

Dival 700

The **Dival 700** by Pietro Fiorentini is a **lever-operated** gas pressure regulator controlled by a diaphragm and contrasting regulated spring action. Mainly used for medium and low pressure natural gas distribution networks, as well as commercial and industrial applications. It should to be used with previously filtered non-corrosive gases. According to the European Standard EN 334, it is classified as **Fail Open**. The Dival 700 is **Hydrogen Ready** for NG-H2 blending.



District stations



Medium/small industry



Commercial users

Features	Values
Design pressure* (PS ¹ / DP ²)	up to 2 MPa up to 290 psig
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 0.86 MPa from (Pd + 1.45) psig to 124.7 psig (depending on the installed seat valve)
Range of downstream pressure (Wd ¹)	from 0.5 to 145.4 kPa from 2" w.c. to 21.1 psig
Available accessories	LA slam shut, relief valve and monitor version
Minimum operating differential pressure (Δp _{min} ¹)	0.01 MPa 1.45 psig
Accuracy class (AC ¹)	up to 5 up to 1% absolute (depending on working conditions)
Lock-up pressure class (SG ¹)	up to 5 (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 ANSI 150 RF according to ASME B16.5 and ASME B16.42 Class ANSI 125 FF according to ASME B16.1, PN 16 and 25 according to ISO 7005-1 and ISO 7005-2 Threaded Rp EN 10226-1, NPT ASME B1.20.1 (only for 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
Body	<ul style="list-style-type: none"> Cast steel ASTM A216 WCB Ductile cast iron GS 400-18 ISO 1083
Cover	Die cast aluminum
Seat	Brass
Sealing ring	Nitril 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 700** 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 class VIII according to ANSI/FCI 70-3.



EN 334



PED-CE

Dival 700 competitive advantages



Operates with low differential pressure



High accuracy



Fail Open



Token IRV



Internal sensing line



Top Entry



Easy maintenance



Built-in accessories



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