

| Features | |
|--|--|
| Duplex stainless steel cylinder with large heat pump coil | |
| 60mm PU foam insulation for low standing heat losses | |
| Over 60% in volume from recycled material | |
| Surface mounted sensor devices for compatibility and ease of maintenance | |
| Compatible with extensive Dimplex heat pump range | |
| PU-insulation with GWP < 1 and ODP = 0 | |
| KIWA approved (water and building regulations) | |

| Scope of delivery | |
|--|--------------------|
| Cylinder with one immersion | 125 l + 75 l |
| T+P valve | 1/2", 7bar/90°C |
| Inlet group | PRV 3bar, ERV 6bar |
| 2 port valve | - |
| Expansion vessel with fixing kit and connection hose | 12 l |
| Tundish | 15mm/22mm |
| Installation & User manual | ✓ |
| Terms and conditions | ✓ |

| Technical data: VOLUME | |
|--|----------|
| Nominal volume | 116.5 l |
| Primary hot water capacity ⁽¹⁾ | 97 l |
| Aux hot water capacity ⁽¹⁾ | - |
| Indirect coil volume | - |
| Indirect coil heatable volume | - |
| Heat pump coil volume | 7.25 l |
| Heat pump coil heatable volume | 116.5 l |
| Solar coil volume | - |
| Dedicated solar storage vol. (KIWA) ⁽²⁾ nominal | - |
| Heating buffer volume | 72 l |
| Expansion vessel volume | 12 l |
| Minimum mains flow rate | 15 l/min |

| Technical data: CONNECTION SIZES | |
|----------------------------------|--------------|
| Indirect coil | - mm |
| Heat pump coil | 28 mm |
| Solar coil | - mm |
| Inlet/outlet pipe | 22 mm |
| Secondary return | - mm |
| T+P Valve | 1/2" F BSP |
| Immersion heater | 1 3/4" F BSP |
| Heating buffer | 28 mm |

| Technical data: RE-HEAT TIMES | |
|-------------------------------------|--------|
| Primary re-heat time ⁽³⁾ | 7 mins |
| Aux. re-heat time ⁽¹⁾ | - |

| Technical data: HEAT LOSS | |
|----------------------------|--------------|
| Maximum standing heat loss | 0.95 kWh/24h |

(1) Determined in accordance with EN12897-2006

(2) Determined in accordance with KIWA document for unvented hot water storage cylinders to the requirements of the UK building regulations, Annex D

(3) All the dimensions are taken from the base of the cylinder to the centreline on the component

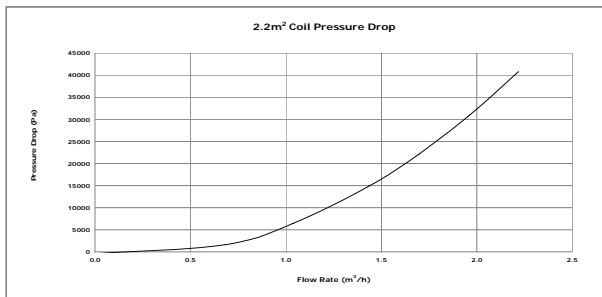
Cross-sectional drawing



Technical data: DIMENSIONS

| | | | |
|------------------------------------|-------------------------------|---------|---------|
| Height ⁽³⁾ | 1535 mm | | |
| Height (packaged) ⁽³⁾ | 1835 mm | | |
| Diameter | 580 mm | | |
| Diameter (packaged) | 587 mm | | |
| Tilt height | 1640 mm | | |
| Weight (empty) | 44.5 kg | | |
| Weight (packaged) | 60 kg | | |
| CW Inlet ⁽³⁾ | 190 mm | | |
| Secondary return ⁽³⁾ | - mm | | |
| HW Outlet ⁽³⁾ | 730 mm | | |
| T&P valve ⁽³⁾ | 730 mm | | |
| HP Buffer Immersion ⁽³⁾ | 1123 mm | | |
| Btm. Immersion ⁽³⁾ | Top Immersion ⁽³⁾ | 208 mm | - mm |
| HP return ⁽³⁾ | HP flow ⁽³⁾ | 190 mm | 710 mm |
| HP buffer return ⁽³⁾ | HP buffer flow ⁽³⁾ | 1098 mm | 1308 mm |
| Btm. Thermostat ⁽³⁾ | Top Thermostat ⁽³⁾ | 460 mm | - mm |
| ST return ⁽³⁾ | ST flow ⁽³⁾ | - mm | - mm |
| Indirect return ⁽³⁾ | Indirect flow ⁽³⁾ | - mm | - mm |

Pressure drop diagram of cylinder and coils



Technical data: COILS and Immersions

| | |
|--|---------------------------|
| Indirect coil surface area | -m ² |
| Indirect coil HX performance ⁽¹⁾ | -kW |
| Indirect coil flow rate ⁽¹⁾ | -l/min |
| Heat pump coil surface area | 2.2 m ² |
| Heat pump coil HX performance ⁽¹⁾ | 45 kW |
| Heat pump coil flow rate ⁽¹⁾ | 0.41 l/s |
| Solar coil surface area | -m ² |
| Solar coil HX performance ⁽¹⁾ | -kW |
| Solar coil flow rate ⁽¹⁾ | -l/min |
| Immersion rating | 2.7/3.0 kW at 230/240 VAC |

Attainable cylinder temperature as a function of heat pump output, flow rate at 55°C flow temperature

Technical data: PRESSURE

| | |
|-----------------------------------|-----------|
| Max. sply. Pres. at red. valve | 12 bar |
| Pressure reducing valve setting | 3 bar |
| Press. relief valve opening pres. | 6 bar |
| T&P valve opening pres. | 7 bar |
| Pre-charge expansion vessel | min 2 bar |
| Min. mains dynamic pres. | 1.5 bar |
| Operating pres. cylinder | 3 bar |
| Max. design pres. cylinder | 6 bar |
| Max. op. pres. indirect coil | - bar |
| Max. op. pres.heat pump coil | 3 bar |
| Max. op. pres.solar coil | - bar |
| Max. op. pres.buffer | - bar |

Attainable cylinder temperature as a function of heat pump output, flow rate at 65°C flow temperature