



WORLD HEAT
CYLINDERS

Product Brochure



V1

**Beyond the Brochure: Special Cylinders
for Hot Water Delight, Contact Our
Team for Custom Cylinders Just Right!**

World Heat Cylinders

Tel: 0161 343 8610

Email: sales@whcylinders.co.uk

Tudor House, Tudor Industrial
Estate,
Ashton St, Dukinfield, Cheshire.
SK16 4RN

www.whcylinders.co.uk

Product Information

WH Cylinders Super Flow Direct 90L—300L Unvented Domestic Hot Water Cylinders



**High quality British
manufactured stainless steel
domestic hot water solutions
designed for any application.**

Direct Unvented Stainless Steel Cylinders

Product Reference	Description
90DSSFLOW	90 Litre Direct Unvented Stainless Steel Cylinder
120DSSFLOW	120 Litre Direct Unvented Stainless Steel Cylinder
150DSSFLOW	150 Litre Direct Unvented Stainless Steel Cylinder
180DSSFLOW	180 Litre Direct Unvented Stainless Steel Cylinder
210DSSFLOW	210 Litre Direct Unvented Stainless Steel Cylinder
250DSSFLOW	250 Litre Direct Unvented Stainless Steel Cylinder
300DSSFLOW	300 Litre Direct Unvented Stainless Steel Cylinder

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 826 1661
Email: sales@whcylinders.co.uk



WH Cylinders manufacture a full range of unvented mains pressure domestic hot water cylinders for any application.

All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

- High quality stainless steel
- 25 Year manufacturing warranty subject to annual maintenance.
- Highly insulated Part L compliant
- Full system unvented kits
- WRAS approved product
- ISO9001 certified quality management

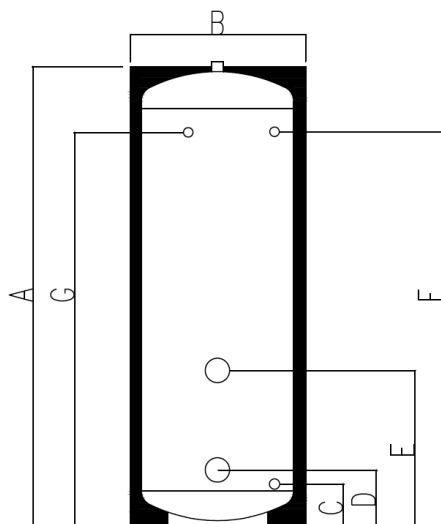
Direct Super Flow

WH Cylinders Super Flow Direct 90L—300L

Unvented Domestic Hot Water Cylinders



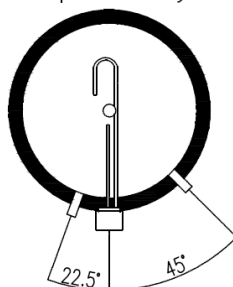
WORLD HEAT
CYLINDERS



50mm Polyurethane Insulation

White Finished Casing

Bespoke cylinders available at request



*** Please note ***
Dimensions below
represent the cased
finished product.



Dimension	A	B	C	D	E	F	G
Capacity (Litres)	Height & 22mm Comp Hot Draw off	Diameter	22mm Comp Cold Feed	1 3/4" Female Immersion Heater	1 3/4" Female Immersion Heater	1/2" Female Temperature & Pressure Relief	22mm Compression Secondary Return
90	750mm	550mm	190mm	215mm	N/A	568mm	N/A
120	950mm	550mm	190mm	200mm	455mm	730mm	N/A
150	1150mm	550mm	190mm	230mm	555mm	930mm	N/A
180	1270mm	550mm	190mm	230mm	580mm	1055mm	N/A
210	1500mm	550mm	190mm	230mm	712mm	1244mm	1244mm
250	1764mm	550mm	190mm	230mm	837mm	1494mm	1494mm
300	2050mm	550mm	190mm	280mm	993mm	1807mm	1800mm

