Stop valve with bellow seals

Model 248

VYC

EN ASME/ANSI

Stop valve with bellow seals, maintenance-free, designed with external spindle and support guide, thus avoiding the atmospheric emissions of conventional valves.
Works with: steam, hot and superheated water, thermal oil, process water, gases, glycol, compressed air, neutral fluids, etc.
Applications in: process industry, shipbuilding, air conditioning systems, thermal oil installations and systems, vacuum installations ... etc.
In accordance with the requirements of the pressure equipment directive 2014/68/EU.

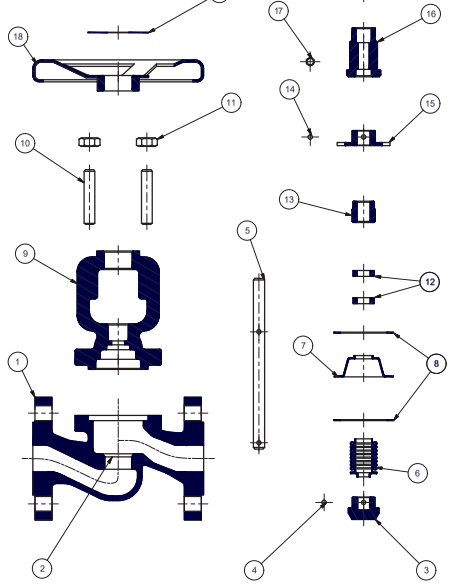
Specifications

— Design and manufacture compliant with EN 13709.
— Distances between flanges compliant with EN 558 series 1 and ASME B16.10.
— Flanges compliant with EN 1092-1, EN 1092-2 and ASME B16.5.
— Designed to be environmentally friendly.
— Materials carefully selected for wear, temperature and corrosion resistance.
— Valve free from silicones and asbestos.
— Simple construction.
— Easy installation with mounting possible at any position between 270º and 90º.
— Internal body designed to offer favourable flow profile.
— Long life cycle with high operating efficiency.
— Practically maintenance-free.
— Spindle with opening indicator, locking mechanism, torque limiter and greasing nipple.
— Spindle with external thread which allows higher working temperatures and a longer service life.
— Safety seals with high-quality graphite rings. They guarantee total prevention of atmospheric emissions in the unlikely event of a bellows breakage. This is a requirement of DIN Standard 4754 in thermal fluid installations.
— Removable gasket designed to avoid the transmission of vibration to the valve's spindle.
— Double-walled bellows, robust, welded to the spindle forming a water-tight assembly, next to the seal and disc, without any possibility of rotation so as to avoid breakages. The bellows disc is concave and joined to the bellows. This saves energy and contributes to the area round the valve handle being at a suitable temperature for operator safety.
— Stainless steel bellows welded to the plasma. Airtightness tested with helium, ensuring absolute reliability and long life.
— Reinforced support guide in a bridge design which provides thermal insulation.
— Ergonomic handle with protective cap for the spindle.
— In accordance with the safety specifications, the valve is an inseparable part of the set. When attaching the valve to any point of opening or closure, external blocking systems must be used, and the handwheel must never be dismantled.
— Treated closing surfaces, which are grinded, lapped and burnished in order to achieve a degree of leak-tightness that even exceeds that required by EN 12266-1 class A.
— All the valves are rigorously tested and verified.
— All components are numbered, registered and checked. If requested in advance, material, casting, test and efficiency certificates will be enclosed with the valve, and with the instruction manual, in accordance with P.E.D. 2014/68/EU.

IMPORTANT
We recommend, if necessary, the use of thermal and acoustic insulation textile jackets Model 008.
On order:
— Option for manufacturing in other materials for special working conditions (high temperatures, fluids, etc).
— Other connections.
— Gasket with regulating cone.
— Soft gaskets.

