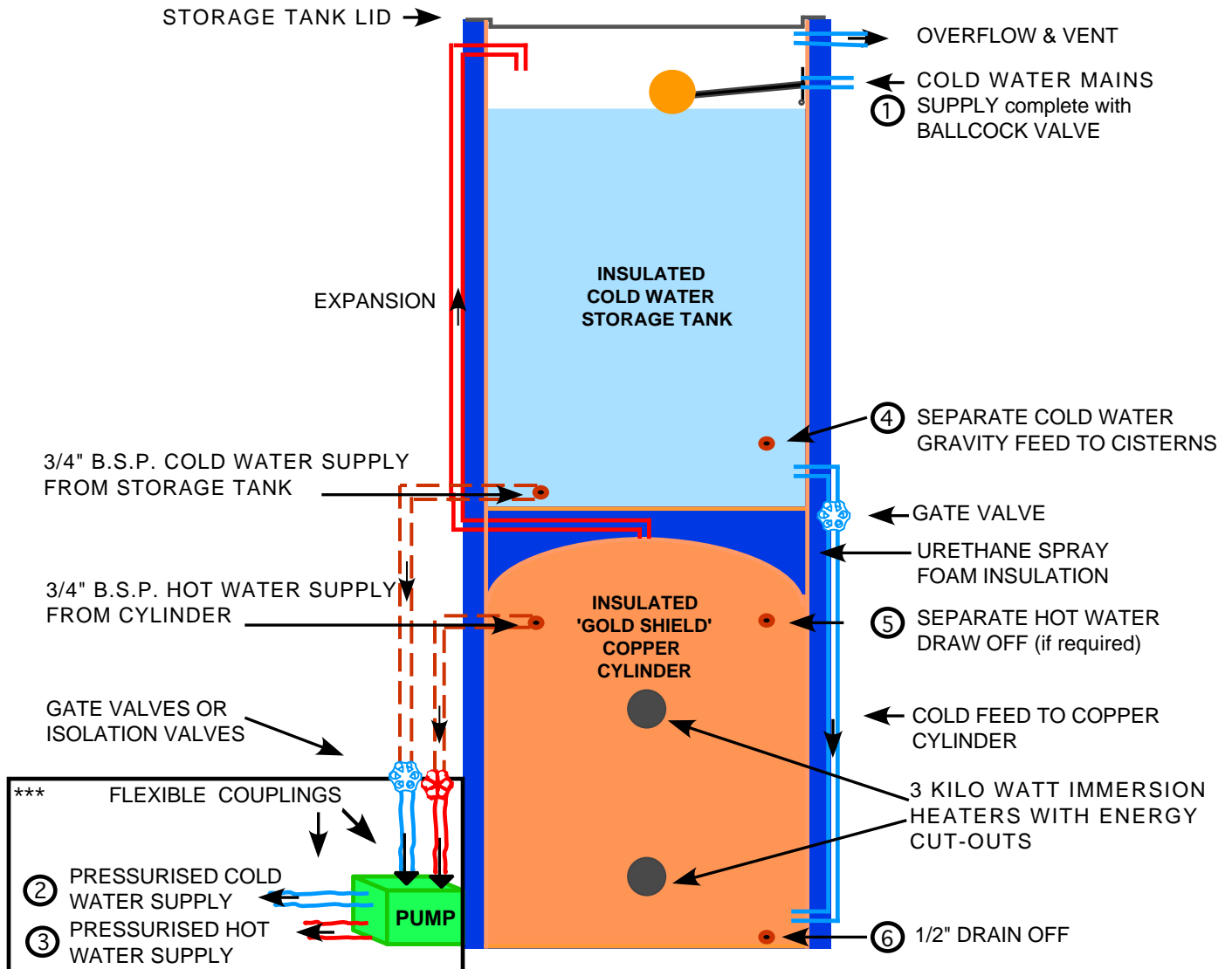


## Customised Pre-plumbed "Gold Shield" Combination Units

The Lycris-Byrne Pre-plumbed Combination Hot and Cold water storage units are designed primarily for apartments. Delivery to the outgoing hot and cold supplies may be by gravity feed or pump. Each unit comprises of a cold water storage tank mounted over a copper cylinder (hot water storage), relevant isolation valves, energy cut-out electric immersion heaters, internal feed and expansion piping. The entire unit is insulated to E.S.B. "Gold Shield" standard, with the exception of the cold water storage tank lid, which is not insulated.



\*\*\*If pump used, recommended positioning of pump and flexible couplings. Flexible couplings must be used with pump.

### IMPORTANT:-

Electric Immersion Heaters may require further tightening prior to energising and testing.

The entire Combination Unit must be filled with water before the Immersion Heaters are energised.

The Immersion Heaters are fitted with a high limit safety cut-out.

A Lycris-Byrne Indirect Copper Cylinder maybe used in place of a 'Gold Shield'\*\*\* Copper Cylinder

\*\* 'Gold Shield' is the E.S.B. trade mark for their Heat Electric Energy Efficient Homes.



## Customised Pre-plumbed "Gold Shield" Combination Units

### TECHNICAL DATA:-

### AVAILABLE SIZES:

- (a) 50 gallon cold water storage & 30/35 gallon hot water storage
- (b) 60 gallon cold water storage & 35/40 gallon hot water storage
- (c) 70 gallon cold water storage & 40/50 gallon hot water storage

### OUTSIDE DIMENSIONS OF UNIT: (excluding pipe-work)

- (a) Diameter: 530 mm - Height: 2100 mm.
- (b) Diameter: 580 mm - Height: 2100 mm.
- (c) Diameter: 685 mm - Height: 2100 mm.

### SPECIFICATIONS:-

Electrical: 220v/240v 50Hz Single Phase.

Controls: Single point wiring to a "Gold Shield" control panel or standard control panel.

Immersion Heaters: Two 3kW side entry immersion heaters with high limit cut-out safety feature.

### Water Connection Sizes:

- |   |             |
|---|-------------|
| (1) Water Mains Inlet:  | 1/2" B.S.P. |
| (2) Pressurised Cold Water supply from cylinder (through pump): | 3/4" B.S.P. |
| (3) Pressurised Hot Water supply from cylinder (through pump):  | 3/4" B.S.P. |
| (4) Separate Cold Water Feed to Cistern:                        | 3/4" B.S.P. |
| (5) Separate Hot Water Draw Off (high flow):                    | 3/4" B.S.P. |
| (6) Drain Off - fitted at bottom of hot water cylinder:         | 1/2" B.S.P. |

### Recommended Pump:

Negative head, twin impeller with dry run protection.