



Introducing  
aquastore  
unvented cylinders



# Introducing aquastore

unvented cylinders from



The new Halstead aquastore supply all the hot water required for the modern home, providing rapid fill baths and invigorating showers to en-suite bathrooms and other domestic appliances at the same time.



## User Features

- Mains pressure hot water
- Fast filling baths
- Powerful invigorating showers
- Simultaneous supply of water to all bathrooms
- No cold water storage tank required, freeing up valuable living space
- Long life low maintenance hot water supply
- Option of a brushed stainless steel outer case

## Installer features

- Duplex steel inner cylinder with 25 years guarantee
- Internal expansion for quick easy installation
- Tough plastic leather grain external coating resists scratching
- No anode – reduces service requirements
- CFC free foam injected insulation
- 3kW incoloy 825 immersion(s) for longer life
- Lightweight for easy handling to site
- Water inlet diffuser prevents cold and hot water mixing



Inlet Diffuser



# Technical specifications

## Immersion

3kW @240V 50Hz (permanent connection to supply through a double pole linked isolated switch with minimum breaking capacity of 13A).

## Outer Casing

Dove Grey leather grain plastic coated steel. Option of a brushed stainless steel outer case, please contact us for further details.

## Insulation

CFC free 45mm ODP zero fire retardant.

## Water Supply

1.5bar 15 litres per minute minimum, 16bar maximum.

## Inner Cylinder

Duplex 2304L 1.4362 EN10088 stainless steel.

## Pressure Tests

All tested to 15bar.

## Primary Coiling

22mm stainless steel pipe.

## Hot Water Outlet

22mm stainless steel pipe.

## Thermostat

Direct units

- Integral immersion thermostat and cut-out. Indirect units
- External dual thermostat and cut-out.

## T&P

Factory fitted 7bar 90°C.

## Safety kit

Pressure reducing valve, expansion relief valve; tundish; motorised valve (indirect only) supplied.

## Expansion

Internal air gap

- no additional expansion vessel required.

## Approvals

WRAS; BBA.

## Guarantee

25 years for inner cylinder; 2 years on immersion (excluding affects of limescale) and 5 years on other components.

Unvented Cylinder Requirements		
Property	Indirect	Direct
1 bed / 1 shower	954107	954101
2 bed / 1 bath & 1 shower	954108	954102
3 bed / 1 bath & 2 shower	954109	954103
4 bed / 1 bath & 3 shower	954110	954104
4 bed / 1 bath & 3 shower	954111	954105
5 bed / 2 bath & 2 shower	954112	954106
6 bed / 2 bath & 3 shower	954113	954107

Weight (Kg)				
Capacity	Direct empty	Direct Full	Indirect Empty	Indirect Full
80L	27	142	29	143
130L	30	185	32	187
150L	32	207	35	210
175L	37	237	40	240
215L	43	258	48	264
255L	50	305	55	311
305L	59	364	65	370

Coil Size (Indirect Only)	
954107	7kW
954108 / 954109	14kW
954110 / 954111	17kW
954112 / 954113	17kW

Product	Dimensions Relative to Floor Level											Performance		
	Capacity (litres)	Cylinder Diameter (mm)	Overall height (mm) (A)	Cylinder height (mm) (B)	Immersion	Lower Immersion (mm) (C)	Top Immersion (mm)	Bottom Coil (mm) (D)	Top Coil (mm) (E)	T&P Valve (mm) (F)	Cold Inlet (mm)	Heat-up (mins)	Reheat Time (mins)	Heat loss in 24hrs (kw/24hr)
<b>DIRECT</b>														
954100	80	574	681	636	1	188	N/A	-	-	347	230	64	53	1.12
954101	130	574	973	928	2	188	521	-	-	618	230	115	90	1.50
954102	150	574	1101	1056	2	188	640	-	-	737	230	138	104	1.82
954103	175	574	1258	1213	2	188	786	-	-	883	230	167	124	2.10
954104	215	574	1500	1455	2	188	1011	-	-	1108	230	212	153	2.59
954105	255	574	1768	1723	2	188	1259	-	-	1356	230	263	184	2.73
954106	305	574	2044	1999	2	188	1516	-	-	1613	230	313	220	2.88
<b>INDIRECT</b>														
954107	80	574	681	636	1	188	-	283	283	347	230	33	23	1.12
954108	130	574	973	928	1	188	-	483	558	618	230	28	21	1.50
954109	150	574	1101	1056	1	188	-	483	558	737	230	33	24	1.82
954110	175	574	1258	1213	1	188	-	683	758	883	230	27	24	2.10
954111	215	574	1500	1455	1	188	-	683	758	1108	230	35	30	2.59
954112	255	574	1768	1723	1	188	-	683	758	1356	230	42	35	2.73
954113	305	574	2044	1999	1	188	-	683	758	1613	230	50	42	2.88

Performance														
Twin Coil Cylinder Performance								Solar Coil		Auxiliary Coil				
Product	Capacity (litre)	Cylinder Diameter (mm)	Overall Height (mm)	T&P Valve (mm)	Immersion	Lower Immersion (mm)	Top Immersion (mm)	Flow (mm)	Return (mm)	Flow Coil (mm)	Return Coil (mm)	Cold Inlet (mm)	Solar Coil size sqm	Aux Coil size sqm
954114	175	574	1300	1080	2	593	908	542	380	-	-	300	1.1	-
954115	215	574	1542	1322	2	593	1150	542	380	-	-	300	1.1	-
954116	255	574	1809	1589	2	593	1417	542	380	-	-	300	1.1	-
954117	305	574	2085	1865	2	593	1693	542	380	-	-	300	1.1	-
954116	175	574	1300	1080	1	593	-	542	275	904	642	300	1.1	0.75
954117	215	574	1542	1322	1	593	-	542	275	904	642	300	1.1	0.75
954118	255	574	1809	1589	1	593	-	542	275	904	642	300	1.1	0.75
954119	305	574	2085	1865	1	593	-	542	275	904	642	300	1.1	0.75

## After Sales Service

After sales service if required is absolutely no problem with Halstead – we have a network of appointed Service Agents spread throughout the country who are qualified and trained to repair or service any of our appliances.

## Specifications

Halstead's policy is one of continuous improvement; the Company therefore reserves the right to alter specifications without notice. Although every care has been taken in the reproduction of product finishes in this brochure, the colour photographs should be taken only as a guide. The information contained in this brochure is correct at the time of printing.

You are advised to consult your Dealer before purchasing.

## British Electrotechnical Approvals Board BEAB Approved

The mark of the Electrotechnical Approvals Board signifies that the appliance bearing it has been produced to the stringent safety requirements for domestic electrical appliances as laid down in EN60335.

## CE Mark

Products carrying the CE mark comply with European safety standards and the European standard for electro-magnetic compatibility

## Installation Guidance

This brochure is designed to assist you with your choice of Halstead products and it is not intended as an installation guide.

For safety, products should only be installed by a competent person, in accordance with current regulations and the manufacturers instructions. If you require further advice concerning the installation of our products – especially where the installed dimensions may be critical, please contact our customer service department or consult your installer.

### **MANUFACTURING, ACCOUNTS AND SALES**

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