Nominal capacity (Litres)		90	120	150	180	210	250	300
Overall packaged dimensions H x W x D (mm)		850 x 600 x 600	1050 x 600 x 600	1250 x 600 x 600	1370 x 600 x 600	1600 x 600 x 600	1860 x 600 x 600	2150 X 600 X 600
Approximate Weight (KG)	Empty	30	35	40	45	50	55	60
	Full	145	160	190	225	260	305	360
	Packaged	40	45	50	55	60	65	70
Control & relief valve pressure settings	Pressure Reducing & Relief	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar
	Exp Vessel	12L	12L	12L	18L	18L	24L	24L
	T & P Valve	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar
Immersion Heater		2 x 3KW Single Phase - 230V - 50hz						
Cylinder Material		Duplex Stainless Steel						
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent						
Insulation thickness (mm)		50	50	50	50	50	50	50
Standing heat loss		0.96	1.24	1.53	1.78	2.03	2.24	2.43
GWP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5
ODP of Insulation		0	0	0	0	0	0	0
ERP Rating		B	B	C	C	C	C	C



Product Information

WH Cylinders Super Flow Direct Slim

Unvented Domestic Hot Water Cylinders 90L—210L



**High quality British
manufactured stainless steel
domestic hot water solutions
designed for any application.**

Direct Slimline Stainless Steel Cylinders

Product Reference	Description
90DSSFLOWSLIM	90 Litre Direct Unvented Stainless Steel Cylinder
120DSSFLOWSLIM	120 Litre Direct Unvented Stainless Steel Cylinder
150DSSFLOWSLIM	150 Litre Direct Unvented Stainless Steel Cylinder
180DSSFLOWSLIM	180 Litre Direct Unvented Stainless Steel Cylinder
210DSSFLOWSLIM	210 Litre Direct Unvented Stainless Steel Cylinder

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

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unvented mains pressure domestic hot
water cylinders for any application.**

All of our cylinders are manufactured from
high quality stainless steel under an
ISO9001 certified quality management
system in our purpose made manufacturing
facility in Manchester.

Key Features

- **High quality stainless steel**
- **25 Year manufacturing warranty
subject to annual maintenance.**
- **Highly insulated Part L compliant**
- **Full system unvented kits**
- **WRAS approved product**
- **ISO9001 certified quality management**

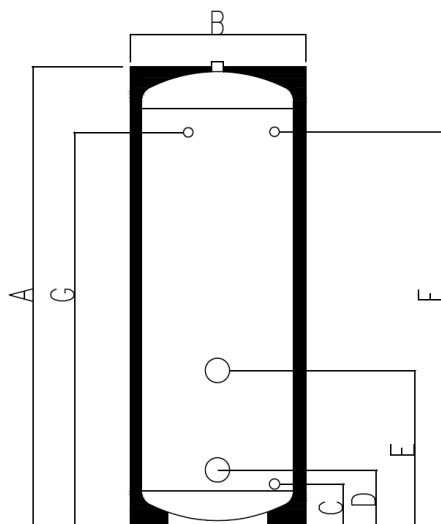
Direct Super Flow Slim


WH Cylinders Super Flow Direct Slim

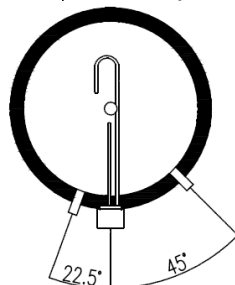
Unvented Domestic Hot Water Cylinders 90L—210L



WORLD HEAT
CYLINDERS



50mm Polyurethane Insulation 
White Finished Casing
Bespoke cylinders available at request



*** Please note ***
Dimensions below
represent the cased
finished product.



Dimension	A	B	C	D	E	F	G
Capacity (Litres)	Height & 22mm Comp Hot Draw off	Diameter	22mm Comp Cold Feed	1 3/4" Female Immersion Heater	1 3/4" Female Immersion Heater	1/2" Female Temperature & Pressure Relief	22mm Compression Secondary Return
90	1020mm	475mm	190mm	216mm	490mm	858mm	N/A
120	1280mm	475mm	190mm	216mm	620mm	1046mm	N/A
150	1470mm	475mm	190mm	216mm	715mm	1234mm	N/A
180	1720mm	475mm	190mm	216mm	840mm	1484mm	N/A
210	2030mm	475mm	190mm	216mm	995mm	1797mm	1797mm

Nominal capacity (Litres)		90	120	150	180	210
Overall packaged dimensions H x W x D (mm)		1150 x 550 x 550	1380 x 550 x 550	1570 x 550 x 550	1820 x 550 x 550	2130 x 550 x 550
Approximate Weight (KG)	Empty	30	35	40	45	50
	Full	145	160	190	225	260
	Packaged	40	45	50	55	60
Control & relief valve pressure settings	Pressure Reducing & Relief Valve	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar
	Exp Vessel	12L	12L	12L	18L	18L
	T & P Valve	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar
Immersion Heater	2 x 3KW Single Phase - 230V - 50hz					
Cylinder Material	Duplex Stainless Steel					
Insulation Type	Polyurethane (PU) Insulation with CO2 Blowing Agent					
Insulation thickness (mm)		50	50	50	50	50
Standing heat loss		0.96	1.24	1.53	1.78	2.03
GWP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5
ODP of Insulation		0	0	0	0	0
ERP Rating		B	B	C	C	C



