

# Pilot series 200/A

The **pilot series 200/A** is a mechanical device which enables the working principle and the setpoint modifications of pilot operated gas pressure regulators. The pilot is optimized to enhance the accuracy and minimize the lock-up performances.



Reflux 819



Dixi



ASX 176



Reflux 819/FO



Reval 182



ASX 176/FO



Dixi AP



Terval R



Terval/AP

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> )	10.2 MPa 102 barg (depending on the model)		
Range of downstream pressure (Wd <sup>1</sup> )	from 0.03 to 7.4 MPa from 0.3 to 74 barg (depending on the model)		
Models for Reflux 819   ASX 176   Terval/AP	204/A + Prereducer (R14)	205/A + Prereducer (R14)	207/A + Prereducer (R14)
Design pressure* (PS <sup>1</sup> / DP <sup>2</sup> )	up to 10.2 MPa up to 102 barg		
Minimum set-point P <sub>ds min</sub>	0.03 MPa 0.3 barg	2 MPa 20 barg	4.1 MPa 41 bar
Maximum set-point P <sub>ds max</sub>	4.3 MPa 43 barg	6 MPa 60 bar	7.4 MPa 74 bar
Models for Reflux 819/FO   ASX 176/FO	204/A FO + Prereducer (R14)	205/A FO + Prereducer (R14)	207/A FO + Prereducer (R14)
Design pressure* (PS <sup>1</sup> / DP <sup>2</sup> )	up to 10.2 MPa up to 102 barg		
Minimum set-point P <sub>ds min</sub>	0.1 MPa 1 barg	2 MPa 20 barg	4.1 MPa 41 bar
Maximum set-point P <sub>ds max</sub>	3.3 MPa 33 barg	6 MPa 60 bar	7.4 MPa 74 bar
Models for Reval 182   Terval R	201/A + Prereducer (R31)	204/A + Prereducer (R14)	
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>	0.7 kPa 7 mbarg	0.02 MPa 0.2 bar	
Maximum set-point P <sub>ds max</sub>	58 kPa 580 mbarg	1.2 MPa 12 bar	

Features	Values	
Models for Dixi   Dixi AP	204/A Dixi + Prereducer (R14)	204/A Dixi AP + Prereducer (R14)
Design pressure* (PS <sup>1</sup> / DP <sup>2</sup> )	up to 1.6 MPa up to 16 barg	up to 8.5 MPa up to 85 barg
Minimum set-point P <sub>ds min</sub>	0.03 MPa 0.3 barg	0.03 MPa 0.3 barg
Maximum set-point P <sub>ds max</sub>	0.6 MPa 6 barg	2.5 MPa 25 barg
(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.		

**Table 1** Features

## Materials and Approvals

Part	Material
Body	Aluminium
Cover	Aluminium
Obturator	NBR
Seat	Stainless steel
Diaphragms	Nitrile rubber
Sealing rings	NBR
Screws	Stainless steel
<b>NOTE: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.</b>	

**Table 2** Materials

The **Pilot 200/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 200/A competitive advantages



Compact and simple design



High accuracy



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



Easy maintenance