JOHNVALVES
Australian made since 1896

VALVE MANUFACTURE
GENERAL ENGINEERING
VALVE RECONDITIONING

A.C.N. 007 400 759 • A.B.N. 98 007 400 759

JOHN FIG. 748 & 768 Safety/Relief Valves

WORKING PRESSURES: Water, Oil, Gas: 0.5 - 12Bar

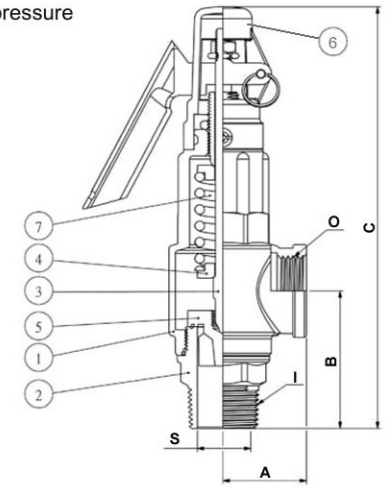
WORKING TEMPERATURE: Temp: -45°C - 185°C

The John 748 safety valve is designed for use in air and low temperature gas applications. It is fitted with an open easing lever for manually opening/testing. The 768 relief valve is designed for use in water and other non-corrosive liquid applications. It is fitted with a closed cap to prevent any fluid from escaping out the top. Both the body and the trim are bronze. The 748 and 768 are designed to automatically discharge when a predetermined upstream pressure is exceeded to prevent damage caused by over pressurisation. Before despatch all safety and relief valves are tested and adjusted to required blow-off pressure each valve is supplied with a test certificate.

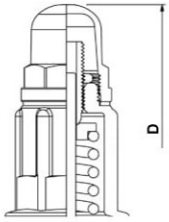
MATERIALS OF CONSTRUCTION

ITEM	DESCRIPTION	MATERIAL
1.	BODY	BRONZE
2.	VALVE SEAT	BRASS
3.	SPINDLE	BRASS
4.	SPRING PLATE	BRASS
5.	DISC	BRASS
6.	CAP	BRASS
7.	SPRING	SPRING STEEL

748



768
Sealed Cap



All measurements in mm

I (Inlet)	S (Seatø)	0 (Outlet)	Lift	A	B	C	D	Kg
15	13	15	0.52	32	52	162	136.3	0.53
20	19	20	0.76	36	58	172	144.8	0.66
25	25	25	1.00	40	71	204	173.2	1.13
32	32	32	1.28	52	83	223	196.2	1.99
40	38	40	1.52	58	96	252	224.9	2.5
50	50	50	2.00	65	103	287	255.9	3.71

Fig 748 AIR CAPACITIES L/sec @ 20°C

Set Press (kPa)	15mm	20mm	25mm	32mm	40mm	50mm
100	8	17	29	48	67	116
200	12	25	44	72	101	175
300	16	34	58	96	135	233
400	20	42	73	120	169	292
500	24	51	88	144	202	351
600	28	59	102	168	236	409
700	32	68	117	192	270	468
800	36	76	132	216	304	526
900	40	84	146	240	338	585
1000	43	92	160	262	369	639
1100	47	101	176	288	406	702
1200	51	110	190	312	439	761

Fig 768 WATER CAPACITIES L/M

Set Press (kPa)	15mm	20mm	25mm	32mm	40mm	50mm
100	11	23	40	66	93	161
200	15	33	57	93	131	227
300	19	40	70	114	161	278
400	22	46	80	132	186	322
500	24	52	90	147	208	360
600	27	57	98	161	227	394
700	29	61	106	174	246	425
800	31	66	114	186	263	455
900	33	70	121	198	279	482
1000	35	73	127	207	293	506
1100	37	77	133	218	308	533
1200	39	80	139	228	322	557

02/2020

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