

Pilot series 210/A



The **pilot series 210/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. This model specifically allow to have a fail-to-open regulator in case of pilot's failure.



Reflex 819



Reval 182



ASX 176



Terval/AP



Dixi

Features	Values		
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)	10.2 MPa 102 barg (depending on the model)		
Range of downstream pressure (Wd ¹)	from 0.03 to 7.4 MPa from 0.3 to 74 barg (depending on the model)		
Models type	214/A + Prereducer (R14)	215/A (pending) + Prereducer (R14)	217/A (pending) + Prereducer (R14)
Design pressure* (PS ¹ / DP ²)	up to 10.2 MPa up to 102 barg		
Minimum set-point P _{ds min}	0.03 MPa 0.3 barg	2 MPa 20 barg	4.1 MPa 41 bar
Maximum set-point P _{ds max}	4.3 MPa 43 barg	6 MPa 60 bar	7.4 MPa 74 bar

(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

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

Table 2 Materials

The **pilot series 210/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 210/A competitive advantages



Compact and simple design



High accuracy



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



Easy maintenance