



Stainless Steel Overflow & Pressure Relief Valves

Features

- Screwed BSP Parallel (ISO 228)
- Body Stainless Steel
- Suitable for Gases and Liquids
- Set pressure: 0.2 to 20 bar
- PED 2014/68/EU
- Marine Approvals - GL, LR EMEA, ABS, BV, RS
- ATEX Approval Available at Extra Cost
- 24 Month Warranty
- Test Certificate to EN10204-3.1 Available on Request

Typical Applications

- Chemical plants, biogas plants
- Desalination plants
- Mechanical engineering and process equipment construction
- Shipbuilding industry and marine equipment
- Industrial applications
- Secondary areas in the food, beverage, pharmaceutical and cosmetics industries

DN	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
L	30	34	40	46	50	61	67
L1	41	44	54	57	61	75	82
H	60	69	86	101	118	139	149
h	29	33	36	67	52	60	66
h1	42	49	50	67	71	85	91
h2	41	46	46	61	63	76	80
d1	10	16	20	26	32	38	50
d2	27,5	27,5	27,5	43,5	43,5	43,5	56,5
d3	34	34	34	50,5	50,5	50,5	64
SW3	30	30	36	46	55	65	70
do	10	13	19	25	30	38	50
kg	0,3	0,4	0,7	1,2	1,9	2,5	3,8

Technical Data

Max Pressure	20 Bar
Working Temperature	PTFE Seal -60°C to +225°C

N.	Part Name	Materials
1	Inlet body	Stainless steel 1.4404
2	Outlet body	Stainless steel 1.4404 / 1.4408
3	Internal parts	Stainless steel 1.4404
4	Spring	Stainless steel 1.4310

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

Discharge Capacities

Kv values at 1 bar overpressure																														
DN		3/8"				1/2"				3/4"				1"				1 1/4"				1 1/2"				2"				
Pressure range bar	Bar	Steam [Nm ³ /h]																												
		0,2-0,8	0,5-2,5	2-8	12-20	0,2-0,8	0,5-2,5	2-8	12-20	0,2-0,8	0,5-2,5	2-8	12-20	0,2-0,8	2-8	12-20	0,2-0,8	0,5-2,5	2-8	12-20	0,2-0,8	0,5-2,5	2-8	12-20	0,2-0,8	0,5-2,5	2-8	12-20		
0,2	18				41					138				156				468				726				1172				
0,5	22	65			47	113				156	163			172	295			531	509			757	665			1265	1100			
0,8	25	70			52	120				172	173			191	305			547	541			820	700			1359	1173			
1		74				125					181				313				553				724				1222			
1,5		81				135					200				345				615				798				1345			
2		86	53	40		143	98	73			221	144	126		373	280	218		642	283	194		862	455	311		1451			
2,5		93	60	45		157	104	79			235	161	141		384	302	244		619	301	218		940	510	349		1535	787	663	
3			66	43			111	80				171	156			309	258			297	223			506	387			884	698	
4			79	53			129	79				187	160			339	308			333	244			499	428			876	670	
5			77	66			135	82				186	176			412	322			361	283			579	455			987	740	
6			78	75			132	88				212	200			388	326			441	323			707	518			1145	859	
7			84	81			118	93				225	198			275	298			429	363			740	635			1224	816	
8			89	89			123	96				249	190			254	279			475	402			821	645			1284	916	
9				89				98					193			250				441				707				1015		
10				97				106					192			273				480				770				1002		
11				94				106					189			262				472				833				1090		
12				101	79			105	78				204	183		282	247			406	457			814	570			1179	987	
13					84				68				174				189				489				610				1056	
14					90				57				162				201				521				650				1125	
15					95				54				123				213				552				590				1022	
16					94				51				130				180				584				728				1261	
17					99				46				110				142				615				768				1140	
18					96				32				87				150				576				693				1399	
19					101				28				61				105				604				606				1678	
20					105				21				32				165				632				634				1537	

Seat-Seal/Diaphragm Options

Option	Materials	Type	Working Temp.
NBR	Nitrile rubber (standard)	Elastomere flat seal 0,2 – 12 bar	-30°C to +130°C
FKM	Fluorocarbon	Elastomere flat seal 0,2 – 12 bar	-20°C to +200°C
EPDM	Ethylene propylene diene	Elastomere flat seal 0,2 – 12 bar	-50°C to +150°C
PTFE	Polytetrafluoroethylene	Flat seal 0,5 – 12 bar	-60°C to +225°C
If the seat seal is made of PTFE the O-rings of the body and setting spindle seal are made of FPM.			
Against surcharge			
PTFE	Polytetrafluoroethylene	Flat seal 12 – 20 bar	-60°C to +225°C