



BAILEY BIRKETT SAFETY RELIEF VALVES

716T

PRESSURE & TEMPERATURE SAFETY RELIEF VALVE



Part No. 716T

PRESSURE & TEMPERATURE SAFETY RELIEF VALVE WITH EASING

The 716T protects unvented hot water systems, against both excess pressure and excess temperature. Increasing pressure is sensed by the spring, which automatically opens the relief valve at the pre-set pressure and the integral probe independently monitors increases in temperature, safely opening the relief valve between 90°C and 95°C.

The temperature probes are designed to have a smooth surface free from crevices, to reduce mineral build-up and are white powder coated to minimise galvanic action within the heater.

The 716T has a bronze body, DZR brass internals and silicone seat in accordance with potable water code requirements. A soft seat provides leak tight operation. The spring and spring chamber are protected from the hot water by the EPDM diaphragm, reducing corrosion and increasing life in service.

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

SIZE	INLET	OUTLET	A	B	C	D
DN20	¾ Male	¾ Female	38	62	262	113
DN25	1 Male	1 Female	40	53	262	121
DN32	1¼ Male	1* Female	44	50	259	99
DN40	1½ Male	1½ Female	63	68	271	55
DN50	2 Male	2 Female	63	75	280	48

* 1¼" valve has a 1" outlet.

Features & Benefits

- WRAS approved.
- Approved to EN1490/BS6283.
- Double safety protection.
- Independently tested by BRE.
- Manual test lever
- Soft seated design

Pressure & Temperature

Pressure range:-

2.4 to 10.3 bar.

Temperature Range:-

Up to 95°C.

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

Temp Rating in kW		
SIZE	kW	kW BS EN 1490
DN20	44	25
DN25	70	50
DN32	80	75
DN40	173	100
DN50	184	-

Pressure Rating in kW												
SIZE	2.4 bar	2.5 bar	3.0 bar	4.0 bar	5.0 bar	6.0 bar	7.0 bar	8.0 bar	9.0 bar	10.0 bar	10.3 bar	
DN20	166	171	196	246	296	345	395	445	495	545	560	
DN25	186	192	220	277	323	389	445	502	558	614	631	
DN32	315	324	371	466	560	655	749	844	939	1033	1062	
DN40	524	540	619	777	935	1093	1251	1409	1567	1725	1773	
DN50	631	650	745	935	1125	1315	1505	1695	1885	2075	2132	

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 and ASME IV. They represent the steam relief capacity of the relief valve at 10% over pressure.