

JOHN FIG 748

Safety Valve

The John 748 safety valve is designed for air and low-temperature gas applications. It is fitted with an open easing lever for manually opening/testing. The 748 is 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 the required blow-off pressure, each valve is supplied with a test certificate.

Body	Bronze
Trim	Bronze
Size Range (DN)	15, 20, 25, 32, 40, 50
Pressure Range	PN12
Temperature	-45°C - 185°C
Pressure Range	0.5 Bar - 12 Bar
Connections	BSP(MALE) x BSPF(FEMALE)
Standards	AS 1271, Class B

Dimensions (mm)

I (Inlet)	S (Seat)	O (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

Materials of Construction

ID	PART DESCRIPTION	768SS	768TT
1	Body	316SS	316SS
2	Seat	316SS	316SS
3	Disc	316SS	316SS+PTFE
4	Stem	304SS	304SS
5	Spring	304SS	304SS
6	Spring Seat	304SS	304SS
7	Thread Rod	304SS	304SS
8	Adjust Nut	304SS	304SS
9	Gasket	PTFE	PTFE
10	Cap	304SS	304SS

Fig 748 Air Capacity – L/S

Set Press (kPa)	15	20	25	32	40	50
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

