr><tr><td>Allen key</td><td>Stainless steel</td></tr><tr><td><b>FK74CS-xx/xxLF 1/2" - 1 1/4"</b>:<br/>WS6</td><td rowspan="2"></td></tr><tr><td><b>FK74CS-xxLF 1 1/2" - 2"</b>:<br/>WS8</td></tr><tr><td>Valve insert complete with diaphragm and valve seat</td><td>High-quality synthetic material</td></tr><tr><td>Wrench for filter bowl and spring bonnet</td><td>Plastic</td></tr><tr><td>Covers and reverse rinsing handle</td><td>Synthetic material</td></tr><tr><td>Diaphragm</td><td>Fibre-reinforced NBR</td></tr><tr><td>Sealing washers</td><td>EPDM</td></tr></table> | Components                                                                                                                                                                                                                                                                                                    | Materials | 1 Adjustment handle | High-quality synthetic material | 2 Spring bonnet with internal adjustment screw | High-quality synthetic material | 3 Housing with pressure gauge | <b>FK74CS-xx/xxLF 1/2" - 1 1/4"</b> :<br>High-quality synthetic material<br><b>FK74CS-xxLF 1 1/2" - 2"</b> :<br>Lead-free brass | 4 Rotatable connector piece, flange sealings, connecting nuts and fittings (FK74CS only) | <b>FK74CS-xx/xxLF 1/2" - 1 1/4"</b> :<br>Dezincification-resistant brass (rotatable connection piece, tail pieces, connection nuts), unitec 300 (flange sealing)<br><b>FK74CS-xxLF 1/2" - 2"</b> :<br>Lead-free brass (rotatable connection piece, tail pieces, connection nuts), unitec 300 (flange sealing) | 5 Clear filter bowl | Shock-resistant, clear transparent synthetic material | 6 Fine filter | Stainless steel | 7 Ball valve with drain connection | Lead-free brass (Ball Valve body), Lead-free material (ball), Plastic-durethan (drain adapter) | <b>Not depicted components:</b> |  | Memory ring | Plastic | Allen key | Stainless steel | <b>FK74CS-xx/xxLF 1/2" - 1 1/4"</b> :<br>WS6 |  | <b>FK74CS-xxLF 1 1/2" - 2"</b> :<br>WS8 | Valve insert complete with diaphragm and valve seat | High-quality synthetic material | Wrench for filter bowl and spring bonnet | Plastic | Covers and reverse rinsing handle | Synthetic material | Diaphragm | Fibre-reinforced NBR | Sealing washers | EPDM |
|                                                     | Components                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Materials                                                                                                                                                                                                                                                                                                     |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
|                                                     | 1 Adjustment handle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | High-quality synthetic material                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
|                                                     | 2 Spring bonnet with internal adjustment screw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | High-quality synthetic material                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
|                                                     | 3 Housing with pressure gauge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>FK74CS-xx/xxLF 1/2" - 1 1/4"</b> :<br>High-quality synthetic material<br><b>FK74CS-xxLF 1 1/2" - 2"</b> :<br>Lead-free brass                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
|                                                     | 4 Rotatable connector piece, flange sealings, connecting nuts and fittings (FK74CS only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FK74CS-xx/xxLF 1/2" - 1 1/4"</b> :<br>Dezincification-resistant brass (rotatable connection piece, tail pieces, connection nuts), unitec 300 (flange sealing)<br><b>FK74CS-xxLF 1/2" - 2"</b> :<br>Lead-free brass (rotatable connection piece, tail pieces, connection nuts), unitec 300 (flange sealing) |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
|                                                     | 5 Clear filter bowl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Shock-resistant, clear transparent synthetic material                                                                                                                                                                                                                                                         |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
|                                                     | 6 Fine filter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Stainless steel                                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
|                                                     | 7 Ball valve with drain connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Lead-free brass (Ball Valve body), Lead-free material (ball), Plastic-durethan (drain adapter)                                                                                                                                                                                                                |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
|                                                     | <b>Not depicted components:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
| Memory ring                                         | Plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
| Allen key                                           | Stainless steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
| <b>FK74CS-xx/xxLF 1/2" - 1 1/4"</b> :<br>WS6        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
| <b>FK74CS-xxLF 1 1/2" - 2"</b> :<br>WS8             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
| Valve insert complete with diaphragm and valve seat | High-quality synthetic material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
| Wrench for filter bowl and spring bonnet            | Plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
| Covers and reverse rinsing handle                   | Synthetic material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
| Diaphragm                                           | Fibre-reinforced NBR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |
| Sealing washers                                     | EPDM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                               |           |                     |                                 |                                                |                                 |                               |                                                                                                                                 |                                                                                          |                                                                                                                                                                                                                                                                                                               |                     |                                                       |               |                 |                                    |                                                                                                |                                 |  |             |         |           |                 |                                              |  |                                         |                                                     |                                 |                                          |         |                                   |                    |           |                      |                 |      |

