

JOHN FIG 68

Relief Valves

The John Fig 68 spring relief valve, when positioned after a reducing valve, provides effective protection for installations with reduced pressure. Its enclosed outlet design makes it appropriate for managing liquids that are expelled through a pipe, which is connected perpendicularly to the inlet.

Australian Design & Manufactured.

Body	Bronze
Size Range	DN15 – DN80
Max Pressure Range	Water, Oil, Gas: 1500 kpa @ 99° C
Hydrostatic Pressure	Test: Body: 2100 kpa Seat: 1400 kpa
Temperature	200° C Max

Dimensions

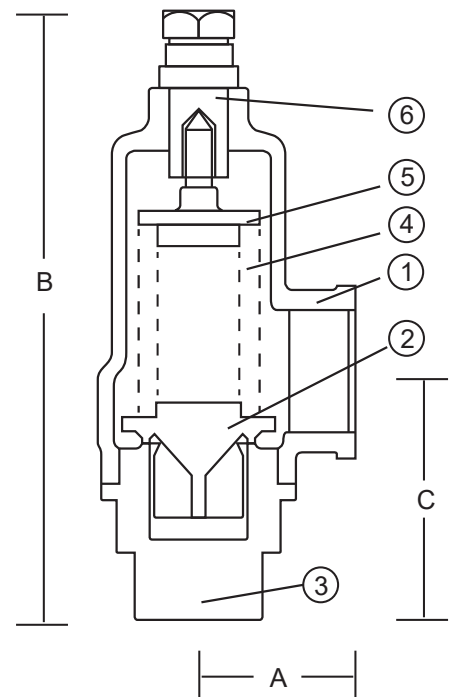
Size	A	B	C	Kg
15	33	117	52	0.5
20	40	127	57	0.6
25	44	171	68	1.2
32	51	194	81	2.3
40	67	213	89	2.5
50	70	229	102	3.6
65	83	279	117	6.4
80	95	318	133	10

Materials of Construction

ITEM NO.	PART DESCRIPTION	MATERIAL
1	BODY	Bronze
2	DISC	Bronze
3	BASE	Bronze
4	SPRING	SS
5	SPRING PLATE	Bronze
6	ADJUSTING BOLT	Brass

Spring Ranges

Code:	A	B	C	D	E	F
Fig No.	68A	68B	68C	68D	68E	68F
Range kPa	561-840	281-560	841-1050	141-280	1051-1400	70-140



Water Discharge Capacities

Water capacities in L/M at 10% Overpressure

Set Press (kPa)	15	20	25	32	40	50	65	80
100	8.6	19.4	34.6	58.8	84.3	163.2	254.6	357
200	13.5	30.5	54.3	92.	132.7	256.9	401	576
300	17.1	38.6	68.6	113.1	167.7	324.6	5604.4	727.4
400	20.1	45.3	80.5	137.3	196.8	81	595.1	854.7
500	22.6	51.1	90.9	155	222.8	431	673	964
600	25	56.4	100	170.9	245	473.7	740.1	1063.8
700	27	61	108.4	185.5	265.9	514.6	8022.4	1152.4
800	29.1	65.5	116.4	199.1	284.6	551.9	860.6	1236.5
900	31	70	124.1	211.8	303.7	587.4	917.4	1316.1
1000	32.6	73.6	130.9	223.2	320	619.6	963.8	1386.6