



SANITARY PRESSURE REDUCING VALVE P130G

DESCRIPTION

The ADCA P130G series direct acting, spring-loaded diaphragm sensing, balanced plug, pressure reducing valves are designed for use with clean air, nitrogen, carbon dioxide, oxygen, argon and other gases or liquids compatible with the construction materials and valve design.

This valve is specifically designed for the high purity gas systems found in the pharmaceutical, cosmetic, fine chemical and food & beverage processes.

MAIN FEATURES

Compact design. Completely machined from 316L stainless steel bar stock, no castings or forgings are used. FDA / USP Class VI compliant seals. No rising stem.

STANDARD SURFACE FINISH Internal wetted parts: $\leq 0,51$ micron Ra – SF1. External: $\leq 0,76$ micron Ra – SF3. Other surface conditions see IS PV20.00 E – Technical information. Ultrasonic cleaning.

OPTIONS:	Self relieving. Leakage line connection 1/8" (captured vent). Gauge connection on body. Different soft valves for liquids and gases.							
USE:	Clean air, nitrogen, carbon dioxide, oxygen, argon and other gases or liquids compatible with the construction.							
MODELS:	P130G.							
SIZES: OUTLET SPRING	11/2"; DN 32 and DN 40.							
RANGES:	0,2 – 1,5 bar; 0,3 – 3 bar; 2 – 8 bar.							
CONNECTIONS:	Clamp ends or others on request.							
PACKAGING:	Assembling and packaging in a clean room certified according to ISO 14644-1. The product is end capped and sealed with recyclable thermo-shrinkable plastic film, to avoid contamination.							
INSTALLATION: ORDER	Horizontal installation recommended.							
REQUIREMENTS:	Type of fluid. Maximum operating temperature. Inlet pressure and required outlet pressure Capacity (maximum and minimum).							

CE MARKING (PED – European Directive)							
PN16	Category						
11/2" ; DN 32 ; DN 40	SEP						





Cutaway view with pressure gauge connection

LIMITING CONDITIONS								
Valve model	P130G							
Body design conditions	PN16							
Max. upstream pressure	16 bar							
Max. downstream pressure	8 bar							
Min. downstream pressure	0,2 bar							
Max. design temperature *	150 ºC							

* Other on request.

VALSTEAM ADCA

We reserve the right to change the design and material of this product without notice.





CAPACITIES											
		BPE			DIN						
Valve size		11/2"		D	N 32 and	40	DN 32				
Kvs *	4,2	4,8	6,3	4,2	4,8	6,3	4,2	4,8	6,3		

DIMENSIONS (mm) ASME BPE												
SIZE	A **	В	с	ØD	Ø d1	Ø d2 **	Е	F	н	WEIGHT (kg)		
11/2"	148	48	140	100	25	15,75	78,5	50,5 34,8		4,99		

	DIMENSIONS (mm) DIN												
SIZE DN	A **	в	с	ØD	Ø d1	Ø d2 **	Е	F	н	WEIGHT (kg)			
32	133	48	140	100	25	15,75	78,5	50,5	32	4,98			
40	133	48	140	100	25	15,75	78,5	50,5	38	4,94			

Clamp ferrules DIN 32676 Series A; Tube weld DIN 11866 Series A (DIN 11850 Series 2).

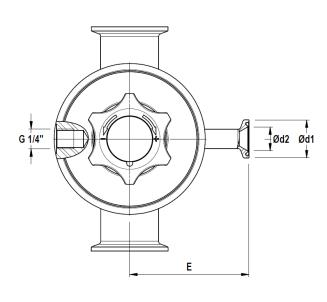
DIMENSIONS (mm) ISO											
SIZE DN	A **	В	C Ø D Ø d1 Ø d2 **		Е	F	н	WEIGHT (kg)			
32	133	48	140	100	25	15,75	78,5	64	42,4	5,1	

Clamp ferrules DIN 32676 Series B; Tube weld DIN 11866 Series B (ISO 1127 Series 1).

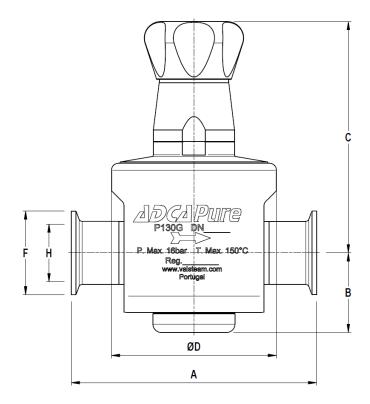
* Reduced Kvs on request.

** Special versions or non-standard sanitary clamp ferrules are available on request, both for the inlet/outlet and pressure gauge connection.

Valves with vinyl handwheel weights less 0,3 kg.



