



SANITARY PRESSURE SUSTAINING VALVE PS-130

DESCRIPTION

The ADCA PS-130 series **direct acting, spring-loaded diaphragm sensing**, pressure sustaining valves are designed for use on clean steam, compressed air, water and other gases or liquids compatible with the materials of construction .

MAIN FEATURES

Compact design.
Completely machined from barstock material, no castings or forgings are used on the standard version.
No rising stem

STANDARD SURFACE FINISH

Internal wetted parts: 0,5 microns Ra

External :

Body and cover– Fine machined
(mechanical or electro polished as option)



St.Steel hand wheel

OPTIONS:

Leakage line connection 1/8" (captured vent).
Different soft valves for liquids and gases.
Casted cover (CF8M) with rising stem hand wheel for economic reasons.

USE:

Clean steam, compressed air, water and other gases and liquids compatible with the construction.

AVAILABLE MODELS:

PS-130

SIZES:

DN1/2" to DN1" ; DN15 to DN25

SPRING RANGES:

0,2 – 1,5 bar; 0,3 – 3 bar; 0,8 – 8 bar.

CONNECTIONS:

Clamp ends or others on request

INSTALLATION:

Inline horizontal installation.

ORDER REQUIREMENTS:

Type of fluid
Maximum operating temperature
Inlet pressure and required outlet pressure
Capacity (maximum and minimum).



Aluminium hand wheel

CE MARKING (PED - European Directive 97/23/EC)	
PN 16	Category
DN 1/2" to 1"	SEP - art. 3, paragraph3

LIMITING CONDITIONS	
Valve model	PS-130
Body design conditions	PN 16
Max.upstream pressure	8 bar
Min.upstream pressure	0,8 bar
Max.design temperature *	150 °C

*Other on request.

DIMENSIONS (mm)

SIZE DN	A ASME BPE	A ISO 1127	B	C	D	WGT. Kgs BPE	WGT. Kgs ISO
1/2" - 15	130	115	27	131	80	2,6	3,1
3/4" - 20	130	115	27	131	80	2,7	3,1
1" - 25	130	115	27	131	80	3,2	3,1

Valve with aluminium hand wheel weights less 0,24 kgs

Different dimensions and standards on request.

Consult factory for certified dimensions and weights.

CAPACITIES

Valve Size	1/2" - 15	3/4" - 20	1" - 25
KVs (m3/h)	3	3,2	3,3

Reduced Kv on request

Connection examples

Clamp	Round thread	Flange

MATERIALS

POS.	DESIGNATION	MATERIAL
1	Valve body	AISI316L / 1.4406
2	Cover	AISI316L / 1.4404
3	Seat cover	AISI316L / 1.4404
4	* O-ring	Viton / EPDM
5	*Piston plug	AISI316L / 1.4404
6	* Valve head	AISI316L / 1.4404 ; Viton ,PTFE
10	* Lower diaphragm	PTFE
11	* Upper diaphragm	EPDM
12	Washer	AISI304 / 1.4301
13	Spring plate	AISI304 / 1.4301
14	Nut	St.steel A2-70
15	* Adjustment spring	AISI302 / 1.4300
16	Spring plate	AISI304 / 1.4301
17	Adjustment screw	AISI304 / 1.4301
18	Retaining washer	St.steel A2-70
19	Handwheel	AISI316L / 1.4404
19	Handwheel	Aluminium white painted
20	O-ring	EPDM
22	Bearing	Corrosion res. Steel
23	Ext. bowed shaft ring	Stainless steel
24	Cover nut	Plastic

* Available spare parts.

Remarks: FDA/USP Class VI seals certificate on request

All valves have a serial number. In case of non-standard valves this number must be supplied if spare parts are ordered.