## Method of Operation

The filter combination combines reverse rinsing filter and pressure reducing valve in one appliance.

The filter insert comprises an upper part and a lower combination section. When in the „filtering“ position, the small upper filter is closed so that the water can only pass through the main filter from outside to inside. When the ball valve is opened for reverse rinsing, the filter is pushed downwards until the water supply to the outer side of the main filter is stopped. Simultaneously, the water flow is opened to the upper part of the filter. The water needed for cleaning the filter passes through the upper sieve, the rotating impeller and the main filter from inside to outside. By this means, the filter is fully cleaned over its whole surface area at the full inlet pressure. The filter automatically switches over to the operating position when the ball valve is closed again.

The integral pressure reducing valve functions on a balanced force principle whereby the force exerted by a diaphragm is balanced against the force of an adjustment spring. The inlet pressure has no influence on opening or closing of the valve. Inlet pressure fluctuation does not therefore affect the outlet pressure.

## Transportation and Storage

Keep parts in their original packaging and unpack them shortly before use.

The following parameters apply during transportation and storage:

| Parameter                       | Value                    |
|---------------------------------|--------------------------|
| Environment:                    | clean, dry and dust free |
| Min. ambient temperature:       | 5 °C                     |
| Max. ambient temperature:       | 55 °C                    |
| Min. ambient relative humidity: | 25 % *                   |
| Max. ambient relative humidity: | 85 % *                   |