Pressure gauge connection. (Optional)



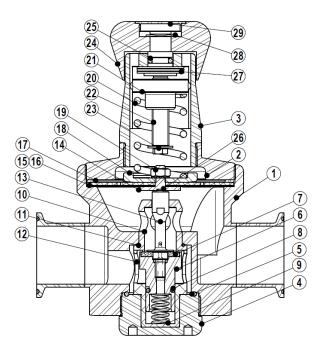


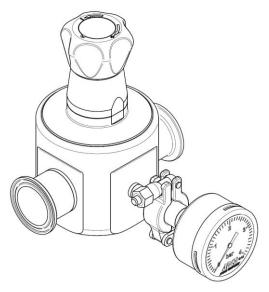


MATERIALS										
POS. Nº	DESIGNATION	MATERIAL								
1	Valve body	AISI 316L / 1.4404								
2	Cover	AISI 316L / 1.4404								
3	Spring cover	AISI 316L / 1.4404								
4	Seat cover	AISI 316L / 1.4404								
5	* O-ring	EPDM								
6	* Piston	AISI 316L / 1.4404								
7	* Valve head	AISI 316L / 1.4404 ; Viton ; PTFE								
8	* O-ring	EPDM								
9	* Valve spring	AISI 316 / 1.4401 Electropolished								
10	* Seat	AISI 316L / 1.4404								
11	* O-ring	EPDM								
12	* Piston guide	PTFE								
13	* Stem	AISI 316L / 1.4404								
14	Pusher disc	AISI 316L / 1.4404								
15	* Lower diaphragm	PTFE (Gylon)								
16	* Upper diaphragm	EPDM								
17	Washer	AISI 304 / 1.4301								
18	Spring plate	AISI 304 / 1.4301								
19	Nut	Stainless steel A2-70								
20	* Adjustment spring	AISI 302 / 1.4300								
21	Spring plate	AISI 304 / 1.4301								
22	Adjustment screw	Brass								
23	Retaining washer	Stainless steel A2-70								
24	Handwheel	AISI 316L / 1.4404								
24	Tandwileei	Vinyl								
25	O-ring	NBR								
26	** O-ring	EPDM								
27	Bearing	Corrosion resistant steel								
28	Ext. bowed shaft ring	Stainless steel								
29	Cover nut	Plastic								

* Available spare parts. ** On request.

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.





Pressure gauge connection. (Optional)



We reserve the right to change the design and material of this product without notice.





	11300												
Valve model	P3G	1	3	Т	Μ	Χ	Ι	Х	Х	Χ	D	32	Ε
P130G – AISI 316L / 1.4404 diaphragm sensing regulator	P3G												
Outlet spring range													
0,2 to 1,5 bar													
0,3 to 3 bar													
2 to 8 bar													
Flow capacity													
Kvs – 4,2			2										
Kvs – 4,8			3										
Kvs – 6,3			5										
Diaphragm material													
PTFE (Gylon)				Т									
Valve head													
Metal to metal (non-standard)					Μ								
EPDM					Ε								
PTFE					Т								
FPM / Viton					۷								
Relieving													
Non-relieving						Х							
Relieving (only for non-dangerous gases)						R							
Relieving with captured vent						L							
Regulating knob and top cap													
Stainless steel							-						
Plastic							Ρ						
Top cap (adjusting screw sealing)							Т	1					
Gauge port options													
Without gauge ports								Х					
Tri-clamp gauge port on the left side (rel. to the flow direction) - Down	stream	pres	sure	Э				7					
Tri-clamp gauge port on the right side (rel. to the flow direction) - Dow	/nstrean	n pre	essu	re				6					
Tri-clamp gauge port on both sides – Downstream pressure								5					
Threaded gauge port on the left side (rel. to the flow direction) - Dowr	nstream	pres	sur	е				4					
Threaded gauge port on the right side (rel. to the flow direction) - Dow	vnstrear	n pre	อรรเ	ire				3					
Threaded gauge port on both sides – Downstream pressure								2					
Surface finish, special services and op	ptions							<u>.</u>					
None (fine machined)									х				
Mechanical polishing									Р				
Electropolishing									Е				
Special features													
None										Χ			
Degreased for oxygen										0			
Pipe connection													
Clamp ferrule ASME BPE											D		
Clamp ferrule DIN (DIN 32676-A)											F		
Clamp ferrule ISO (DIN 32676-B)											Е		
ETO according to ASME BPE					DI								
ETO according to DIN 11966-A (DIN 11850-2)													
ETO according to ISO 1127-1													
Size													
DN 32												32	
11/2" or DN 40												40	
Special valves / Ext	ras											-	
Full description or additional codes have to be added in case of non-s		com	bina	atior	1								Е