	Stainless steel (EN-1.4301)	Stainless steel (EN-1.4301)	Stainless steel (EN-1.4401)
	Stainless steel (EN-1.4021)	Stainless steel (EN-1.4021)	Stainless steel (EN-1.4401)
	Stainless steel (EN-1.4301)	Stainless steel (EN-1.4301)	Stainless steel (EN-1.4404)
	Stainless steel (EN-1.4301)	Stainless steel (EN-1.4301)	Stainless steel (EN-1.4401)
	Graphite + Stainless steel (EN-1.4301)	Graphite + Stainless steel (EN-1.4301)	Graphite + Stainless steel (EN-1.4401)
t	Nodular iron (EN-5.3103)	Cast steel (EN-1.0619)	Stainless steel (EN-1.4408)
	Cast steel (EN-1.1191)	Cast steel (EN-1.1191)	Stainless steel (EN-1.4401)
	-	Cast steel (EN-1.1141)	Stainless steel (EN-1.4401)
	Graphite	Graphite	Graphite
	Cast steel (EN-1.1191)	Cast steel (EN-1.1191)	Stainless steel (EN-1.4305)
	Cast steel (EN-1.1231)	Cast steel (EN-1.1231)	Stainless steel (EN-1.4301)
ck washer	Cast steel (EN-1.0037)	Cast steel (EN-1.0037)	Stainless steel (EN-1.4301)
	Cast steel (EN-1.1191)	Cast steel (EN-1.1191)	Bras (EN-CW617N)
	Bras (EN-CW617N)	Bras (EN-CW617N)	Bras (EN-CW617N)
	Cast steel (EN-1.0517)	Cast steel (EN-1.0517)	Cast steel (EN-1.0517)
	Cast steel (EN-1.1191)	Cast steel (EN-1.1191)	Cast steel (EN-1.1191)
	Stainless steel (EN-1.4301)	Stainless steel (EN-1.4301)	Stainless steel (EN-1.4301)
	Aluminium	Aluminium	Aluminium

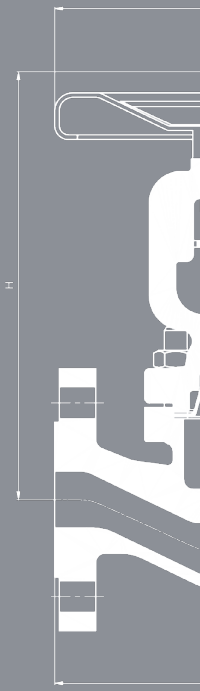
	15 to 300 (EN, ANSI)											
	16				40				40			
l bar	16,00	15,50	14,70	11,20	40,00	37,10	33,30	23,80	40,00	40,00	33,70	27,40
N °C	*RT	150	200	350	*RT	100	200	400	*RT	100	200	400
°C	-10				-20				-40			



*Room Temperature (-10 °C to 50 °C).

ADDITIONAL RESTRICTIONS:
PN-40 DN-125 PMS-33 bar
PN-40 DN-150 to 300 PMS-21 bar

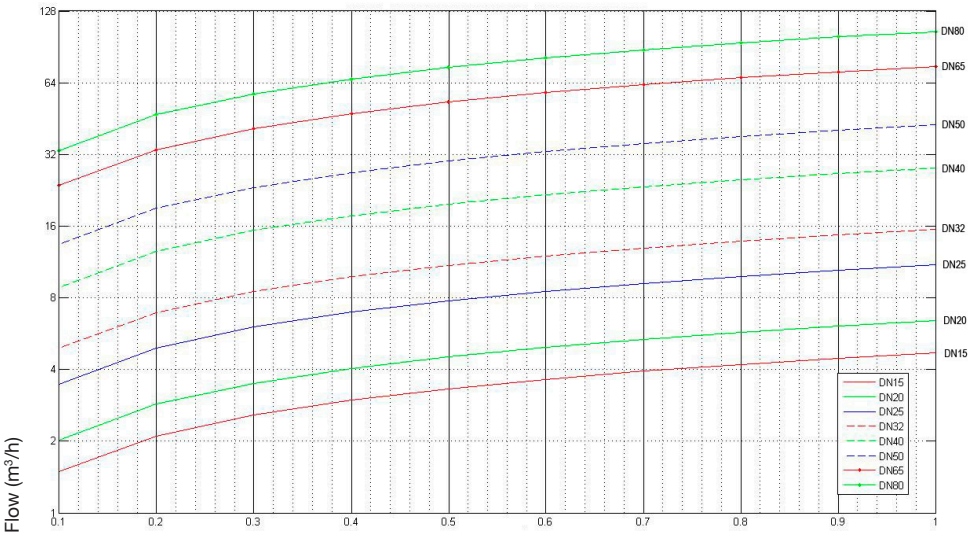
15	4,70
20	6,80
25	11,40
32	16,30
40	29,00
50	43,50
65	74,00
80	109,00
100	172,00
125	277,00
150	408,00
200	708,00



