

Dival 160 AP

Dival 160 AP is one of the **direct-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 high-pressure transmission systems and for medium pressure natural gas distribution networks. According to the European Standard EN 334, it is classified as **Fail Open**.



Gas liquefaction



City gates



Power generation



Gas compression / booster stations



Heavy industries



LNG marine



Gas storage



Regasification



Gas reverse-flow

Features	Values
Design pressure*	up to 8.5 MPa up to 85 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 0.14 to 8.5 MPa from 1.4 to 85 barg
Range of downstream pressure Wd	from 0.085 to 0.45 MPa from 0.85 to 4.5 barg
Available Accessories	SB/87 Slam shut
Minimum differential pressure	0.1 MPa 1 barg
Accuracy class AC	up to 5 (depending on working conditions)
Lock-up pressure class SG	up to 10 (depending on working conditions)
Nominal dimensions DN	DN 25 / 1";
Connections*	Class 300 and 600 RF or RTJ according to ASME B16.5

(*) 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	ASTM A 216 WCB cast steel
Cover	ASTM A 105
Seat	AISI 303
Diaphragm	Vulcanized rubber
Sealing ring	Nitrile Rubber
Compression fittings	Zinc-plated carbon steel

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

Table 2 Materials

Dival 160 AP 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

Dival 160 AP competitive advantages



Compact and simple design



Top Entry



Operates with high differential pressure



Easy maintenance



Balanced type



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