\*non condensing

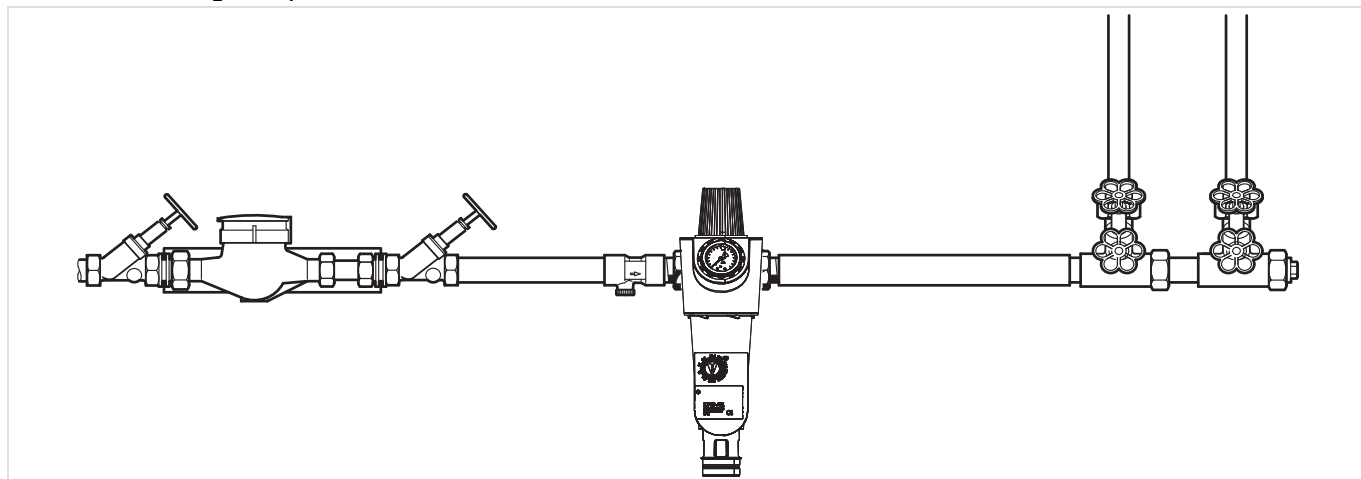
## Installation Guidelines

### Setup requirements

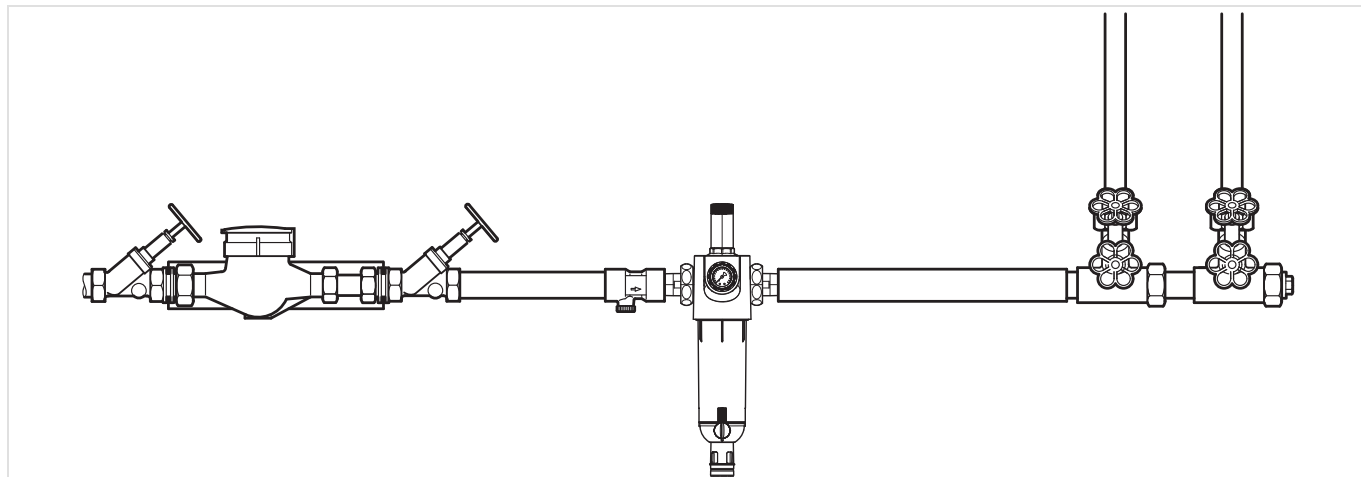
- The installation site has to be frost-proof and the protection of the device from chemicals, paints, detergents, solvents and their vapours and environmental influences must be guaranteed
- Install in horizontal or vertical pipework with filter bowl downwards
  - This position ensures optimum filter efficiency
- Install shut-off valves
- These filters are armatures which need to be maintained regularly
- Ensure good access
  - Pressure gauge can be read off easily
  - Degree of contamination can be easily seen with clear filter bowl
  - Simplifies maintenance and inspection
- It is recommended that a straight section of pipework at least five times the nominal valve size is provided after the filter (according to DIN EN 806-2)
- Fit immediately after water meter
- Related to the EN 806-2 it is recommended to install the filter immediately after the water meter
- In order to avoid flooding, it is recommended to arrange a permanent, professionally dimensioned wastewater connection

### Installation Example

FK74CS-xx/xxLF 1/2" - 1 1/4"



FK74CS-xxLF 1 1/2" - 2"