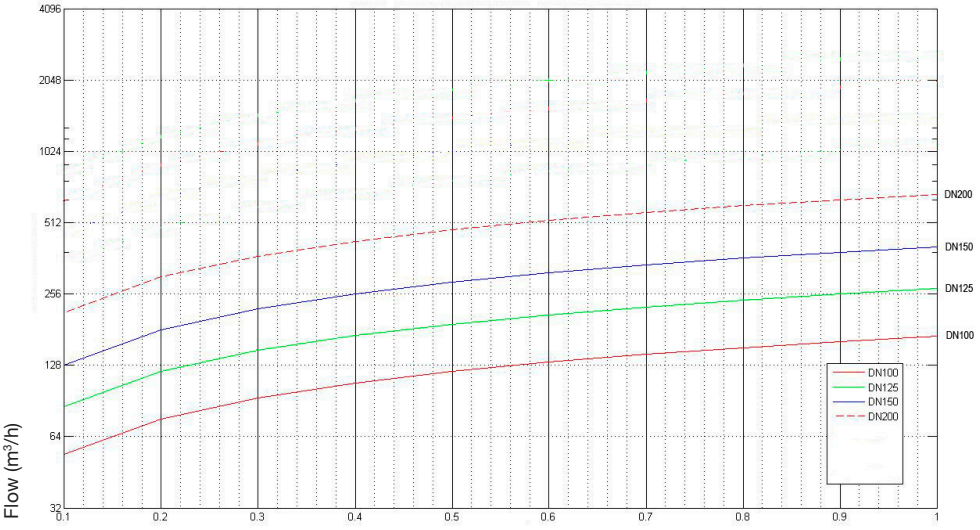
248																			
15				20				25				32				40			
1/2"				3/4"				1"				1 1/4"				1 1/2"			
I - Flanges PN-16 EN 1092-2																			
II - Flanges PN-40 EN 1092-1																			
III - Flanges Class 150 lbs ASME / ANSI B16.5																			
IV - Flanges Class 300 lbs ASME / ANSI B16.5																			
192				192				207				207				245			
240				240				256				267				325			
130				150				160				180				200			
108				117				127				140				165			
152				178				203				216				229			
140				140				160				160				180			
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
5	95	90	95	105	105	100	115	115	115	110	125	140	140	115	135	150	150	125	155
00	65,00	60,30	66,70	75,00	75,00	69,90	82,60	85,00	85,00	79,40	88,90	100,00	100,00	88,90	98,40	110,00	110,00	98,40	114,30
00	14,00	15,90	15,90	14,00	14,00	15,90	19,10	14,00	14,00	15,90	19,10	19,00	18,00	15,90	19,10	19,00	18,00	15,90	22,20
00	16,00	11,20	14,30	16,00	18,00	12,70	15,90	16,00	18,00	14,30	17,50	18,00	18,00	15,90	19,10	19,00	18,00	17,50	20,70
4				4				4				4				4			
3,80		-		4,40		-		5,60		-		7,10		-		9,10		-	

248																			
50				65				80				100				125			
2"				2 1/2"				3"				4"				5"			
I - Flanges PN-16 EN 1092-2																			
II - Flanges PN-40 EN 1092-1																			
III - Flanges Class 150 lbs ASME / ANSI B16.5																			
IV - Flanges Class 300 lbs ASME / ANSI B16.5																			
253				295				328				385				427			
*315/**348				330				380				405				455			
230				290				310				350				400			
203				216				241				292				356			
267				292				318				356				400			
200				220				250				300				350			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
165	165	150	165	185	185	180	190	200	200	190	210	220	235	230	255	250	270	255	280	285
125,00	125,00	120,70	127,00	145,00	145,00	139,70	149,20	160,00	160,00	152,40	168,30	180,00	190,00	190,50	200,00	210,00	220,00	215,90	235,00	240,00
19,00	18,00	19,10	19,10	19,00	18,00	19,10	22,20	19,00	18,00	19,10	22,20	19,00	22,00	19,10	22,20	19,00	26,00	22,20	22,20	23,00
19,00	20,00	19,10	22,30	19,00	22,00	22,30	25,40	19,00	24,00	23,90	28,60	19,00	24,00	23,90	31,80	19,00	26,00	23,90	35,00	19,00
4		8	4	8	4	8		8	4	8		8				8				
11,80		-		20,80		-		27,00		-		39,10		-		54,60	61,90	-		78,70

Flow diagram



Flow diagram



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