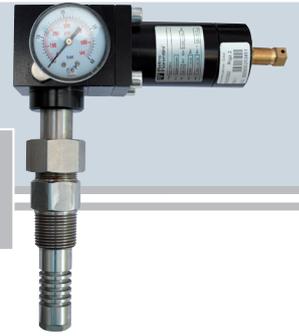




Pietro
Fiorentini®

Anti-freeze device

ATF 15



The **ATF Anti-Freeze** is a single-stage spring loaded pressure regulator suitable for high and medium pressure application for natural gas and all non corrosive gases.

It can be used as:

- No-freezing pressure regulator for small capacity applications;
- Pressure regulators pilots feeding with anti-freeze function;
- Instrument feeding (actuators, pneumatic instruments, positioner ecc.)



MAIN FEATURES

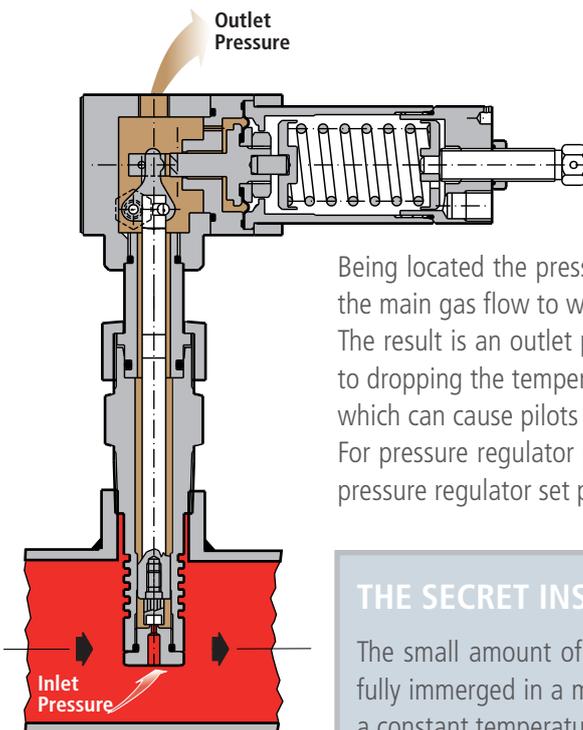
Design pressure: 250 bar
Inlet pressure range: 2 – 250 bar
Outlet pressure range: 1,5 – 60 bar
Accuracy class: up to AC 5
Lock up class: up to SG 10
Working temperature range: -20°C - + 60°C
Cg factor : 3; K1 Factor: 90
Internal sensing line
Integrated anti-freeze
Pipe connections: 1" NPT
Outlet connections: Rp 1/4" ISO 7/1

WORKING PRINCIPLE

Being located the pressure reduction inside the main pipeline, the **ATF 15** pressure regulators use the main gas flow to warm the laminating seat avoiding freezing during the pressure reduction. The result is an outlet pressure with a temperature above 0°C avoiding all the phenomena related to dropping the temperature below 0°C after the pressure reduction (hydrates or sulphur formation which can cause pilots clogging).
For pressure regulator pilot feeding the suggested set point for the **ATF 15** is 5-6 barg above the pressure regulator set point.

