

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 20 barg
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 + 0.1) barg to 20 barg
Range of downstream pressure (Wd ¹)	from 1.2 KPa to 420 KPa from 12 mbarg to 4200 mbarg
Available accessories	LA slam shut, built-in silencer, monitor version, overflow
Minimum operating differential pressure (Δp _{min} ¹)	0.01 MPa 0.1 barg
Accuracy class (AC ¹)	up to 5 up to 1% absolute (depending on working conditions)
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.

(**) NOTE: Stated temperature range is the operating range for which the equipment's mechanical resistance and leakage rate are guaranteed. Some body materials, if multiple choices are available, may not be suitable for all the available versions shown.

(***) NOTE: Stated temperature range is the range for which the equipment's full performance, including accuracy and lock-up are guaranteed. Some body materials, if multiple choices are available, may not be suitable for all the available versions shown.

Table 1 Features

Materials and Approvals

Part	Material
Equipment body	Cast iron GS 400-18 ISO 1083 Steel ASTM A216 WCB
Cover	Aluminium
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