

Dival 600

Dival 600 is part of Pietro Fiorentini's range of **direct-acting** gas pressure regulators with diaphragm control and spring contrast. Mainly used in medium and low-pressure natural gas distribution networks, it can be used with pre-treated gaseous fluids. It is classified as **Fail Open** according to the European Standard EN 334. The Dival 600 is **Hydrogen Ready** for NG-H2 blending.



Gas engines



District stations



Commercial users



Regasification



Medium/small industry

Features	Values
Design pressure* (PS ¹ / DP ²)	up to 2 MPa up to 290 psi
Ambient temperature* (TS ¹)	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 (Pd + 0.01) MPa to 2 MPa from (Pd + 1.45) psi to 290 psi
Range of downstream pressure (Wd ¹)	from 1.2 KPa to 420 KPa from 0.18 psi to 60.9 psi
Available accessories	LA slam shut, built-in silencer, monitor version, overflow
Minimum operating differential pressure (Δp _{min} ¹)	0.01 MPa 1.45 psi
Accuracy class (AC ¹)	up to 5
Lock-up pressure class (SG ¹)	up to 10 (depending on version and set point)
Nominal size (DN ^{1,2})	DN 25 1"; DN 40 1" 1/2; DN 50 2";
Connections	<ul style="list-style-type: none"> Flanged: class 150 RF according to ASME B16.5 and ASME B16.42 ANSI Class 125 FF according to ASME B16.1, PN16/25 according to ISO 7005-1 and ISO 7005-2 Threaded: Rp EN 10226-1, NPT ASME B1.20.1 (only size DN50 2")

(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 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

Materials and Approvals

Part	Material
Equipment body	Cast iron GS 400-18 ISO 1083 Steel ASTM A216 WCB
Cover	Aluminum
Seat	Brass
Diaphragm	Canvas rubber
O-rings	Nitrile rubber

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

Table 2 Materials

The **Dival 600** regulator is designed according to 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 class VIII according to ANSI/FCI 70-3.



EN 334



PED-CE

Dival 600 competitive advantages



Balanced type



IRV token



Operates with low differential pressure



Top Entry



High precision



Easy maintenance



Fail Open Regulator



Built-in accessories



High turn-down ratio



Biomethane compatible and 20% Hydrogen blending compatible. Higher blending available on request