

FT 518

FT 518 is a lever-operated regulator controlled by a diaphragm and setting spring which controls the valve. It is mainly used for farm tap applications, high-pressure transmission systems and for medium pressure natural gas distribution networks with previously filtered non-corrosive gases. According to the European Standard, it is classified as Fail Open.





Medium / small industries

Features	Values	
Design pressure* (PS1 / DP2)	up to 6.94 MPa up to 1000 psig	
	Standard version	Arctic version
Ambient temperature* (TS1)**	from -20 °C to +65 °C from -4 °F to +150 °F	from -40 °C to + 65°C from -40 °F to +150 °F
Inlet gas temperature*,***	from -10°C to + 60°C from +14 °F to +140 °F	from -20 °C to +60 °C from -4 °F to +140 °F
Inlet pressure (MAOP / p _{umax} 1)	from 0.14 to 6.94 MPa from 20 to 1000 psig	
Range of downstream pressure (Wd ¹)	from 0.034 to 3.4 MPa from 5 to 500 psig	
Available accessories	Token IRV, built-in strainer, incorporated monitor, incorporated slam-shut	
Minimum operating differential pressure (Δp_{min}^{1})	49 kPa 7 psig	
Accuracy class (AC ¹)	up to 10 (depending on working conditions)	
Lock-up pressure class (SG ¹)	up to 20 (depending on working conditions)	
Nominal size (DN ^{1,2})	DN 20 3/4"; DN 25 1"; DN 50 2"	
Orifice Sizes	3/32"; 1/8"; 3/16"; 1/4"; 3/8"; 1/2"	
Connections	threaded NPT, flanged or SW (available soon)	

according to EN334 standard

(r) NOTE: Different functional features and/or extended temperature ranges may be available on request. Stated inlet gas temperature range is the maximum for which the equipment's full performance, including accuracy is guaranteed. Product may have a different pressure or temperature ranges according to the version and/or installed accessories. (**) NOTE: Stated temperature range is the operating range for which the equipment's mechanical resistance and leakage rate are guaranteed. Some body

(***) NOTE: Stated temperature range is the range for which the equipment's full performance, including accuracy and lock-up are guaranteed. Some body materials, if multiple choices are available, may not be suitable for all the available versions shown.

Table 1 Features



Materials and Approvals

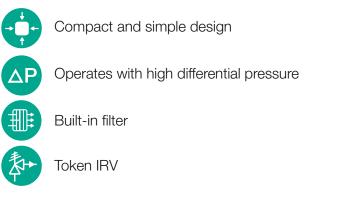
Part	Material	
Body	Ductile iron GS400-18 equivalent to ASTM 536 60-40-18	
Cover	Die cast aluminum	
Valve	Nitrile rubber / High performance compound	
Seat	Brass	
Diaphragm	Nitrile rubber	
Sealing ring	Nitrile rubber	
Stem	Stainless steel	
NOTE: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.		

Table 2 Materials

The FT 518 regulator, is designed according to the ANSI B 109.4 standard where applicable. The regulator reacts in opening (Fail Open) according to EN 334 classification. Leakage class: bubble tight, better than class VIII according to ANSI/FCI 70-3.



FT 518 competitive advantages



Top entry



Built-in accessories



Easy maintenance

Biomethane compatible and available with specific versions for full Hydrogen or blending

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