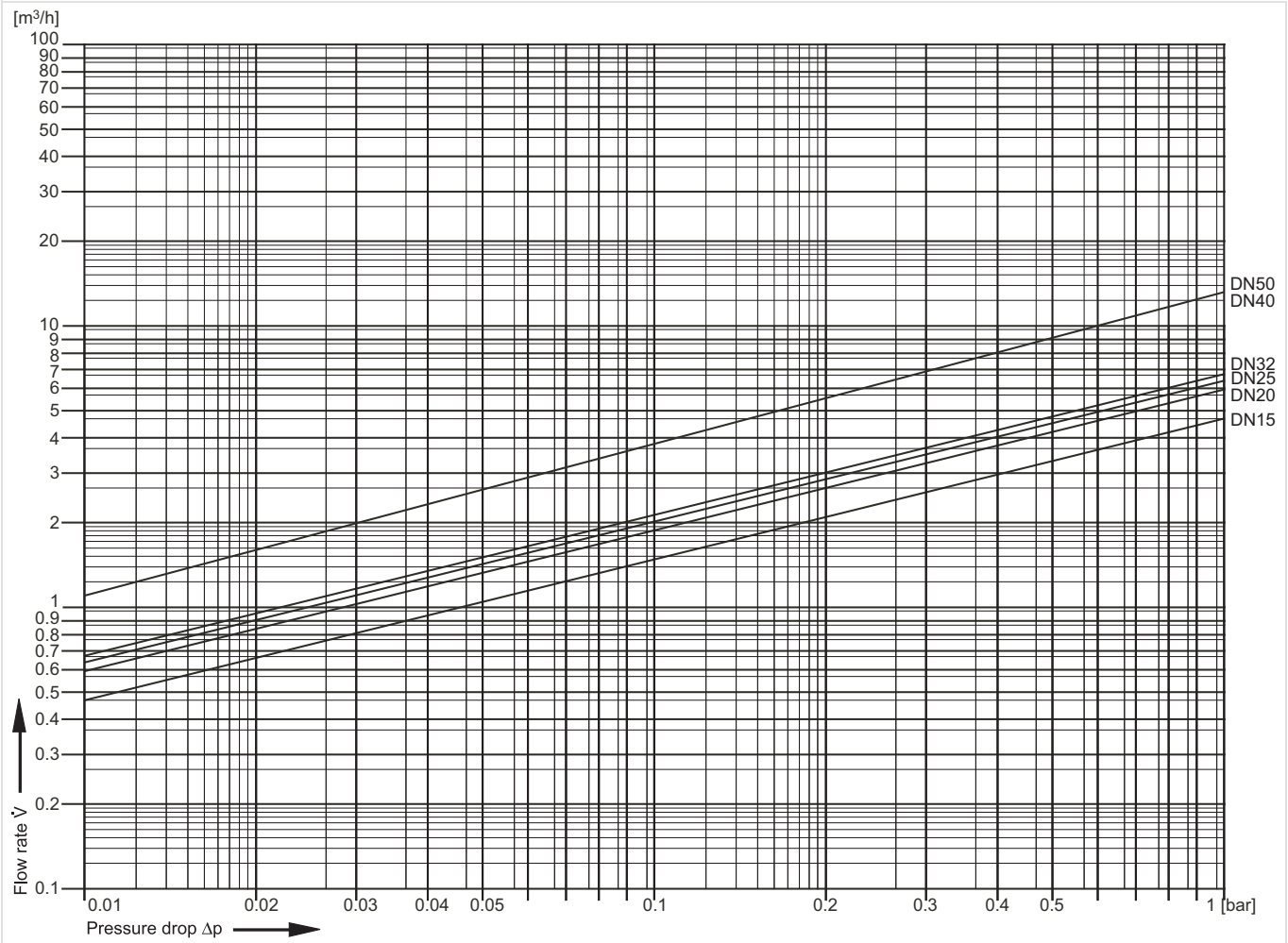


Technical Characteristics

kvs-Values

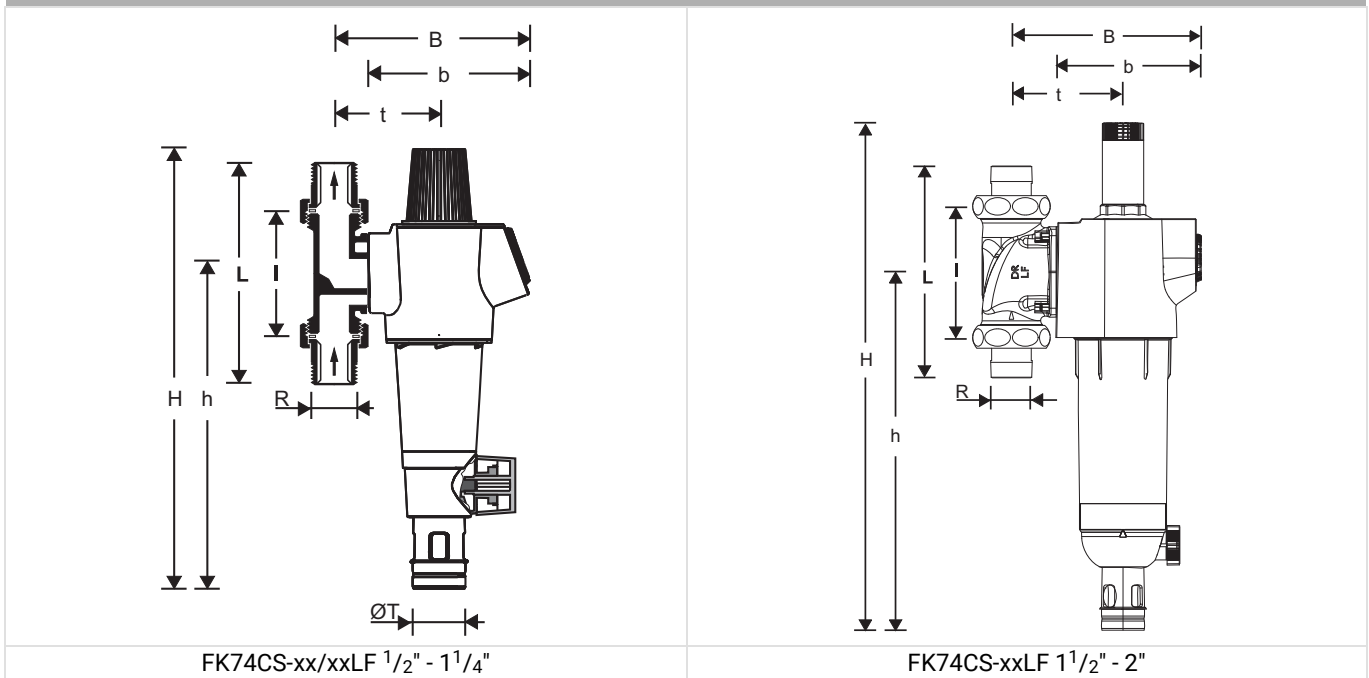
|                                             |     |     |     |     |      |      |
|---------------------------------------------|-----|-----|-----|-----|------|------|
| Connection sizes:                           | 15  | 20  | 25  | 32  | 40   | 50   |
| k <sub>VS</sub> -value (m <sup>3</sup> /h): | 4.5 | 5.8 | 6.2 | 6.5 | 11.5 | 11.5 |

Pressure drop characteristics



## Dimensions

### Overview



| Parameter                 |                 | Values |      |     |        |        |        |
|---------------------------|-----------------|--------|------|-----|--------|--------|--------|
| Connection sizes:         | R               | 1 1/2" | 3/4" | 1"  | 1 1/4" | 1 1/2" | 2"     |
| Nominal sizes:            | DN              | 15     | 20   | 25  | 32     | 40     | 50     |
| Weight:                   | kg              | 2.3    | 2.3  | 2.6 | 2.9    | 9.753  | 10.652 |
| Dimensions:               | H               | 415    | 415  | 415 | 415    | 590    | 590    |
|                           | h               | 298    | 298  | 298 | 298    | 416    | 416    |
|                           | L               | 150    | 158  | 179 | 197    | 246    | 267    |
|                           | l               | 90     | 90   | 100 | 105    | 150    | 150    |
|                           | B               | 178    | 178  | 178 | 182    | 216    | 216    |
|                           | b               | 150    | 150  | 150 | 150    | 187    | 187    |
|                           | t               | 92     | 92   | 92  | 96     | 130    | 130    |
|                           | ØT              | 50     | 50   | 50  | 50     | 50     | 50     |
| DVGW registration number: | NW-9311 CM 0032 |        |      |     |        |        |        |

