

### HORNE TSV1 SHOWER PANEL WITH DUAL CONTROL THERMOSTATIC MIXING VALVE, VANDAL RESISTANT SHOWER HEAD, ILTDU AND PIPE COVER

Includes integral Type 3 approved thermostatic shower valve pre-plumbed within a white epoxy-polyester painted aluminium panel with hand controls, vandal resistant shower head in chromium plated finish, integral In-line Thermal Disinfection Unit and 465mm Pipe Cover.



### FEATURES & BENEFITS

- Robust, anodised and painted (RAL 9010) panel and fittings ensure long lifespan
- Pressure & performance tested pre-plumbed assembly
- Integral Type 3 Approved shower valve - dual control
- In-Line Thermal Disinfection Unit with easy operation for periodic disinfection of pipe-work, valve and downstream fittings using local hot water supply
- 465mm Pipe Cover in same profile as panel with key access point for ILTDU operation
- Fixed vandal resistant shower head. Easy to clean and maintain with large area spray plate and two directional spray settings
- Integral 8 L/min flow regulator for water and energy conservation
- Low level integral servicing valves for ease of maintenance and performance testing
- Highly suitable for retrofit applications
- Fast and easy installation

The TSV1-3 thermostatic shower valve is Type 3 and UK Water Reg 4 Approved.  
The integral ILTDU is UK Water Reg 4 Approved.



The **T105T4** shower panel is pre-plumbed with an integral dual control Type 3 approved thermostatic mixing valve, which features:

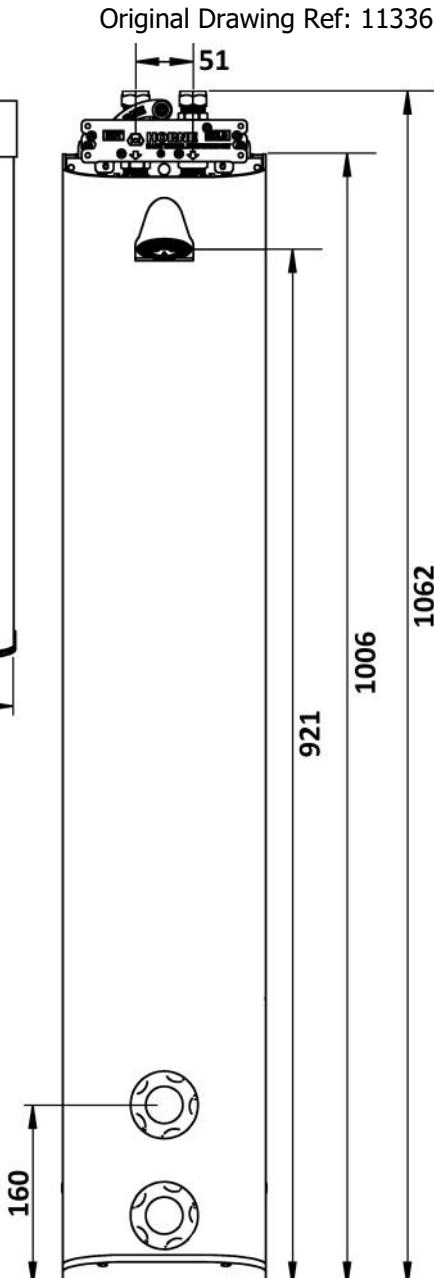
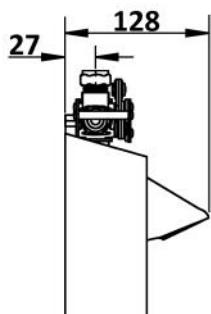
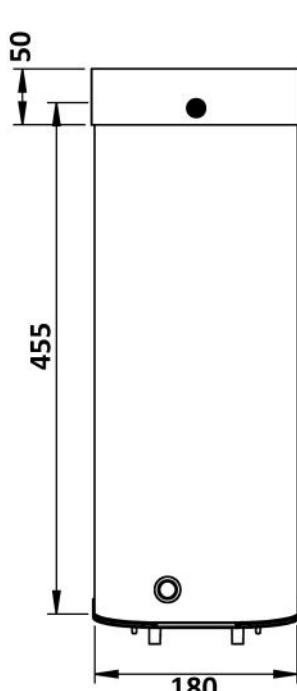
- Low level isolating servicing valves
- Integral fine mesh strainers provide essential protection to internal mechanism of the valve and ancillary fittings
- Angle pattern inlets enable easy access to the strainers
- Integral check valves prevent cross migration of water supplies
- Flushing facility to allow water supplies to be flushed clean during commissioning

### Operating Conditions (Type 3 TMV):

- Range of temperature adjustment up to pre-set maximum, usually 41°C at the shower head
- Range of hot water supply temperature: 55 — 65°C
- Maximum static pressure: 10 bar
- Minimum differential between hot water temp. and mixed water temp.: 5°C
- Range of maintained water supply pressures: 0.2-5 bar

*Unequal pressures are usually acceptable if gravity-pressure supplies one of the inlets: minimum 0.2 Bar. When both supplies are pumped, pressures should be nominally balanced.*

Dimensions in mm



**TOTAL HEIGHT OF PANEL + PIPECOVER**  
 $= 1006 + 2 + 455 + 50 - (\text{OVERLAP})$

- OVERLAP IS VARIABLE, 20-40MM  
- 455 LENGTH CAN BE CUT TO SUIT



### Thermal Disinfection using the ILTDU

For an explanation of its operating principals and further information on the recommended disinfection procedure, please refer to our ILTDU brochure and instructions.