



Thinking solutions.

Operation & Maintenance

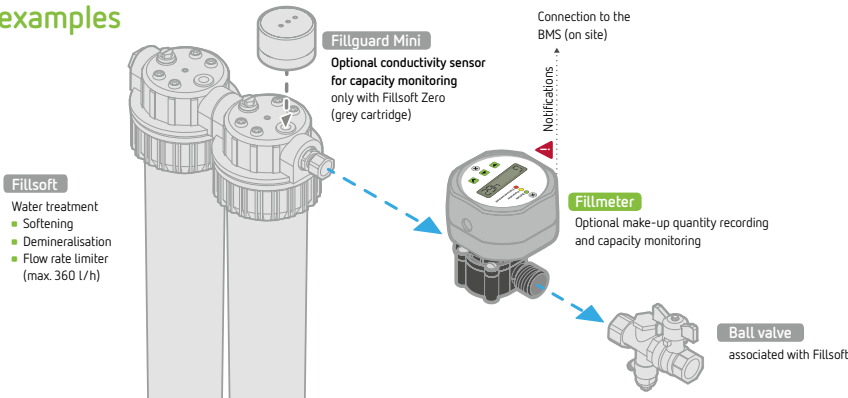
Make-up systems

Type Fillmeter

reflex+
experts No.

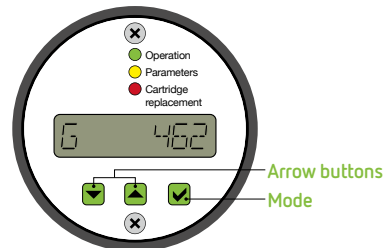
M30

Installation examples



Operation/settings

The required parameters and statuses are displayed via an LC display and three LEDs. Three buttons (☑️ **Arrow buttons** (up/down) and ☑️ **Mode button**) enable the necessary inputs (→ graphic). A potential-free signalling contact and internal buzzer for external or local signalling are fitted. The Parameter LED lights up yellow while the **parameters** are being entered.



Display	Function/Parameters	Value (factory setting)	Operation
Operation — Operation diode lights up green			
G 462	Currently available soft water quantity	G in l	
U 22	Current water flow rate	U in l/min	
t 95781	Total measured water volume since installation	t in l	☑️ Briefly press Mode
MON 6	Remaining time until cartridge replacement due to maximum utilisation time	MON in months	
Parameter setting — Parameter diode lights up yellow			
KW 12000	Soft water capacity	KW in l × °dH 6,000 for Fillsoft I 12,000 for Fillsoft II	☑️ Press Mode > 5 sec. Adjust value with ☑️ Arrow buttons ☑️ Press Mode
°dH 10	Local incoming water hardness of the filling/make-up water	in °dH	Adjust value with ☑️ Arrow buttons ☑️ Press Mode
MON 18	Reflex Fillsoft cartridges max. 18 months (Replacement)	MON in months	Save changed data by pressing the ☑️ Arrow buttons and ☑️ Mode simultaneously
Alarm function — Cartridge replacement diode lights up red, buzzer is activated and potential-free signalling contact is closed			
G 46	Currently available soft water capacity; G < 10 % of the total soft water capacity	G in l	See cartridge replacement
MON 0	Set cartridge usage time has expired	MON in months	
Reset soft water capacity — Cartridge replacement diode lights up green			
G 462	Initial value of the available soft water quantity	G in l	Reset value by pressing ☑️ Arrow buttons and ☑️ Mode simultaneously

