

Norflux

The **Norflux** is a **direct-operated** regulator controlled by a diaphragm and setting spring which controls the valve. It is mainly used for high-pressure transmission systems and for medium pressure natural gas distribution networks with previously filtered non-corrosive gases. According to the European Standard, it is classified as **Fail Open**. The Norflux is **Hydrogen Ready** for NG-H2 blending.



City gates



District stations

Features	Values	
Design pressure* (PS ¹ / DP ²)	up to 10.0 MPa up to 1450 psig	
	Standard version	Arctic version
Ambient temperature* (TS ¹)**	from -20 °C to +65 °C from -4 °F to +150 °F	from -40 °C to + 65°C from -40 °F to +150 °F
Inlet gas temperature*.,***	from -10°C to + 60°C from +14 °F to +140 °F	from -20 °C to +60 °C from -4 °F to +140 °F
Inlet pressure (MAOP / p _{umax} ¹)	from 0.1 to 9.5 MPa from 14.5 to 1378 psig	
Range of downstream pressure (Wd ¹)	from 0.07 to 0.4 MPa from 10 to 58 psig	
Available accessories	incorporated slam-shut	
Minimum operating differential pressure (Δp _{min} ¹)	48 kPa 7 psig	
Accuracy class (AC ¹)	up to 10 (depending on working conditions)	
Lock-up pressure class (SG ¹)	up to 10 (depending on working conditions)	
Nominal size (DN ^{1,2})	DN 50 2"	
Orifice Sizes	2"	
Connections	Class 300/600 RF / RTJ according to ASME B 16.5	

(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	Cast steel ASTM A352 LCC
Cover	ASTM A 350 LF2 steel
Seat	Stainless steel
Diaphragm	Vulcanized rubber
Sealing ring	Nitrile rubber
Compression fittings	Zinc-plated carbon steel

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

Table 2 Materials

The **Norflux** regulator is designed according to European standard EN 334. The regulator reacts in opening (Fail Open) according to EN 334. Leakage class: bubble tight, better than class VIII according to ANSI/FCI 70-3.



EN 334

Norflux competitive advantages



Compact and simple design



Built-in accessories



Operates with high differential pressure



Easy maintenance



Spring loaded regulator for high pressure



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