

Terval/A

The **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 noncorrosive 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* (PS ¹ / DP ²)	up to 2.5 MPa up to 362 psig
Ambient temperature* (TS1)	from -20 °C to +60 °C from -4 °F to +140 °F
Inlet gas temperature*	from -20 °C to +60 °C from -4 °F to +140 °F
Inlet pressure (MAOP / p _{umax} 1)	from 50 kPa to 2.5 MPa from 7.25 to 362 psig
Range of downstream pressure (Wd ¹)	from 0.5 to 950 kPa from 2"w.c. to 137 psig
Available accessories	DB Silencer
Minimum operating differential pressure (Δp_{min}^{1})	45 kPa 6.5 psig
Accuracy class (AC1)	up to 5
Lock-up pressure class (SG ¹)	up to 10
Nominal size (DN ^{1,2})	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
(1) according to EN334 standard (2) according to ISO 23555-1 standard (*) NOTE: Different functional features and/or extended temperature ranges may be available on request. Stated inlet gas temperature range	

(*) 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.

 Table 1
 Features

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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

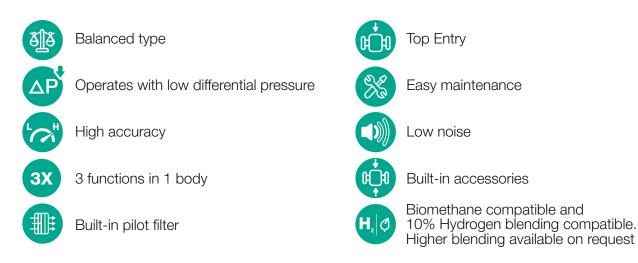
NOTE: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.

Table 2 Materials

The **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.



Terval/A competitive advantages



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