Basics

Function

Operation & Maintenance



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Operation & Maintenance

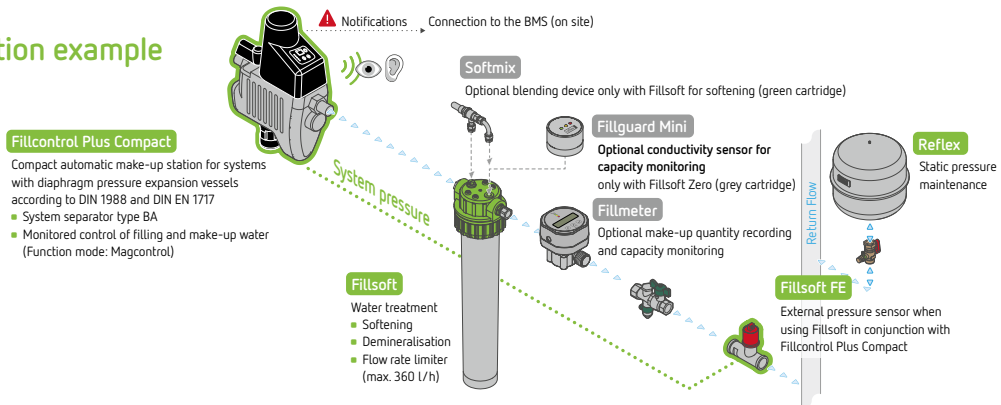
Make-up systems

Type Fillcontrol Plus Compact

reflex+ experts No.

M31

Installation example



Quick start guide

Read/modify minimum operating pressure



System pressure/
opt. Parameter value

Selector buttons

- Press and hold the **Mode** button for 4 seconds.
 - The status LED I flashes every 0.5 seconds
 - The preset value for the minimum operating pressure p_0^* is shown on the display.
- Press the **Selection buttons** (⏪) (⏩) to set the required minimum operating pressure p_0 if necessary.
- Press the **Mode** button to save your entry.

*Recommended setting → Expert card 810

Operation/settings

Display	Function/Parameters	Value (factory setting)	Operation
Operation			
LED Auto lights up green	Automatic		
LED Auto lights up green + IV flashes	Water make-up open		
LED III lights up	Fill mode active	Current pressure must be $< p_0$	Start = (⏪) press & hold and press 3x (⏩) within 2 seconds Stop = by pressing the Mode button or after reaching the initial pressure p_a .
Setting			
LED I flashes + value on display	Minimum operating pressure p_0	in bar (2.0)	Press Mode > 4 sec + set the value using the (⏪) (⏩) selection buttons.
LED II flashes + value on display	max. water make-up cycles	max. cycles/1h (3)	Call up the service menu using a code.
LED III flashes + value on display	Filling time (first fill)	in hours (2)	
LED IV flashes + value on display	max. water make-up time	in minutes (15)	
Display: b + value	Acoustic signalling (buzzer)	b0 = off, b1 = on (b1)	Navigate to the parameter in the service menu with Mode . Set parameter values with (⏪) (⏩) selection buttons.
Display: H + value	H Closing pressure of the water make-up $p_0 + (0.value) = p_{ini}$	in bar/gauge pressure (3)	
Display: h + value	h Opening pressure of the water make-up $p_0 + (0.value)$	in bar/gauge pressure (1)	The following applies: h (min. 0.1 bar) < H

Error and warning messages

Code	Notification	Possible cause	Troubleshooting/repair
E1 Auto flashes red	Water make-up time	Water make-up is open for longer than the preset time. Pressure value $p_0 + H$ has not been reached. A larger leakage is possible	Find and repair leaks in the pipe network Check the setting of the pressure reducer Acknowledge error (press Mode button for 3 seconds)
	Water make-up cycles	The max. number of water make-up cycles $\times/1$ h has been exceeded. Minor leakage is possible	Find and repair leaks in the pipe network Check the setting of the pressure reducer When using a Fillsoft install external pressure sensor
E2 Auto flashes red	Running time exceeded during system filling	The set pressure $p_0 + H$ has not been reached after the preset filling time has elapsed	Check the setting of the pressure reducer Find and repair leaks in the pipe network Acknowledge error (press Mode button for 3 seconds)
E3 Auto flashes red	No correct pressure signal	Pressure sensor defective e.g. cable break/short circuit	Contact Reflex-Service
	Motor valve does not reach zero position	Motor valve defective or blocked	
	Internal system error	Initialisation error	
E4 Auto flashes red	Battery is empty	Due to age or multiple emergency closures of the system	Replace battery (type: e.g. 6LR61, 9 V block battery) Acknowledge error (press Mode button for 3 seconds)