



Prescor PRV Pressure Reducing Valve

Small, Reliable, Efficient.

- Precise pressure regulation
- Fully WRAS Approved
- Fast and simple pressure setting and commissioning
- Comfort and efficiency
- Long term life



Fluid pressure stabilized

The Prescor pressure reducing valve stabilizes the fluid pressure in a water distribution systems to a preset value. It is used on potable water installations for water supply within buildings according to EN 806-2.

The Prescor PRV can be adjusted to the required working pressure by turning the regulation knob, this then pushes the calibration spring to press against the membrane which in this case then pushes the shutter element towards the direction in which the valve opens. The water pressure downstream of the pressure reducing valve

maintains a pressure in the opposite direction, pulling the shutter closed. When the valve is closed, the two forces are balanced, while there is a flow, the downstream pressure decreases and the thrust from the spring increases, thus opening the shutter and allowing the water to pass through.

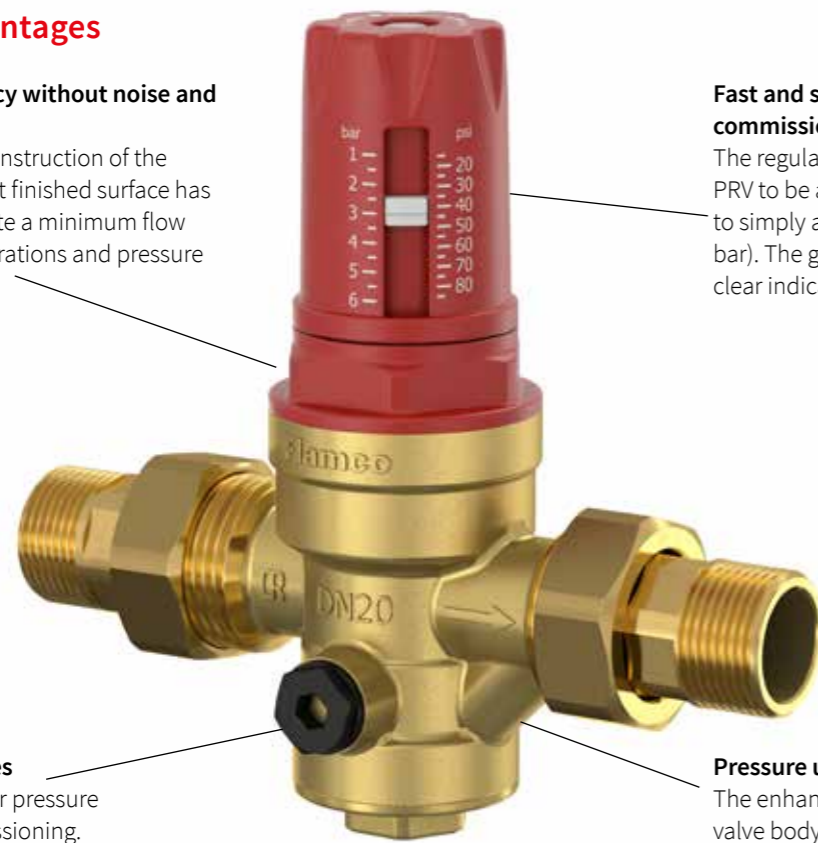
Technical Advantages

Comfort and efficiency without noise and vibrations

The special internal construction of the valve body with perfect finished surface has been designed to create a minimum flow resistance, limiting vibrations and pressure loss.

Fast and simple pressure setting and commissioning

The regulation knob with indicator allows the PRV to be adjusted easily to the set pressure to simply and quickly set the pressure (1 - 6 bar). The graduating scale of the PRV gives clear indications of the set pressure.



Additional accessories

Pressure gauge port for pressure control during commissioning.

Pressure under control in every situation

The enhanced mechanical strength of the valve body and its internal parts allows to use the valve in water supply systems, where the pressure may reach values up to 25 bar.

Precise pressure regulation with reinforced flexible diaphragm

The diaphragm made of EPDM rubber reinforced with high mechanical strength textile allows precise and long term pressure regulation without sticking.

