

PNEUMATIC ANGLE TYPE INTERCEPTION VALVE Type PAV 20

DESCRIPTION

The PAV series angle seat interception valves are designed for steam, gas and other fluids used on the process industry and they are the effective response to fluid interception when flexibility and cost is requested. Connections are female screwed or flanged.

MAIN FEATURES

Stainless steel body with high coefficient of flow.
Resistance to corrosion
Low air consumption
Nylon rotational servo control
Self-centring plug with soft sealing
Live loading packing gland
Nimur connection

OPTIONS:

Bronze body construction
Pilot solenoid valves
Adjustable stroke limiter
Electromechanical switches

USE:

Saturated steam, water and other fluids compatible with the construction.

AIR SUPPLY:

5 bar / 10 bar

AVAILABLE

MODELS:

PAV 20 - Pneumatic angle valve

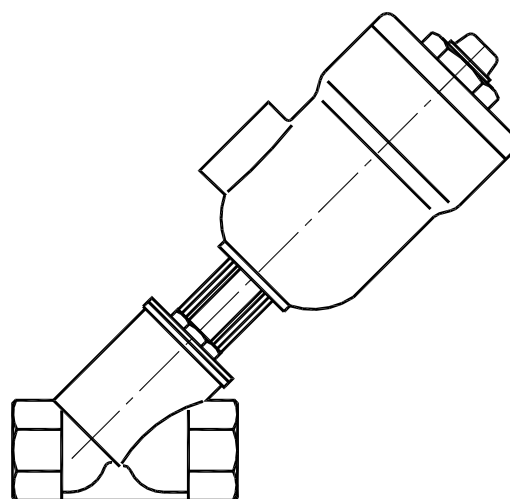
SIZES:

DN 1/2" – DN 2 1/2" ; DN 15 – DN 65

VALVE LIMITING

CONDITIONS:

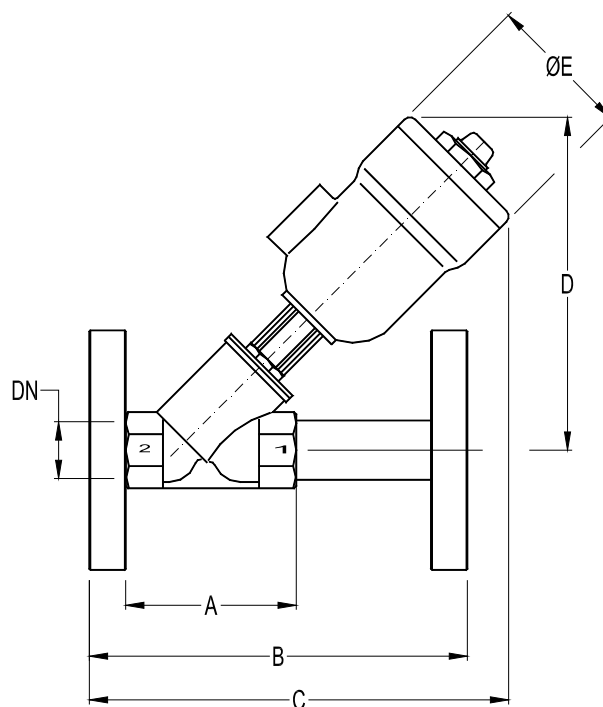
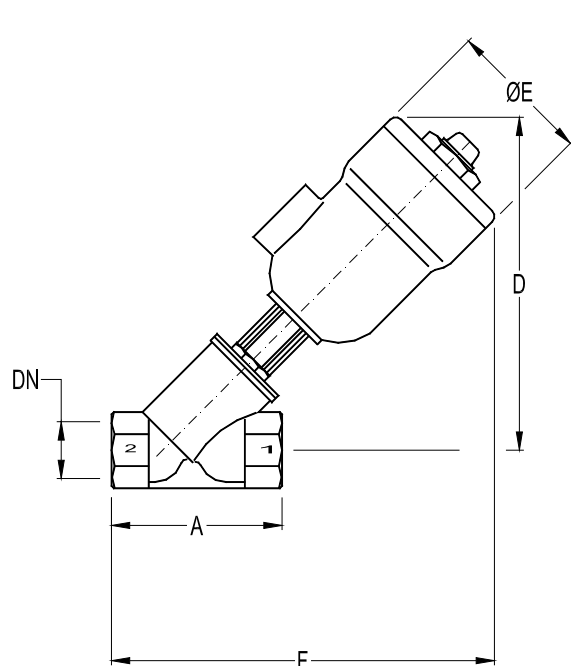
Body design conditions:
PN40,PN25,PN16
Max. Working temperature: 190 °C
Min. Working temperature: -10 °C
(Valves DN1/2" and DN3/4" with actuator 32 limited to 140°C only)
Ambient temp. : -10 °C ...+ 80 °C



MAX. PERMISSIBLE PRESS.DROP IN bar - Normally closed valve (fluid to open) -Reverse action actuator (air signal to open)

ACTUATOR	SIZES						
	DN15	DN20	DN25	DN32	DN40	DN50	DN65
	Kvs 5,8	Kvs 9,8	Kvs 18,6	Kvs 26,9	Kvs 42	Kvs 57	Kvs 98,5
PPA-32	12	7	-	-	-	-	-
PPA-50	18	14	9	-	-	-	-
PPA-70	35	25	20	13	8	5,5	-
PPA-100	-	-	34	22,5	20	14	6,5

Kvs in m3/h , see data sheet IS PV10.00 E ; For conversion Kvs = Cv(US) x 0,855



DIMENSIONS - VALVE BODY

DN	Actuator Ø	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	WEIGHT Kgs
15	32	65	130	-	105	65	1
15	50	65	130	195	166	73	1,1
15	70	65	130	222	192	93	1,6
20	32	75	150	-	110	65	1,2
20	50	75	150	202	171	73	1,3
20	70	75	150	229	197	93	1,8
25	50	90	160	217	180	73	1,5
25	70	90	160	244	206	93	2
25	100	90	160	305	267	127	3,1
32	70	110	180	257	214	93	2,6
32	100	110	180	318	275	127	3,7
40	70	120	200	262	219	93	2,8
40	100	120	200	323	280	127	3,9
50	70	150	230	280	228	93	3,7
50	100	150	230	331	270	127	4,8
65	100	177	290	374	319	127	6,9

ORDERING CODES PAV20

VALVE CODES	PAV	.20				.X.	
Group Designation							
Pneumatic angle valve	PAV						
Valve Model							
Stainless steel construction		.20					
Valve Plug							
Soft (PTFE/GR)			1				
Pipe Connection							
Threaded BSP ISO 7/1 Rp				A			
Flanged EN 1092-1 PN40				N			
Size							
DN 15					15		
DN 20					20		
...							
Actuator					(1)		
Extras (3)						E	

ACTUATOR CODES (pneumatic)

	P.		
Group Designation			
Piston pneumatic actuator PPA 32	.32		
Piston pneumatic actuator PPA 50	.50		
Piston pneumatic actuator PPA 70	.70		
Piston pneumatic actuator PPA 100	.100		
Actuator Type			
Direct action (air to close)	.D		
Reverse action (air to open)	.R		
Actuator Construction			
Nylon		(2)	
Stainless steel		I	

→ To be introduced on ".X.", if supplied in combination with the valve.

(1)- Indicate actuator type.

(2)- Omitted if the standard actuator is selected.

(3)- To be used only when a non-standard