



**716T**  
**Bronze**  
**Pressure & Temperature**  
**Safety Relief Valve**  
**For Hot Water**  
**BSPT Inlet Threaded**

**Bailey Birkett**



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.

**Approvals, Features & Benefits**

- WRAS approved
- EN1490/BS6283
- Double safety protection
- Independently tested by BRE
- Manual test lever
- Diaphragm protection
- Set, tested and certified prior to despatch

**Pressure & Temperature**

Pressure range:-  
2.4 to 10.3 bar

Temperature range:-  
Up to 95°C

Lift temperature:-  
90 to 95°C

DN	20	25	32	40	50
<b>Inlet Connection</b>	¾ BSPT Male	1 BSPT Male	1½ BSPT Male	1½ BSPT Male	2 BSPT Male
<b>Outlet Connection</b>	¾ BSPP Female	1 BSPP Female	1 BSPP Female*	1½ BSPP Female	2 BSPP Female
<b>A</b>	38	40	44	63	63
<b>B</b>	62	53	50	68	75
<b>C</b>	262	262	259	271	280
<b>D</b>	113	121	99	80	65
<b>Weight Kg</b>	0.60	0.75	1.20	2.00	2.00

\* Note DN32 valve has a 1" BSPP outlet.

**Temperature Rating in kW**

DN	20	25	32	40	50
<b>kW</b>	44	70	80	173	184
<b>kW (BSEN 1490)</b>	25	50	75	100	-

**Pressure Rating in kW (set pressure in bar)**

DN	2.4	2.5	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	10.3
<b>20</b>	166	171	196	246	296	345	395	445	495	545	560
<b>25</b>	186	192	220	277	323	389	445	502	558	614	631
<b>32</b>	315	324	371	466	560	655	749	844	939	1033	1062
<b>40</b>	524	540	619	777	935	1093	1251	1409	1567	1725	1773
<b>50</b>	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.

**MATERIALS**

<b>Body</b>	Bronze
<b>Spring Cover</b>	Plastic
<b>Internals</b>	DZR Brass
<b>Trim</b>	Silicone