

# Pilot series 300/A



Aperflux 851



Aperval



Terval



Aperflux 101



Aperval 101

Features	Values			
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			
Inlet pressure (MAOP / p <sub>umax</sub> <sup>1</sup> )	8.5 MPa 85 barg (depending on the model)			
Range of downstream pressure (Wd <sup>1</sup> )	from 0.5 kPa to 7.4 MPa from 5 mbarg to 74 barg (depending on the model)			
Models for Aperflux 851   Aperflux 101	302/A + AR100 restrictor	304/A + AR100 restrictor	305/A + AR100 restrictor	307/A + AR100 restrictor
Design pressure* (PS <sup>1</sup> / DP <sup>2</sup> )	up to 8.5 MPa up to 85 barg			
Minimum set-point P <sub>ds min</sub>	0.08 MPa 0.8 barg	0.7 MPa 7 barg	2 MPa 20 bar	4.1 MPa 41 bar
Maximum set-point P <sub>ds max</sub>	0.95 MPa 9.5 barg	4.3 MPa 43 bar	6 MPa 60 bar	7.4 MPa 74 bar
Models for Aperval   Aperval 101   Terval	301/A + AR100 restrictor		301/A/TR + AR100 restrictor	302/A + AR100 restrictor
Design pressure* (PS <sup>1</sup> / DP <sup>2</sup> )	up to 2.5 MPa up to 25 barg			
Minimum set-point P <sub>ds min</sub>	0.5 kPa 5 mbarg	10 kPa 100 mbarg	80 kPa 800 mbarg	
Maximum set-point P <sub>ds max</sub>	10 kPa 100 mbarg	0.2 MPa 2 bar	0.95 MPa 9.5 bar	

(<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	Aluminium
Cover	Aluminium
Obturator	NBR + Stainless steel
Seat	Stainless steel
Diaphragms	Nitrile rubber
Sealing rings	NBR
Screws	Stainless steel

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

**Table 2** Materials

The **Pilot 300/A** is designed according to the EN334 where applicable. Directive 2014/68/EU (PED) is not applicable due to Article 4 paragraph 3 of the Directive.



EN 334

## Pilot series 300/A competitive advantages



Compact and simple design



High accuracy



Remote set-point variation option (CS | FIO | MP)



Easy maintenance