Note: All dimensions in mm unless stated otherwise.

## Ordering Information

The following tables contain all the information you need to make an order of an item of your choice.  
When ordering, please always state the type, the ordering or the part number.

### Options

The filter combination is available in the following sizes: 1/2", 3/4", 1 1/2", 1 1/4", 1" and 2".

• standard

- not available

**for connection sizes 1/2" - 1 1/4"**

|                  |                                                                             | FK74CS-...AA | FK74CS-...AC | FK74CS-...AD | FKN74CS-1A | FKN74-1C |
|------------------|-----------------------------------------------------------------------------|--------------|--------------|--------------|------------|----------|
| Connection type: | With rotatable connector piece, filter mesh size 100 µm                     | •            | -            | -            | -          | -        |
|                  | With rotatable connector piece, filter mesh size 50 µm                      | -            | •            | -            | -          | -        |
|                  | With rotatable connector piece, filter mesh size 200 µm                     | -            | -            | •            | -          | -        |
|                  | Retrofit version without rotatable connector piece, filter mesh size 100 µm | -            | -            | -            | •          | -        |
|                  | Retrofit version without rotatable connector piece, filter mesh size 50 µm  | -            | -            | -            | -          | •        |

Note: ... = space holder for connection size

**for connection sizes 1/2" - 2"**

|                  |                                                                                                                                                            | FK74CS-...LFAA | FKN74CS-1LFA | FKN74CS-2LFA |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|--------------|
| Connection type: | With rotatable connector piece, filter mesh size 95/110 µm, lead-free materials                                                                            | •              | -            | -            |
|                  | Retrofit version without rotatable connector piece, filter mesh size 95/110 µm, lead-free materials (for DA74CS-xxLFA rotatable connections 1/2" - 1 1/4") | -              | •            | -            |
|                  | Retrofit version without rotatable connector piece, filter mesh size 95/110 µm, lead-free materials (for DA74CS-xxLFA rotatable connections 1 1/2" - 2")   | -              | -            | •            |

