

Nabic 500L Pressure Relief Valve

Sizes: 3/8" x 1/2", 1/2" x 3/4", 3/4" x 1", 1" x 1.1/4", 1.1/4" x 1.1/2", 1.1/2" x 2", 2" x 2.1/2", 2.1/2" x 3"

Connections: Female BSP Inlet x Female BSP Outlet
Materials: Gunmetal Body, Chrome Vanadium spring, PTFE to metal seating
Pressure: 12.5 Barg Max
Temperature: 195 degC Max

Description:

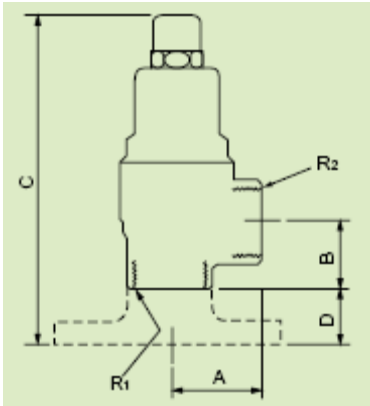
Nabic Pressure Relief Valves are intended for use where pressure tightness is required on the discharge side of the valve. They are ideal for pump relief, bypass relief, outside installations, and inflammable fluids. The valves are of gunmetal construction with top guided copper alloy parts, chrome vanadium spring and PTFE to metal seating. O-ring seals ensure pressure tightness at cover and cap joints. Available options are: stainless steel springs, high pressure versions and Viton seat design.

Discharge Capacities

The discharge capacity of a pressure relief valve must be equal to or greater than the output of the system it is protecting.
Capacities are tabulated below to assist selection.

WATER - 10% OVERPRESSURE								
SET PRESSURE bar	litres/min							
	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65
1.0	29	54	96	151	247	386	603	1019
2.0	41	77	136	213	349	546	853	1441
3.0	51	94	167	261	428	668	1044	1765
4.0	58	109	193	301	494	772	1206	2038
5.0	65	121	216	337	552	863	1348	2278
6.0	71	133	236	369	605	945	1477	2496
7.0	77	144	255	399	653	1021	1595	2696
8.0	83	153	273	426	698	1091	1705	2882
9.0	88	163	289	452	741	1158	1809	3057
10.0	92	172	305	477	781	1220	1906	3222
11.0	97	180	320	500	819	1280	1999	3379
12.5	103	192	341	533	873	1364	2131	3602

To convert to galls/min multiply by 0.22.



SIZE DN	R ₁ BSP	R ₂ BSP	A mm	B mm	C mm	D mm
10	3/8	1/2	26	21	101	-
15	1/2	3/4	33	20	120	-
20	3/4	1	39	24	162	28
25	1	1 1/4	45	30	185	30
32	1 1/4	1 1/2	54	36	229	28
40	1 1/2	2	64	41	273	32
50	2	2 1/2	76	47	303	36
65	2 1/2	3	90	60	366	36

The above discharge capacities have been calculated in accordance with BS 6759: Part 1 & 3, using a derated coefficient of discharge (Kdr) of 0.345

