

Terval/A

Terval/A is one of the **pilot-operated gas pressure regulators** designed and manufactured by Pietro Fiorentini. This device is suitable for use with previously filtered non-corrosive gases, and it is mainly used for medium and low pressure natural gas distribution networks. According to the European Standard EN 334, it is classified as **Fail Open**.



District stations

Features	Values
Design pressure*	up to 2.5 MPa up to 25 barg
Ambient temperature*	from -20 °C to +60 °C from -4 °F to +140 °F
Inlet gas temperature range*	from -20 °C to +60 °C from -4 °F to +140 °F
Inlet pressure range bpu (MAOP)	from 0.05 to 2.5 MPa from 0.5 to 25 barg
Range of downstream pressure Wd	from 0.0005 to 0.95 MPa from 0.005 to 9.5 barg
Available Accessories	DB Silencer
Minimum differential pressure	0.045 MPa 0.45 barg
Accuracy class AC	up to 5
Lock-up pressure class SG	up to 10
Nominal dimensions DN	DN 50 / 2" DN 65 / 2" 1/2; DN 80 / 3"; DN 100 / 4"
Connections*	Class 150 RF or RTJ according to ASME B 16.5 and PN 25 and 40 according to ISO 7005

(*) REMARK: Different functional features and/or extended temperature ranges available on request. Stated temperature ranges are the maximum for which the equipment's full performance, including accuracy, are fulfilled. Standard product may have a narrower range.

Table 1 Features

Materials and Approvals

Part	Material
Body	Cast steel ASTM A216 WCB for all sizes Ductile iron GS 400-18 ISO 1083 for all sizes
Cover	Rolled or forged carbon steel
Seat	Technopolymer
Diaphragm	Vulcanized rubber
Sealing ring	Nitrile rubber
Compression fittings	According to DIN 2353 in zinc-plated carbon steel. Stainless steel on request

REMARK: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.

Table 2 Materials

Terval/A regulator is designed according to the European standard EN 334. The regulator reacts in opening (Fail Open) according to EN 334. The product is certified according to European Directive 2014/68/EU (PED). Leakage class: bubble tight, better than VIII according to ANSI/FCI 70-3.



EN 334



PED-CE

Terval/A competitive advantages



Balanced type



Top Entry



Operates with low differential pressure



Easy maintenance



High accuracy



Low noise



3 functions in 1 body



Built-in accessories



Built-in pilot filter



Biomethane compatible and 10% Hydrogen blending compatible. Higher blending available on request