

# TEMPEST

## AIR SOURCE HEAT PUMP CYLINDER



### Pre-plumbed, indirect, unvented stainless-steel hot water storage cylinder with 50 litre buffer store.

Tempest Heat Pump hot water storage cylinders are designed for use with an air source heat pump as the main heat source. They feature a purpose-designed coil with a large surface area to allow maximum heat transfer of renewable energy into the stored water. Manufactured from Duplex stainless-steel, the cylinders are pre-plumbed with pre-fabricated pipework, wiring, an integrated buffer and factory-fitted 3 kW immersion heaters to provide back-up heat.

#### FEATURES & BENEFITS

- ✓ Remote expansion vessel with factory-fitted wall mounting bracket
- ✓ Full unvented kit supplied
- ✓ Pre-plumbed with pre-fabricated pipework and wiring saves installation time
- ✓ Duplex stainless steel provides superior corrosion resistance
- ✓ White steel cased finish (other colours available on request)
- ✓ 316L grade stainless-steel 22mm compression fittings and coils
- ✓ Supplies mains pressure hot water and high flow rates
- ✓ Fast reheat
- ✓ Factory-fitted temperature and pressure relief valve set at 7 bar / 90°C
- ✓ Up to 3 bar max pressure
- ✓ Highly efficient
- ✓ Fully insulated to minimise any heat loss
- ✓ Factory-fitted 3kW immersion heater(s)
- ✓ Integrated 50 litre buffer store
- ✓ Cylinders available in 170-300 litre capacities
- ✓ Lifetime manufacturing warranty on inner container (2 years on components)\*

\*Terms & conditions apply



- |   |  |
|---|--|
| ✓ 22mm monobloc reducer & relief valve*       | ✓ Automatic bypass valve*              |
| ✓ External expansion vessel with bracket      | ✓ Dual probe thermostat                |
| ✓ TPRV 7bar/90°C*                             | ✓ Temperature & pressure relief valve* |
| ✓ 15-22mm acetal tundish*                     | ✓ 3kW Incoloy immersion heater(s)*     |
| ✓ Cylinder stat*                              | ✓ Inlet control group                  |
| ✓ 10 way junction box*                        | ✓ Filter                               |
| ✓ 22mm two port valve*                        |  |
| ✓ 22mm three port valve*                      | ✓ Sanitary water kit                   |
| ✓ 25/8m Wilo circulating pump and ISO valves* |  |

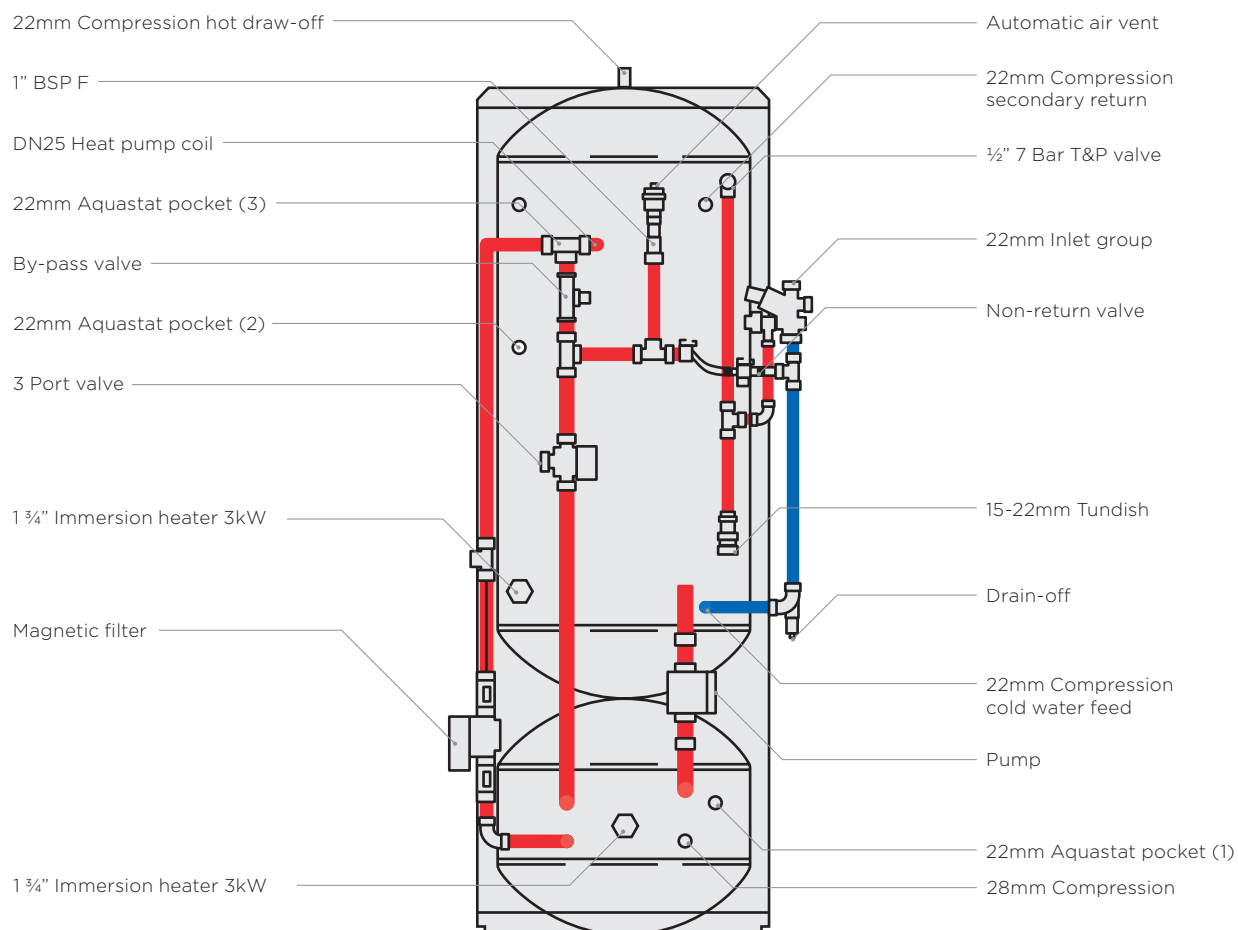
\*Factory-fitted



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### TECHNICAL DATA



Capacity (L)	170	200	250	300
Height (mm)	1540	1716	1921	2115
Diameter (mm)	580	580	580	580
ASHP Coil Surface Area (m <sup>2</sup> )	2.2	3.3	3.3	3.3
ERP Rating	C	C	C	C
Immersion Rating (kW)	3	3	3	3
Standing Heat Loss (kWh/24hrs)	1.36	1.64	1.71	1.82

\*Based on thermostat set a 60°C