



STEAM EQUIPMENT

PRESSURE REDUCING VALVE Clean Steam P-160

ADCAPURE

DESCRIPTION

The ADCA P-160 series *direct acting, spring-loaded diaphragm sensing*, pressure reducing 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.

Body machined from barstock materials, no wetted parts

made from forgings or castings. Self draining design

When the system is depressurised, the valve is open

STANDARD SURFACE FINISH Internal parts: 0,5 microns Ra

External:

Body - Fine machined

(polished or electro polished as option)

Cover - satin bead blast finish - 1,6 microns Ra

(polished as option)

OPTIONS: Different soft valves for water and gases.

Regulating screw with top cap.

Lock system, allows clean-in-place (CIP) and sterilization-in-place (SIP) operations with valve

in line.

Sealed spring cover with leakage line

connection, if hazardous or toxic fluids are used.

USE: Clean steam, compressed air, water and other

gases and liquids compatible with the

construction.

AVAILABLE

MODELS: P-160

SIZES: DN3/4", 1", 11/2", 2"; DN 20, 25, 40, 50

OUTLET SPRING

RANGES: 0.8 - 1.5 bar; 1 - 3 bar; 1.5 - 5 bar.

CONNECTIONS: Clamp end or others on request

INSTALLATION: Horizontal installation. Inlet vertical and

horizontal outlet angle connection..
ORDER

REQUIREMENTS: Type of fluid

Maximum operating temperature

Inlet pressure and required outlet pressure

Capacity (maximum and minimum).



LIMITING CONDITIONS		
Valve model	P-160	
Body design conditions	PN 16	
Max.upstream pressure	8 bar	
Max.downstream pressure	5 bar	
Min.downstream pressure	0,8 bar	
Max.design temperature * 150 ²⁴		
*0.1		

^Ot	ner	on	request.	

CE MARKING (PED - European Directive 97/23/EC)		
PN 16	Category	
DN 3/4" to 2"	SEP - art. 3, paragraph3	









	DIMENSIONS (Clamp conn.)				
SIZE DN	Α	В	С	D	WGT. Kgs
3/4"-20	85	55	260	125	6,7
1"-25	85	55	260	125	6,8
11/2"-40	70	70	270	125	7,6
2"-50	70	70	270	125	7,8

^{*} Different lenghts on request.

Consult factory for certified dimensions

Dimensions subject to change without notice

CAPACITIES				
Valve Size	3/4''-20	1"-25	11/2"-40	2"-50
KVs (m3/h)	1,3* - 3	3,5	4,5	5,2

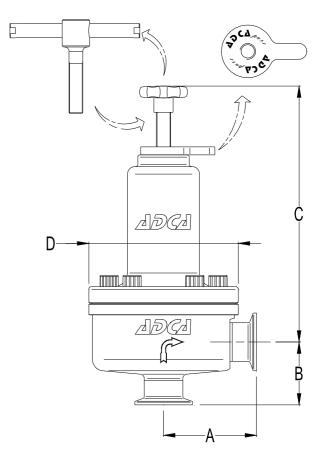
^{*}Max.available Kvs with ASME BPE clamp connection

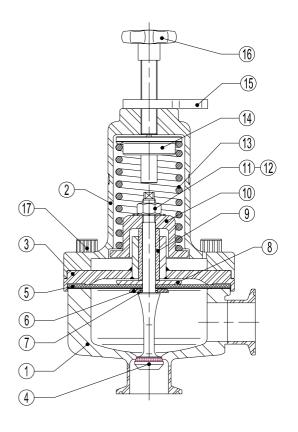
Connection examples			
Clamp	Round thread	Flange	
		(in-month)	

	MATERIALS			
POS.	DESIGNATION	MATERIAL		
1	Valve body	AISI316L / 1.4404		
2	Cover	AISI316 / 1.4401 ; CF8M / 1.4408		
3	Centering plate	AISI316 / 1.4401		
4	*Valve plug	AISi316L/1.4404; EPDM-PTFE,etc		
5	*Diaphragm	**PTFE;EPDM		
6	Pusher disc	AISI316L / 1.4404		
7	O-ring	Viton		
8	Diaphragm plate	AISI316 / 1.4401		
9	Guide	AISI316 / 1.4401		
10	Spring plate	AISI316 / 1.4401		
11	Nut	St.Steel A2-70		
12	Washer	AISI316 / 1.4401		
13	*Adjustment spring	St.Steel		
14	Top spring plate	AISI316 / 1.4401		
15	Locknut	AISI316 / 1.4401		
16	Handwheel	Plastic or Stainless steel		

^{*} Available spare parts.

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







^{**}Others according to the fluid