Note: ... = space holder for connection size

Note: Ordering number example for 2" and type LFAA valve: FK74CS-2LFAA

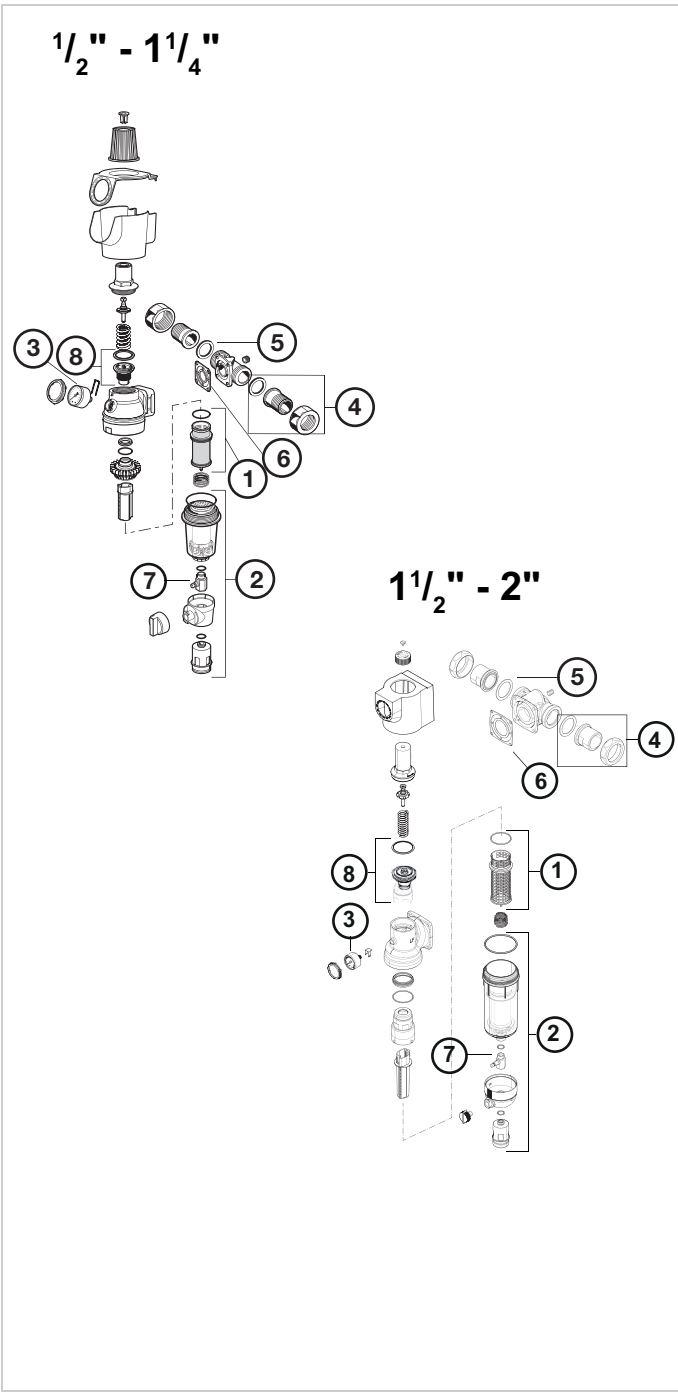
## Accessories

|                                                                                     | Description                    |                                                                          | Dimension     | Item No.       |
|-------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------|---------------|----------------|
|    | DA74                           | Rotatable connector piece                                                |               |                |
|                                                                                     |                                | For connection of retrofit filters and filter combinations               |               |                |
|                                                                                     |                                |                                                                          | 1/2"          | DA74CS-1/2A    |
|                                                                                     |                                |                                                                          | 3/4"          | DA74C-3/4A     |
|                                                                                     |                                |                                                                          | 1"            | DA74C-1A       |
|                                                                                     |                                |                                                                          | 1 1/4"        | DA74C-11/4A    |
|                                                                                     |                                | lead-free                                                                | 1/2"          | DA74CS-1/2LFA  |
|                                                                                     |                                | lead-free                                                                | 3/4"          | DA74CS-3/4LFA  |
|                                                                                     |                                | lead-free                                                                | 1"            | DA74CS-1LFA    |
|                                                                                     |                                | lead-free                                                                | 1 1/4"        | DA74CS-11/4LFA |
|                                                                                     |                                | lead-free                                                                | 1 1/2"        | DA74CS-11/2LFA |
|                                                                                     |                                | lead-free                                                                | 2"            | DA74CS-2LFA    |
|                                                                                     |                                | lead-free, no connection parts                                           | 1/2" - 3/4"   | DA74CS-1/2LFE  |
|                                                                                     |                                | lead-free, no connection parts                                           | 1"            | DA74CS-1LFE    |
|                                                                                     |                                | lead-free, no connection parts                                           | 1 1/4"        | DA74CS-11/4LFE |
|                                                                                     | lead-free, no connection parts | 1 1/2" - 2"                                                              | DA74CS-2LFE   |                |
|    | ZR74CS                         | Double ring wrench for removing the filter bowl                          |               |                |
|                                                                                     |                                |                                                                          | 1/2" + 1 1/4" | ZR74CS         |
|   | ZR10K                          | Double ring wrench for removing the filter bowl                          |               |                |
|                                                                                     |                                |                                                                          | 1 1/2" + 2"   | ZR10K-11/2     |
|  | Z74S-AN for 1/2" - 1 1/4"      | Automatic reverse rinsing actuator                                       |               |                |
|                                                                                     |                                | For automatic filter cleaning at presettable intervals                   |               |                |
|                                                                                     |                                |                                                                          |               | Z74S-AN        |
|  | Z11S for 1 1/2" - 2"           | Automatic reverse rinsing actuator                                       |               |                |
|                                                                                     |                                | For automatic filter cleaning at presettable intervals                   |               |                |
|                                                                                     |                                | 230 V, 50/60 Hz, 10 with moulded Schuko electrical plug                  |               | Z11S-A         |
|                                                                                     |                                | 24 V, 50/60 Hz, 10 without electrical plug                               |               | Z11S-B         |
|                                                                                     |                                | 230 V, 50/60 Hz, 10 with moulded Type 12 electrical plug for Switzerland |               | Z11S-Z         |

