

MVE 1 Direct Pressurisation Control



Automatic topping-up direct from water mains expansion automats (signal controlled) or self supported with pressure sensor.

- With digital control, pressure sensor and ball valve.
- Maximum working pressure: 10 bar.
- Maximum working temperature: 90 °C.
- Electricity supply: 230 V / 50 Hz.

Type	L. [mm]	Connection to		Weight [kg]		Order Code
		Potable water	System			
MVE 1	300	G 3/4"	Rp 1/2"	9	1	23785

MVE 2 Solenoid Valve Unit



Solenoid valve units for systems with expansion automats with SPC / SCU-control or other 230 V refill signal.

- With ball valve.
- Maximum working pressure: 10 bar.
- Maximum working temperature: 90 °C.

Type	L. [mm]	Connection to		Weight [kg]		Order Code
		Potable water	System			
MVE 2	175	G 3/4"	Rp 1/2"	2	1	23786

NFE 1 Top-up Unit



Used for direct top up from potable water supply according to DIN 1988 and DIN EN 1717.

- Consists of a backflow preventer, water meter, ball valve and non-return valve.
- Maximum operating pressure: 10 bar.
- Maximum operating temperature: 65 °C.

Type	L. [mm]	Connection to		K _{vs} (Backflow- preventer) [m³/h]	Weight [kg]		Order Code
		Potable water	System				
NFE 1.1	355	Rp 1/2"	G 3/4"	2	3	1	23780
NFE 1.2 *	355	Rp 1/2"	G 3/4"	2	3	1	23781

* NFE 1.2 has an impulse output water meter (10 litres / impulse).

NFE 2 Top-up Unit



Used for top up from a water supply where a backflow preventer is not needed.

- Consists of a water meter, ball valve and non-return valve.
- Maximum operating pressure: 10 bar.
- Maximum operating temperature: 90 °C.

Type	L. [mm]	Connection to		Weight [kg]		Order Code
		Potable water	System			
NFE 2.1	200	Rp 1/2"	G 3/4"	2	1	23782
NFE 2.2 *	200	Rp 1/2"	G 3/4"	2	1	23783


* NFE 2.2 has an impulse output water meter (10 litres / impulse).

NFE 3 Top-up Unit



Used for top up from a water supply, where a backflow preventor is not needed.

- Consists of a ball valve and non-return valve.
- Maximum operating pressure: 10 bar.
- Maximum operating temperature: 90 °C.

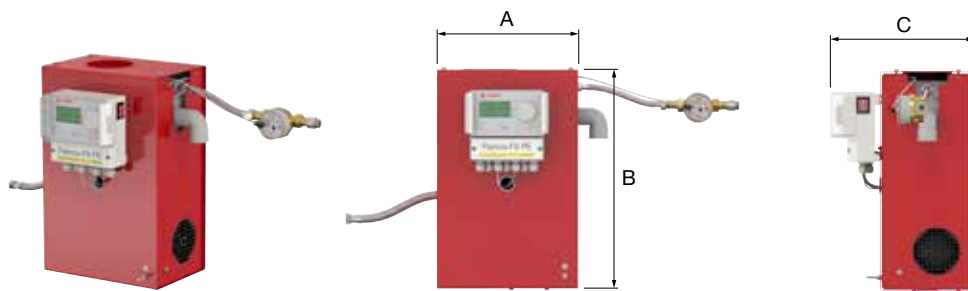
Type	L. [mm]	Connection to		Weight [kg]		Order Code
		Potable water	System			
NFE 3 *	130	Rp 1/2"	G 3/4"	0.5	1	23784


* NFE 3 is not necessary if the top-up water is free from impurities > 0.2 mm, the system has not been filled from a district-heating system and sufficient filters have been fitted for the solenoid valve (MVE).

Flamco-Fill PE Top-up Unit (pressurisation)

The Flamco-Fill PE pressurisation units monitor the pressure in sealed heating and cooling installations and tops them up as necessary. Topping-up depends on the pressure or level at a pre-set interval. There are two working methods available. One for installations with expansion automats (command based on level in automat) and one for installations with Flexcon expansion vessels (command based on installation pressure).

- Particularly suitable for small feed pressures for medium and large heating and cooling systems.
- For separating potable water supply and the closed system a break tank is used which does not require any backflow preventer.
- With impulse water meter for monitoring the amount of water added.
- Any malfunctions will result in a visible alarm and may be made visible automatically in the malfunction log, even via remote control (dead socket).
- Convenient operation with constant display of all important operating parameters.
- Active process menu (active diagram with the status of switching elements and sensors).
- Topping-up according to DIN EN 1717 and DIN 1988.
- Control unit can also be used in water preparation systems.
- 17 languages can be selected in the menu (eg: D, GB, NL and F)
- RS 485 interface.
- Electricity supply: 230 V / 50-60 Hz.
- Mains water pressure (potable water inlet): 1 - 10 bar.
- Nominal system pressure: 1 - 9 bar (PN 10).
- Working temperature (inlet side): 3 °C / 30 °C.
- Maximum flow rate: 210 l/h.
- In accordance with European Pressure Equipment Directive 2014/68/EU and Machinery Directive 2006/42/EC.



Type	Dimensions			Connection to		Weight [kg]		Order Code
	A [mm]	B [mm]	C [mm]	Potable water	System			
Flamco-Fill PE	400	495	320	G 1/2"	G 1/2"	25	1	23757