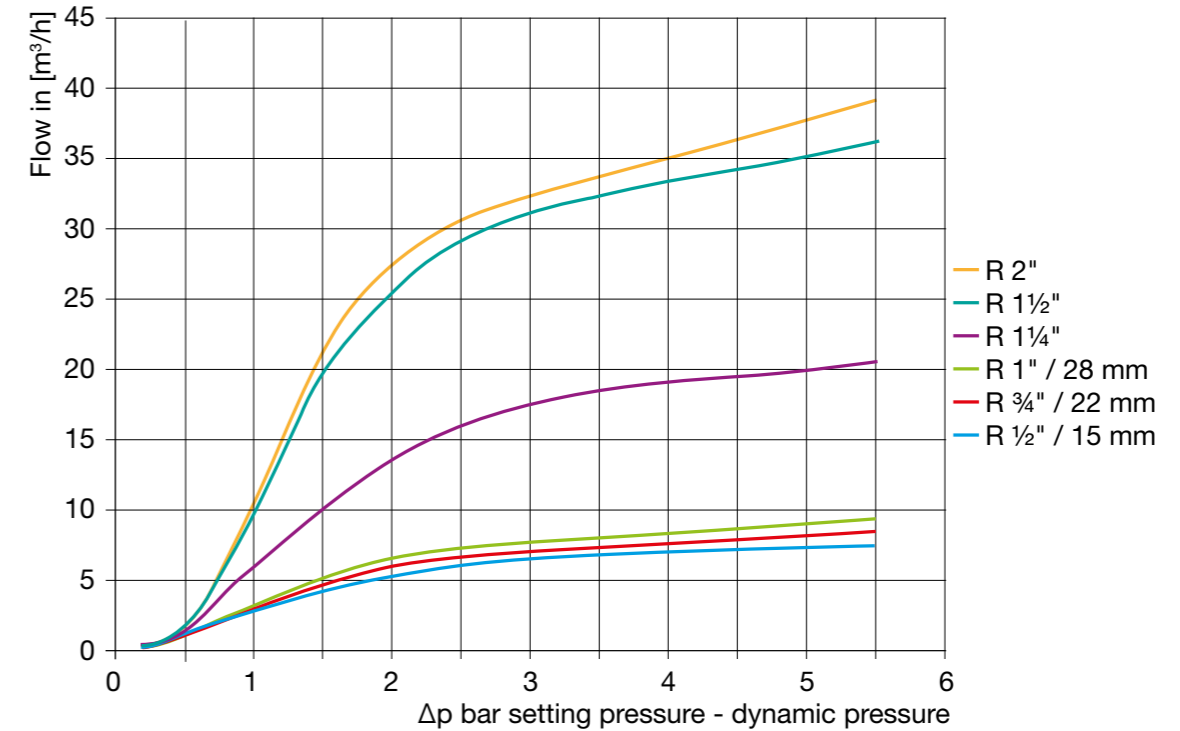


Long term life even in water supply systems outside of the buildings

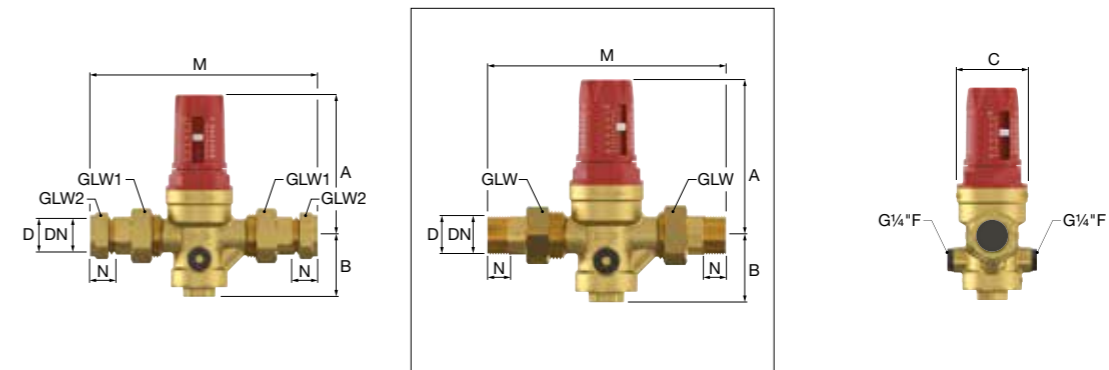
The stainless steel filter cartridge is designed to filter particles such as sand, rust flakes etc.

Sizing

To choose the right size Prescor PRV you should take into account that the speed of the fluid does not reach excessively high values, because this can lead to pressure drops and noise. The flow chart below can help you to choose the right diameter of the Prescor PRV.



Technical features



	Code	DN	A [mm]	B [mm]	C [mm]	M [mm]	N [mm]	GLW (1) [mm]	GLW 2 [mm]
R ½"	27460	15	104	45	50	140	13	30	-
R ¾"	27461	20	104	45	50	160	15	37	-
R 1"	27462	20	104	45	50	170	17	46	-
R 1 ¼"	27463	32	130	59	61	200	19	52	-
R 1 ½"	27464	40	167	73	81	225	19	64	-
R 2"	27465	50	164	82	81	255	24	83	-
15 mm	27466	15	104	45	50	149	23	30	24
22 mm	27467	20	104	45	50	168	24	37	32
28 mm	27468	20	104	45	50	182	25	46	38

Pressure / Temperature:	
- Maximum allowable working pressure	25 bar
- Outlet settings (Ps)	from 1 to 6 bar
- Ps value set during testing	3 bar
- Outlet Ps set tolerance on varying inlet pressure	pressure according to EN 1567
- Maximum working temperature (Ts)	0 °C (excluding ice) +80 °C
Compatible fluids:	
- Water	
- Glycolate solutions	Max. glycol 50%



More Flamco potable water solutions

Flamco offers a wide range of safety and hygienic solution products with long service life for potable water installations. Ranging from fittings to pressure safety and expansion vessels

to tap water stations. With our innovative solutions, we ensure lower energy and water consumption thanks to design focus and system performance.



*Airfix Expansion Vessel
for Potable Water*



*Flamcomix
Mixing Valves*



*T-plus
Pipe Branche Fitting*



*Prescor B
Safety Valves*



*Simplex KFE
Ball Valves*



*Flexofit
Water Shock Arrestor*



*Flexvent Top Aqua
Automatic Air Vent*



*LogoFresh
Fresh Water Station*

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