THE SECRET INSIDE

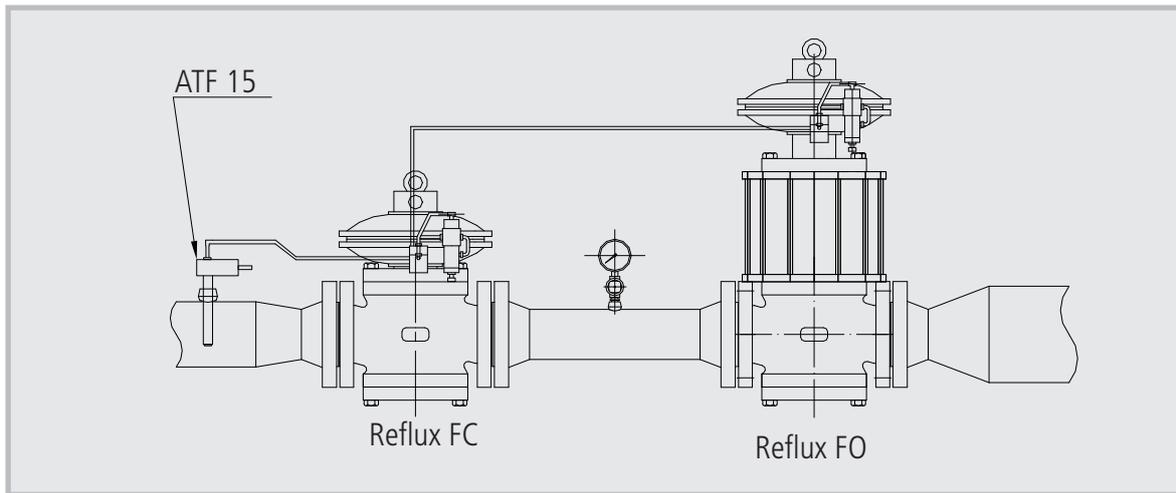
The small amount of gas feeding the **ATF 15** encounters the main pressure drop across a seat fully immersed in a much bigger amount of gas, thus allowing the pressure reduction to occur at a constant temperature equal to the temperature of the inlet gas.



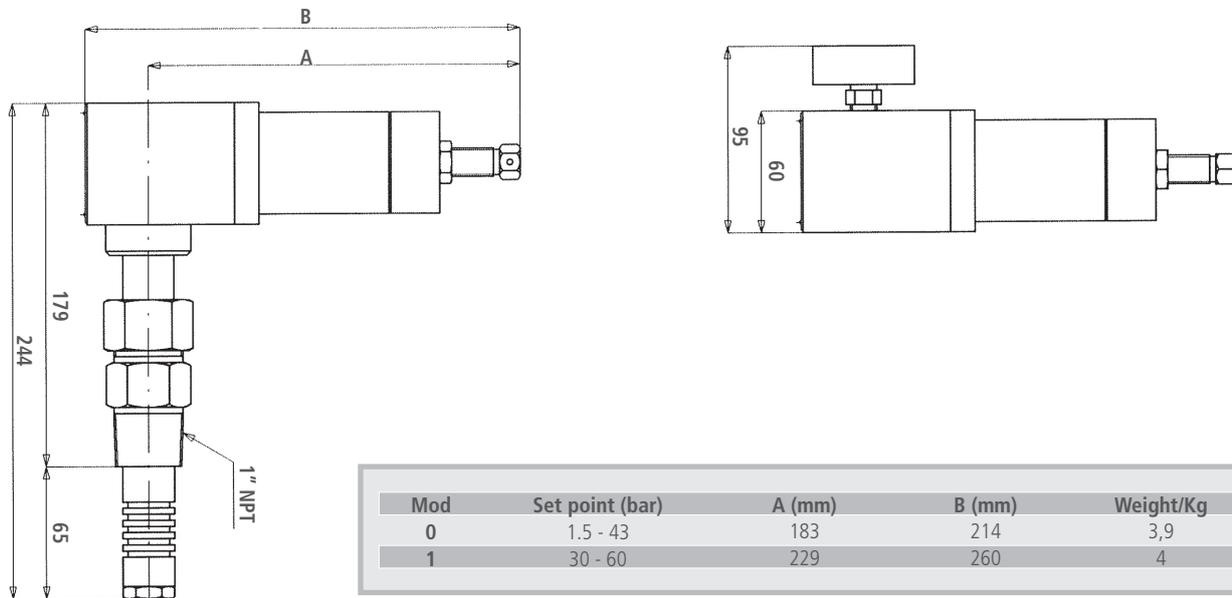
Designed With Your Needs In Mind

- Compact Design
- Easy Maintenance
- Fast Response Time
- High Turn Down Ratio
- High Accuracy
- Fixed Orifice
- Wide Range of applications

TYPICAL INSTALLATION



DIMENSIONS & WEIGHT



The data contained is not binding. We reserve the right to changes without prior notice.

CT-s563-E Sett. 2014



Pietro Fiorentini S.p.A.
via E.Fermi 8/10
I-36057 Arcugnano (VI) Italy
Tel. +39 0444 968.511
Fax. +39 0444 960.468

via Rosellini 1
I-20124 Milano Italy
Tel. +39 02 696.14.21
Fax. +39 02 688.04.57

www.fiorentini.com