Spare Parts

Filter combinations FK74CS / FKN74CS from 2010 onwards

Overview



|   | Description                                 | Dimension     | Item No.        |
|---|---------------------------------------------|---------------|-----------------|
| 1 | Filter insert complete                      |               |                 |
|   | 50 µm                                       | 1/2" - 1 1/4" | AF74-1C         |
|   | 100 µm                                      | 1/2" - 1 1/4" | AF74-1A         |
|   | 200 µm                                      | 1/2" - 1 1/4" | AF74-1D         |
|   | 20 µm                                       | 1 1/2" - 2"   | AF11S-11/2B     |
|   | 50 µm                                       | 1 1/2" - 2"   | AF11S-11/2C     |
|   | 100µm                                       | 1 1/2" - 2"   | AF11S-11/2A     |
|   | 200 µm                                      | 1 1/2" - 2"   | AF11S-11/2D     |
| 2 | Clear filter bowl                           |               |                 |
|   |                                             | 1/2" - 1 1/4" | KF74CS-1A       |
|   | lead-free                                   | 1/2" - 1 1/4" | KF11SB-1A       |
|   | lead-free                                   | 1 1/2" - 2"   | KF11SB-2A       |
| 3 | Pressure gauge rear connection thread G1/4" |               |                 |
|   |                                             | 0 - 16 bar    | M74CS-A16       |
| 4 | Connection set threaded connection          |               |                 |
|   |                                             | 1/2"          | VST06-1/2AR     |
|   |                                             | 3/4"          | VST06-3/4A      |
|   |                                             | 1"            | VST06-1A        |
|   |                                             | 1 1/4"        | VST06-11/4A     |
|   | lead-free                                   | 1/2"          | VST74CS-1/2LFA  |
|   | lead-free                                   | 3/4"          | VST06-3/4LFA    |
|   | lead-free                                   | 1"            | VST06-1LFA      |
|   | lead-free                                   | 1 1/4"        | VST06-11/4LFA   |
|   | lead-free                                   | 1 1/2"        | VST74CS-11/2LFA |
|   | lead-free                                   | 2"            | VST06-2LFA      |
| 5 | Union seal washer (10 pcs.)                 |               |                 |
|   |                                             | 3/4"          | 0901444         |
|   |                                             | 1"            | 0901445         |
|   |                                             | 1 1/4"        | 0901446         |
|   |                                             | 1 1/2"        | 0901447         |
|   |                                             | 2"            | 0901448         |
| 6 | Flange seal                                 |               |                 |
|   |                                             | 3/4" - 1 1/4" | 5975900         |
|   |                                             | 1 1/2" - 2"   | 5975901         |
| 7 | Ball valve complete                         |               |                 |
|   | lead-free                                   |               | KH11S-1LFA      |
| 8 | Valve insert complete                       |               |                 |
|   |                                             | 1/2" - 1 1/4" | D06FA-1B        |
|   | lead-free                                   | 1/2" - 1 1/4" | D06FA-1LF       |
|   | lead-free                                   | 2"            | D06FA-11/2LF    |

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Subject to change. EN0H-1187GE23 R0223  
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