HRs 800 > 1000

Stainless steel indirect cylinder for domestic hot water.

Available in two sizes.

- Low maintenance with no anode protection required
- Fast heat up and recovery using the unique tank-in-tank design
- Low standing losses – cylinder comes with polyurethane foam insulation and hard-wearing polypropylene finish
- Large heating surface area reduces boiler cycling
- Reduces Legionella risk due to temperature: hot water stored at > 60°C
- Long life – 25-year guarantee on the corrosion resistant stainless steel cylinder
- Suitable for vented or unvented systems (optional unvented kit required)
- Cost effective solution, simple installation with no de-stratification kit needed and no flue requirements

TANK IN TANK | BIM OBJECTS | COMMERCIAL

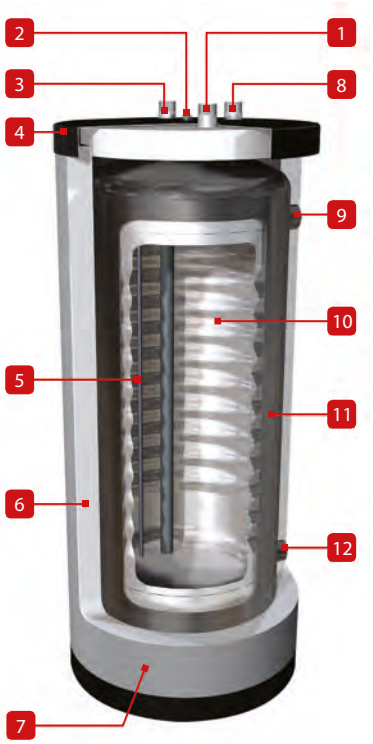
TANK-IN-TANK TECHNOLOGY

FAST **HEAT UP**	RAPID **RECOVERY**
REDUCED **FOOTPRINT**	REDUCED **SCALE**
LOW **STORAGE**	MINIMUM **HEAT LOSS**

Read more about Tank-in-Tank P 6

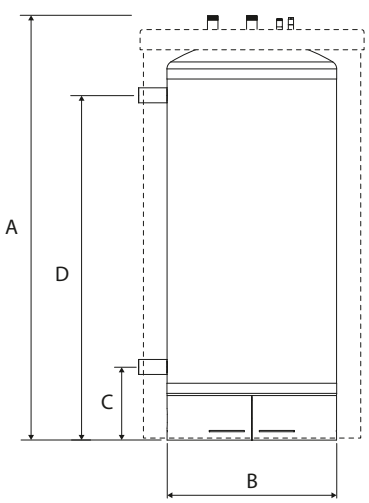
ANATOMY

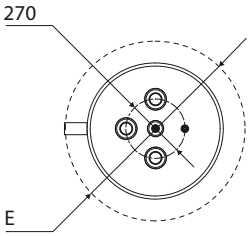
1. DHW return or temp/pressure relief valve connection
2. Manual air vent
3. Cold water inlet connection
4. Rigid top case
5. Stainless steel thermostat pocket
6. 100mm flexible polyurethane foam insulation
7. Outer shell vinyl jacket
8. DHW return connection
9. Primary flow connection
10. Internal stainless steel DHW tank
11. External Tank (primary) steel
12. Primary return connection



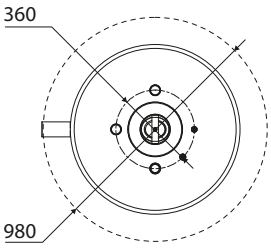
DIMENSIONS

All dimensions in mm.





HR s 320 - 600



HR s 800 - 1000

TECHNICAL DATA

TYPE	UNIT	HRs 800	HRs 1000
Part number		06633001	06633101
Capacity (total)	L	800	1000
Capacity (domestic hot water)	L	675	840
Connection - primary	Ø"	2 F	2 F
Connection - DHW	Ø"	6/4 M	6/4 M
Connection - re-circulation / safety valve	Ø"	6/4 M	6/4 M
Max operating temperature	°C	85	85
Max operating pressure (DHW)	bar	8.6	8.6
Max operating pressure heating (primary)	bar	4	4
Max operating temperature (DHW)	°C	80	80
Dimensions A	mm	1955	2355
Dimensions B	mm	780	780
Dimensions C	mm	335	335
Dimensions D	mm	1585	1985
Weight (empty)	kg	261	308
Dim. - Width or Ø (w/o insul. and w/o conn.)	mm	-	-
Weight (empty)	kg	68	99

DOMESTIC HOT WATER PERFORMANCE

TYPE	UNIT	HRs 800	HRs 1000
Peak flow at 40°C	L/10'	1881	2265
Peak flow 1st hour at 40°C	L/60'	4270	4940
Continuous flow at 40°C	L/h	2868	3210
Peak flow at 45°C	L/10'	1612	1941
Peak flow 1st hour at 45°C	L/60'	3660	4234
Continuous flow at 45°C	L/h	2458	2751
Peak flow at 60°C	L/10'	961	1145
Peak flow 1st hour at 60°C	L/60'	2124	2438
Continuous flow at 60°C	L/h	1395	1562
Reheat time (EN 12897)	min	10	10
Max absorbed heat (Heat source: boiler)	kW	31	32
Heating surface coil	m²	1.4	1.8

This data assumes an incoming mains water temperature of 10°C.

OPTIONS

REFERENCE	DESCRIPTION
XB090017	Unvented kit Systempak No.5 (Vessel & Temp/Pressure relief valve not included)
XB090018	Unvented kit Systempak No.6 (Vessel not included)
XB090003	1" Temp/Pressure relief valve
XB070001	Horne 32 mixing valve (1.25")
XB070002	Horne 40 mixing valve (1.50")

ACV UK Ltd advise the installation of a domestic hot water mixing valve on the hot flow immediately after the appliance.

HRI, HRS

HRi:
- Floor standing
- M2 fire Protection
- Inverted construction with handhole at the bottom for inspection
- 3 models: 320, 600 & 800 L
- Heat input up to 88 kW
- Insulation : Soft Jacket

HRs:
- Floor standing
- Insulation HRS: Soft Jacket 100 mm
- 4 models 320, 600, 800 & 1000 L
- Heat input up to 112 kW

(320)

JUMBO

Jumbo:
- Floor standing
- M0 fire protection
- 2 models of 800 and 1000 litres
- Heat input up to 112 kW
- Outer steel jacket supplied separately to enable the tank to pass through standard 800 mm doorways
- All Tanks Can be Placed in Cascading