



ADCAPure Pressure reducing valve Type 8846L series P130L stainless steel direct-acting Tri-clamp DIN 32676-A



The ADCAPure series P130L is a low-flow, direct-acting, diaphragm-controlled pressure reducing valve 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: P130L

Type: 8846L

Model: Direct-acting

Process connection: Tri-clamp

Standard connection: DIN 32676-A

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: TFM1600/EPDM

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

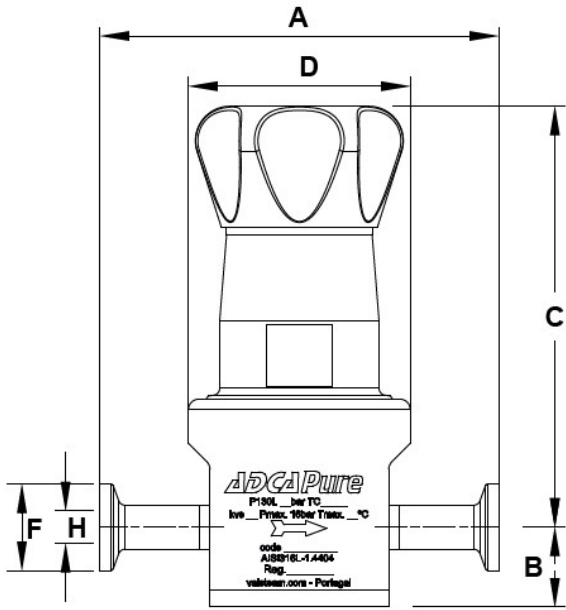
- Clean gases.
- Clean Air.
- Oxygen.
- Nitrogen.
- Argon.
- Carbon dioxide.
- Liquids and gases that do not affect the structure.
- Recommended in: Pharma

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).



Size table:

Dimension	A	B	C	D	F	H	Weight
	mm	mm	mm	mm	mm	mm	kg
DN10	115	23	20	64	34	10	2.11
DN15	115	23	20	64	34	16	2.13
DN20	115	23	20	64	34	20	2.15

Size process connection	Capacity type	Kvs value m³/h	Reduced pressure range bar	PED classification	Article
DN10	LC	0.06	2 / 8	PED-SEP	14528143
DN10	LC	0.19	0.2 / 1.5	PED-SEP	14528139
DN10	LC	0.19	0.3 / 3	PED-SEP	14528141
DN10	LC	0.06	0.3 / 3	PED-SEP	14528140
DN10	LC	0.25	2 / 8	PED-SEP	14528145
DN10	LC	0.19	0.2 / 1.5	PED-SEP	14528138
DN10	LC	0.25	0.3 / 3	PED-SEP	14528142
DN10	LC	0.19	2 / 8	PED-SEP	14528144
DN10	LC	0.06	0.2 / 1.5	PED-SEP	14528137
DN15	LC	0.25	0.2 / 1.5	PED-SEP	14528150
DN15	LC	0.06	0.2 / 1.5	PED-SEP	14528146
DN15	LC	0.25	2 / 8	PED-SEP	14528160
DN15	LC	0.19	0.3 / 3	PED-SEP	14528154
DN15	LC	0.25	0.3 / 3	PED-SEP	14528156
DN15	LC	0.06	2 / 8	PED-SEP	14528158
DN15	LC	0.19	2 / 8	PED-SEP	14528159
DN15	LC	0.19	0.2 / 1.5	PED-SEP	14528148
DN15	LC	0.06	0.3 / 3	PED-SEP	14528152
DN20	LC	0.25	2 / 8	PED-SEP	14528177
DN20	LC	0.19	0.3 / 3	PED-SEP	14528155
DN20	LC	0.06	0.3 / 3	PED-SEP	14528153
DN20	LC	0.25	0.3 / 3	PED-SEP	14528157
DN20	LC	0.06	0.2 / 1.5	PED-SEP	14528147
DN20	LC	0.19	0.2 / 1.5	PED-SEP	14528149
DN20	LC	0.19	2 / 8	PED-SEP	14528176
DN20	LC	0.25	0.2 / 1.5	PED-SEP	14528151
DN20	LC	0.06	2 / 8	PED-SEP	14528175

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