

# Syncroflux

The **Syncroflux** is a **quick opening regulating valve** with an electric actuator. It is mainly used for **pressure and/or flow control applications**. This regulating valve is suitable for use with previously filtered, non corrosive gases, in natural gas transmission, power plants fuel gas skids and distribution networks as well as high load industrial applications. It has a top-entry body suitable for flanged coupling.



Gas liquefaction



City gates



Power generation



Gas compression /  
booster stations



Heavy industries



LNG marine



Gas storage



Regasification



Gas reverse-flow

Features	Values
Design pressure* (PS <sup>1</sup> / DP <sup>2</sup> )	up to 10.2 MPa up to 1479 psig
Ambient temperature* (TS <sup>1</sup> )	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
Rangeability	up to 1:1000
Available Accessories	DB/819 Silencer, slam shut SB/82 and HB/97
Nominal size (DN <sup>1,2</sup> )	DN 25   1"; DN 50   2"; DN 80   3"; DN 100   4"; DN 150   6"; DN 200   8"; DN 250   10"
Connections	ANSI 150, 300 and 600 according to ASME B16.5 and PN 16 according EN 1092
End to end dimensions	according to EN 334

(<sup>1</sup>) according to EN334 standard

(<sup>2</sup>) 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
Body	Cast steel ASTM A 352 LCC for classes ANSI 600 and 300 Cast steel ASTM A 216 WCB for classes Ansi 150 and PN 16/40
Motor's coupling flange	ASTM A350 LF2
Stem	AISI 416 stainless steel
Plug	ASTM A 350 LF2 Nickel coated on sealing surface
Valve seat	Nitrile Rubber Vulcanized on a metal support
Sealing ring	Nitrile rubber
Connection fittings	In zinc-plated carbon steel according to DIN 2353 Stainless steel on request.

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

**Table 2** Materials

The **Syncroflux** regulating valve is designed according to the European standard EN 334 and EN 1092. 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



EN 1092



PED-CE

## Syncroflux competitive advantages



Compact and simple design



Top Entry



High accuracy



Easy maintenance



High turn-down ratio



Built-in accessories



Electric motor control



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



Balanced type