HEAT PUMP CYLINDERS

# HOT WATER

## Designed around better heat pump installations.

STANDARD HPT

150 / 200 / 300 L

INTEGRATED BUFFER

150 + 50 L
200 + 50 L

**Two cylinder categories.
Five models.
One HISA range.**




Standard HPT family shown. Individual image-to-capacity mapping is not established.

# Five models.
# Two ways to specify.

Choose standard hot water storage or an integrated-buffer cylinder. Confirm the system design, capacity and installation requirements before selection.

01 / STANDARD HOT WATER

## HPT Series

Unvented hot water cylinders

| 150 L | 200 L | 300 L |
|---|---|---|
| HPT-150L | HPT-200L | HPT-300L |

02 / HOT WATER + INTEGRATED BUFFER

## HPTB Series

Domestic hot water and a 50 L buffer in one unit.

| 150 L + 50 L | 200 L + 50 L |
|---|---|
| HPTB-150/50L | HPTB-200/50L |

HPTB domestic hot water capacities are nominal designations; buffer capacity is stated separately. Range selection is not a substitute for an installation drawing.

# The standard hot water range.

Three capacities with Duplex 2205 inner tanks and SUS316L coils. Key dimensions are shown below for early-stage selection.




Standard HPT family image; no individual capacity mapping is implied.

COMMON CONSTRUCTION

## Duplex 2205

1.0 mm inner tank thickness

## SUS316L

Ø28 coil diameter
15 / 20 / 25 m coil lengths

## 3.0 kW / 220 V

Electric heater with thermostat

CAPACITY / KEY DIMENSIONS

HPT-150L

### 150 L

**Ø470 × 1410 mm**

OUTER Ø × HEIGHT

HPT-200L

### 200 L

**Ø560 × 1312 mm**

OUTER Ø × HEIGHT

HPT-300L

### 300 L

**Ø600 × 1572 mm**

OUTER Ø × HEIGHT

# Hot water and buffer. One cylinder.

HPTB combines nominal domestic hot water storage with an integrated 50 L buffer. Two models bring these functions into one unit.

FUNCTIONAL CONCEPT / HPTB

ONE COMBINED UNIT

HOT WATER STORAGE

**150 / 200 L**

Nominal designation

+

BUFFER

**50 L**

Integrated

Functions only — not to scale. No internal layout, pipe routing or connection position is implied. Confirm the installation drawing.

HPTB-150/50L

## 150 L + 50 L

**Ø560 × 1525 mm**

SUS316L coil · Ø28 × 15 m
Heat exchanger surface: 2.0 m²

HPTB-200/50L

## 200 L + 50 L

**Ø560 × 1760 mm**

SUS316L coil · Ø28 × 20 m
Heat exchanger surface: 2.6 m²

**Both HPTB models: 6 bar working pressure / 10 bar maximum test pressure. Test pressure is not an operating pressure.**

# Specified materials. Clear differences.

Read each model on its own specification. Shared materials do not make every dimension, heater supply or insulation thickness identical.

01 INNER TANK + COIL

## Duplex 2205 / SUS316L

All five models use Duplex 2205 inner tanks at 1.0 mm thickness and SUS316L coils with Ø28 coil diameter. Coil lengths vary by model; see the comparison on page 6.

02 OUTER SHELL + INSULATION

## Steel outside. Polyurethane insulation.

Standard HPT: galvanised steel outer shell, 0.5 mm. Insulation: 50 ± 3 mm on HPT-150L, 45 mm on HPT-200L and 50 mm on HPT-300L. HPTB: painted galvanised steel, 0.5 mm, with 45 mm polyurethane foam.

03 ELECTRIC HEATER

## 3.0 kW — check the voltage.

Standard HPT: 220 V. Integrated-buffer HPTB: 230 V. Both ranges specify an electric heater with thermostat. HPTB uses a G1-1/2 screwed-type heater connection.

# Every model. Side by side.

All dimensions in mm unless shown otherwise. A dash means no value is stated in the approved product information.

| SPECIFICATION | HPT-150L | HPT-200L | HPT-300L | HPTB-150/50L | HPTB-200/50L |
|---|---|---|---|---|---|
| **Hot water capacity (L)** | 150 | 200 | 300 | 150 | 200 |
| **Integrated buffer (L)** | — | — | — | 50 | 50 |
| **Outer diameter** | Ø470 | Ø560 | Ø600 | Ø560 | Ø560 |
| **Total height** | 1410 | 1312 | 1572 | 1525 | 1760 |
| **Inner tank diameter** | Ø370 | Ø470 | Ø500 | Ø470 | Ø470 |
| **Inner tank thickness** | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| **Outer shell thickness** | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| **Insulation thickness** | 50 ± 3 | 45 | 50 | 45 | 45 |
| **Coil diameter** | Ø28 | Ø28 | Ø28 | Ø28 | Ø28 |
| **Coil length (m)** | 15 | 20 | 25 | 15 | 20 |
| **Heat exchanger (m²)** | — | — | — | 2.0 | 2.6 |
| **Electric heater (kW)** | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| **Heater supply (V)** | 220 | 220 | 220 | 230 | 230 |
| **Working pressure (bar)** | Confirm† | Confirm† | Confirm† | 6 | 6 |
| **Max. test pressure (bar)** | Confirm† | Confirm† | Confirm† | 10 | 10 |
| **Weight (kg)** | — | — | — | — | — |

† Standard HPT approved information states 0.8–1.0 MPa. Its classification as working versus drawing test pressure requires HISA confirmation. Do not apply HPTB pressure values to standard HPT.

HPTB hot water capacities are nominal designations; 50 L buffer capacity is separate. HPTB working pressure is 6 bar; maximum test pressure is 10 bar, not an operating limit.

# Plan the installation. Confirm the drawing.

Dimensions support initial planning, not clearance or pipework design. Obtain the model-specific installation information before installation.

## OVERALL DIMENSIONS / mm

| MODEL | OUTER Ø | HEIGHT | INNER Ø |
|---|---|---|---|
| **HPT-150L** | Ø470 | 1410 | Ø370 |
| **HPT-200L** | Ø560 | 1312 | Ø470 |
| **HPT-300L** | Ø600 | 1572 | Ø500 |
| **HPTB-150/50L** | Ø560 | 1525 | Ø470 |
| **HPTB-200/50L** | Ø560 | 1760 | Ø470 |

## HPTB / CONNECTION SCHEDULE

| | |
|---|---|
| **Hot water outlet** | G1 F |
| **Cold water inlet** | G1 F |
| **Coil inlet/outlet** | G1 F |
| **Mg. anode** | G1 F |
| **Exhaust** | G3/4 * |
| **Water drain** | G3/4 F |
| **Temperature sensor hole** | G3/4 F |
| **Electric heater** | G1-1/2 screwed type |

F = female. * Exhaust thread gender is not specified. Dedicated buffer circuit connections and port positions are not provided: confirm the installation drawing. The schedule does not imply physical locations.

Standard HPT connections are female BSP. Use the confirmed model-specific drawing for the standard-cylinder connection schedule and locations.

SUPPORT BEYOND SELECTION

# Specify with care. Stay supported.

**25** YEAR

HISA cylinder warranty

## The inner vessel. Not every component.

The 25-year warranty applies to the qualifying stainless-steel inner vessel only, subject to HISA warranty terms. Ancillary components and accessories are excluded from the 25-year vessel warranty.

Read the current terms for eligibility, registration, installation, maintenance and claim requirements. This brochure is an overview, not the complete warranty terms.

| | | |
|---|---|---|
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