



ADCAPure Pressure reducing valve Type 8846J series P130J stainless steel direct-acting Tri-clamp ASME BPE



The ADCAPure series P130J is a direct-acting, diaphragm-controlled pressure reducing valve with a balanced plug for high purity gases. This high-end pressure reducing valve distinguishes itself by featuring a compact design, FDA / USP Class VI compliant seals and a non-rising adjustment knob. It is completely machined from 316L stainless steel bar stock, without usage of either castings or forgings, and both the internal and external parts are polished and subsequently cleansed ultra-sonically. The ADCAPure series P130J has been specifically designed for UHP (Ultra High Purity) gas systems as found in pharmaceutical, cosmetic, fine-chemical, food and beverage industries, amongst others.

Reduced pressure ranges.

- 0.2 - 1.5 bar.
- 0.3 - 4.0 bar.
- 2.0 - 8.0 bar.

Where pressure ranges overlap, the best regulation is obtained with the lighter spring.

Characteristics

Series: P130J
Type: 8846J
Model: Direct-acting
Process connection: Tri-clamp
Standard connection: ASME-BPE
Maximum inlet pressure: 16 bar
Min. outlet pressure [bar]: 0.2 bar
PMA - maximum allowable pressure: 16 bar
TMA - maximum allowable temperature: 150 °C
Suitable for gases: Yes
Housing material: Stainless steel 316L
Material quality: 1.4404
Material adjustment knob: Stainless steel 316L [1.4404]
Seat material: Stainless steel [1.4404]
Upper diaphragm material: EPDM
Lower diaphragm material: Gylon
Spring material: Stainless steel 316 [1.4401]
Internal roughness value: $\leq 0.51 \mu\text{m Ra} - \text{SF1}$
External roughness value: $\leq 0.76 \mu\text{m Ra} - \text{SF3}$
Mounting direction: Horizontal
Flow direction: through arrow marking on housing
Approvals: PED 2014/68/EU fluid group 2

Application

- Clean gases.
- Clean Air.
- Oxygen.
- Nitrogen.
- Argon.
- Carbon dioxide.
- Liquids and gases that do not affect the structure.
- Recommended in: Pharma

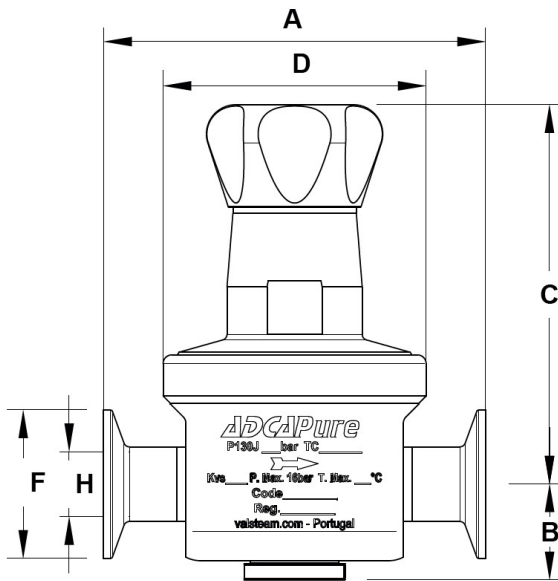
Technical Information

- Installation in a horizontal position with the adjustment knob pointing vertically upwards. Other installation positions may increase wear and shorten its service life.

Options

- Self relieving.
- Dome-loading.
- Top cover [set screw with cover].
- Various soft seals for liquids and gases.
- Connection for leak line.
- Panel mounting.
- Wall mounting.
- Degreased for oxygen application.
- Gauge connection.
- Plastic adjustment knob (nylon).

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.



Size table:

Dimension	A	B	C	D	F	H	Weight
	mm	mm	mm	mm	mm	mm	kg
1/2"	130	32	129	90	25	9.4	3.4
1"	130	32	129	90	50.5	22.1	3.4
3/4"	130	32	129	90	25	15.75	3.4

Size process connection	Kvs value m ³ /h	Reduced pressure range bar	PED classification	Article
1/2"	1.7	0.3 / 3	PED-SEP	14528089
1/2"	1.7	2 / 8	PED-SEP	14528094
1/2"	1.7	0.2 / 1.5	PED-SEP	14528084
1/2"	1.7	2 / 8	PED-SEP	14528162
1/2"	1.7	2 / 8	PED-SEP	14528161
1/2"	1.7	2 / 8	PED-SEP	14528173
1"	2.4	2 / 8	PED-SEP	14528098
1"	1.7	0.3 / 3	PED-SEP	14528091
1"	2.4	0.3 / 3	PED-SEP	14528093
1"	2.4	0.2 / 1.5	PED-SEP	14528088
1"	1.7	2 / 8	PED-SEP	14528096
1"	1.7	0.2 / 1.5	PED-SEP	14528086
3/4"	1.7	0.3 / 3	PED-SEP	14528090
3/4"	1.7	0.2 / 1.5	PED-SEP	14528085
3/4"	2.4	0.2 / 1.5	PED-SEP	14528087
3/4"	1.7	2 / 8	PED-SEP	14528095
3/4"	2.4	2 / 8	PED-SEP	14528097
3/4"	2.4	0.3 / 3	PED-SEP	14528092

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