





"ADCATROL" OVERFLOW VALVE (By-pass valve) OVF-40

DESCRIPTION

The OVF-40 overflow (by-pass) valves are single seated, two-way body constructed with in-line straight connections. The valve plug opens against outside regulating spring when the pre-selected differential pressure on the valve rises.

MAIN FEATURES

Stainless steel bellows sealed Valve top flange permanently attached to the body, removal is unnecessary for replacing the spring.

Metal to metal sealing as standard.

OPTIONS: Soft sealing and stellite seat and plug.

USE: Diathermic heat transfer oil and other

fluids compatible with the construction

AVAILABLE

MODELS: OVF40S

OVF40I

VALVE SIZES: DN25 to DN100

CONNECTIONS: Flanged EN1092-2 - PN40

STEM SEALING: Stainless steel bellows

PLUG CHARACT .: PL - Linear

PLUG DESIGN: V-ported

PORT: Full port as standard

OPENING

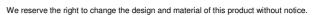
PRESSURE: 1 - 4 bar

CE MARKING (PED - European Directive 97/23/EC)						
PN 16 PN 25 PN 40 Category						
DN15 to DN50	I15 to DN50 DN15 to DN40		SEP - art. 3, paragraph3			
DN65 to DN100	DN50 to DN100	DN40 to DN80	1 (CE Marked)			
		DN100	2 (CE Marked)			

-	ITING CONDITIONS 6 - PN40 *	VALVE BODY LIMITING CONDITIONS OVF40I - PN40 *		
ALLOWABLE	ALLOWABLE RELATED PRESSURES TEMPERATURE		RELATED TEMPERATURE	
PRESSURES				
40 bar	-10 /50º C	40 bar	-10 /50º C	
33,3 bar	200 ºC	33,7 bar	200 ºC	
27,6 bar	300 ºC	29,7 bar	300 ºC	
25,7 bar	350 ºC	28,5 bar	350 °C	
23,8 bar	400 ºC	27,4 bar	400 ºC	

^{*} Rating according to EN1092.1:2007



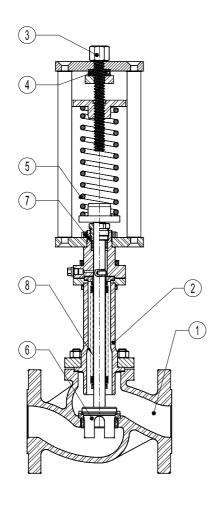


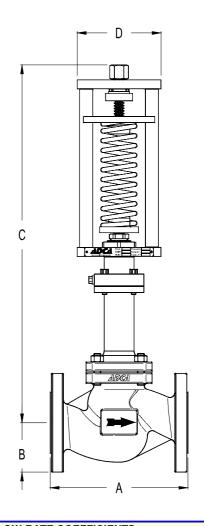




MATERIALS						
POS.	DESIGNATION	MATERIAL OVF40S	MATERIAL OVF40I			
1	Valve Body	ASTM A216WCB / 1.0619	CF8M / 1.4408			
2	Bonnet	CF8 / 1.4308	CF8 / 1.4308			
3	Adjusting nut	Steel 5	Steel 5			
4	Bearing	Steel	Steel			
5	*Spring	AISI 301 / 1.4310	AISI 301 / 1.4310			
6	Trim	Stainless steel	Stainless steel			
7	*Standard packing	Graphite	Graphite			
8	*Metal bellows	AISI316Ti / 1.4571	AISI316Ti / 1.4571			

^{*} Available spare parts





DIMENSIONS						
DN	A (mm)	B (mm)	C (mm)	D (mm)		
25	160	58	485	140		
32	180	70	495	140		
40	200	75	505	140		
50	230	83	570	140		
65	290	93	660	140		
80	310	100	675	140		
100	350	118	685	140		

FLOW RATE COEFFICIENTS							
	DN25	DN32	DN40	DN50	DN65	DN80	DN100
Kvs	9,4	15,4	22,2	40,1	63,4	89,7	136,7
Kvs in m3/h , see data sheet IS PV10.00 E ; For conversion Kvs = Cv(US) x 0.855							

VALVE STROKE IN mm							
	DN25	DN32	DN40	DN50	DN65	DN80	DN100
Stroke	20	20	20	20	30	30	30