

Technical data sheet

Type SV1821

Safety valves

Applications and special features



- The safety valve type SV1821 is designed to evacuate the pressure for water application from 1 bar to 12 bar.
- It is used to evacuate a pressure as soon as a certain value is exceeded. (value determined by same valve). They are used for water.
- Settings :
 - . minimum 1 bar
 - . maximum 12 bar
- Pre-setting : 6 bar (no safety seal)

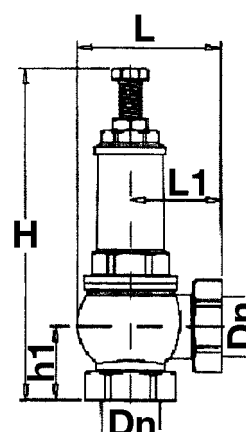
Technical description

DN "	PFA bar	References	Vvs-nr
3/8	12	149B 6834	
1/2	12	149B 6835	
3/4	12	149B 6836	
1	12	149B 6837	
1 ^{1/4}	12	149B 6838	
1 ^{1/2}	12	149B 6839	
2	12	149B 6840	
2 ^{1/2}	12	149B 6841	
3	12	149B 6842	

- **Connection** : Female/female, BSP thread
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table
- **θ** :
 - Mini. 0 °C
 - Maxi. 75 °C
- **Mediums** : Water
- **International construction Standards** :
 - Thread connection according to NFE 03-005 ISO 228

Overall dimensions

DN	L	L1	H	h1
"	mm	mm	mm	mm
3/8	45	24	118	25
1/2	55	36	124	30
3/4	64	40	148	32
1	75	48	163	40
1 ^{1/4}	89	56	193	43
1 ^{1/2}	100	62	212	47
2	123	75	238	60
2 ^{1/2}	146	87	300	75
3	150	85	325	86



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Spare parts list and materials

Nb	Description	Materials	EURO	ANSI
	CASING	Brass		
	SPRING	Carboxylated steel C72		
	SEAT SEAL	NBR		

Discharge rates

DN	3/8	1/2	3/4	1	1 ^{1/4}	1 ^{1/2}	2	2 ^{1/2}	3
Pressure setting (bar)	Q in m³/h								
1	0,3	0,5	1,0	1,9	2,7	4,1	6,5	13,1	17,0
2	0,4	0,6	1,2	2,3	3,3	5,0	8,0	16,0	20,8
3	0,4	0,7	1,4	2,6	3,8	5,8	9,2	18,5	24,0
4	0,5	0,8	1,6	3,0	4,3	6,5	10,3	20,7	26,8
5	0,5	0,8	1,8	3,2	4,7	7,1	11,3	22,6	29,4
6	0,6	0,9	1,9	3,5	5,1	7,6	12,2	24,4	31,8
7	0,6	1,0	2,0	3,7	5,4	8,2	13,0	26,1	33,9
8	0,6	1,0	2,2	4,0	5,8	8,7	13,8	27,7	36,0
9	0,7	1,1	2,3	4,2	6,1	9,1	14,6	29,2	38,0
10	0,7	1,1	2,4	4,4	6,4	9,6	15,3	30,6	39,8
11	0,7	1,2	2,5	4,6	6,7	10,0	15,9	32,0	41,6
12	0,7	1,2	2,6	4,8	6,9	10,4	16,6	33,3	43,3

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