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Data Sheet
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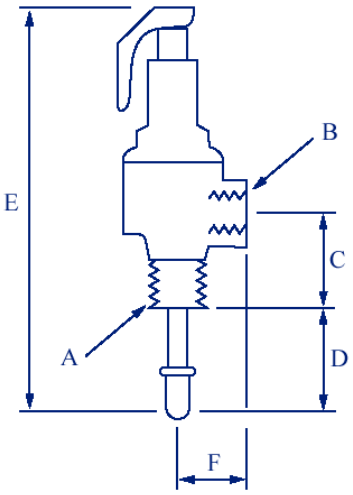

NABIC SAFETY RELIEF VALVES

500T

PRESSURE & TEMPERATURE SAFETY RELIEF VALVE

Part No. 500T

PRESSURE & TEMPEARTURE SAFETY RELIEF VALVE WITH EASING

The 500T combined pressure & temperature relief valve has been designed for use on unvented hot water supply systems, where protection against excess temperature is required in addition to pressure protection.

Pressure and temperature elements of the valve operate independently, thereby providing dual safety protection in the one valve.

The fig 500T is of gunmetal construction, with diaphragm protected working parts and resilient soft seating. All wetted parts are manufactured from dezincification resistant materials, approved by the Water Regulations Advisory Scheme for use on potable water. Inlet and outlet connections are of equal size and threaded to BS 21, with the inlet connection male and the outlet female.

Valves are certificated prior to despatch to confirm traceable serial number and set pressure.

THIS PRODUCT IS STOCKED UNSET & CAN BE SET TO YOUR EXCACT REQUIREMENTS

SIZE	A (BSP)	B (BSP)	C	D	E	F
DN15	¾ Male	¾ Female	48	81	230	34
DN20	1 Male	1 Female	47	81	240	39
DN25	1¼ Male	1¼ Female	56	81	260	45
DN32	1½ Male	1½ Female	62	127	350	54
DN40	2 Male	2 Female	71	127	400	64
DN50	2½ Male	2½ Female	82	127	430	76

Features & Benefits

- WRAS approved.
- Designed to BS6759.
- Resilient soft seating design.
- Diaphragm protected working parts.
- Manual test lever.
- High discharge capacity.
- Dual safety protection.

Pressure & Temperature

Pressure range:-
1.0 to 12.5 bar.

Temperature Range:-
Up to 95°C.

Temp Rating in kW

SIZE	kW
DN15	25
DN20	45
DN25	65
DN32	105
DN40	165
DN50	255

Pressure Rating in kW

SIZE	1.0 bar	1.5 bar	2.0 bar	2.5 bar	3.0 bar	4.0 bar	5.0 bar	6.0 bar	7.0 bar	8.0 bar	10.0 bar	12.5 bar
DN15	46	58	70	82	94	118	142	166	190	214	262	322
DN20	81	103	124	145	167	209	252	295	337	380	465	572
DN25	127	160	194	227	260	327	394	460	527	594	727	893
DN32	208	263	318	372	427	536	645	754	863	973	1191	1464
DN40	326	411	496	581	667	837	1008	1178	1349	1520	1861	2287
DN50	509	642	775	908	1042	1308	1575	1841	2108	2374	2907	3574

To convert kW to Btu/hr multiply by 3400. The temperature probe will safely open the relief valve at 90°C to 95°C.
The kW rating shown has been calculated in accordance with BS6759 pt 1, using a derated coefficient of discharge (Kdr) of 0.375. They represent the steam relief capacity of the relief valve at 10% over pressure.