Direct Super Flow

WH Cylinders Super Flow Horizontal Direct

150L– 300L

Unvented Domestic Hot Water Cylinders



WORLD HEAT
CYLINDERS



High quality British manufactured stainless steel domestic hot water solutions designed for any application.

Direct Horizontal Unvented Stainless Steel Cylinders

Product Reference	Description
90DHSSFLOW	90 Litre Direct Horizontal Stainless Steel Cylinder
120DHSSFLOW	120 Litre Direct Horizontal Stainless Steel Cylinder
150DHSSFLOW	150 Litre Direct Horizontal Stainless Steel Cylinder
180DHSSFLOW	180 Litre Direct Horizontal Stainless Steel Cylinder
210DHSSFLOW	210 Litre Direct Horizontal Stainless Steel Cylinder
250DHSSFLOW	250 Litre Direct Horizontal Stainless Steel Cylinder
300DHSSFLOW	300 Litre Direct Horizontal Stainless Steel Cylinder

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Key Features

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- Highly insulated Part L compliant
- Full system unvented kits
- WRAS approved product
- ISO9001 certified quality management

Direct Super Flow

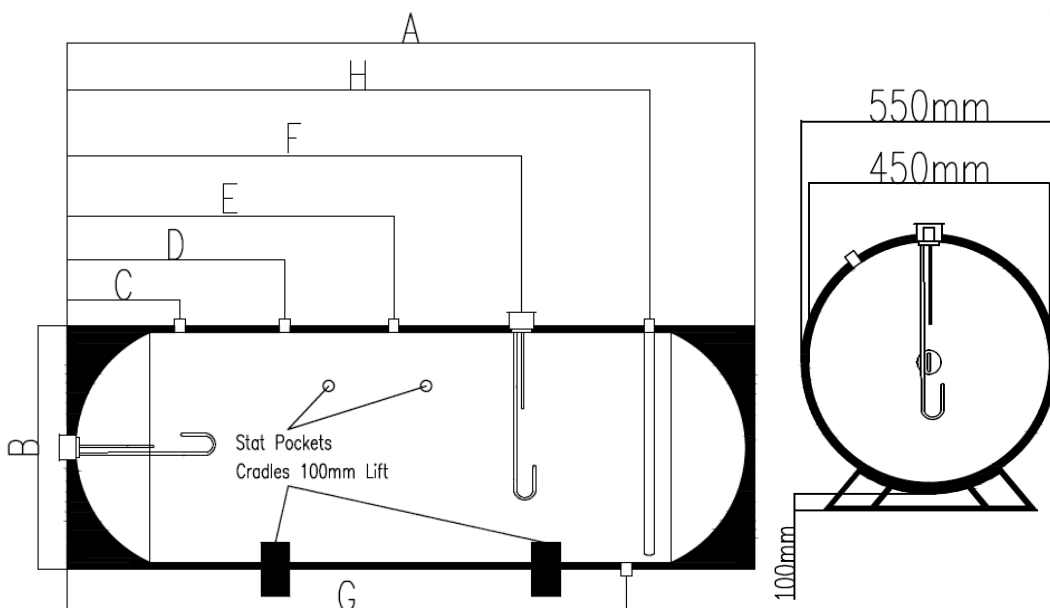
WH Cylinders Super Flow Direct Horizontal

150L—300L

Unvented Domestic Hot Water Cylinders



WORLD HEAT
CYLINDERS



Dimensional Drawing –
Horizontal Direct
50mm Polyurethane Insulation
White Finished Casing



Dimension	A	B	C	D	E	F	G	H
Capacity (Litres)	Height & 1 3/4" Female Immersion	Diameter	22mm Comp Hot Draw Off	22mm Comp Secondary Return	1/2" Female T&P Relief	1 3/4" Female Immersion	1/2" Female Drain	22mm Comp Cold Feed
150	1150mm	550mm (650mm with cradles)	220mm	408mm	595mm	783mm	920mm	970mm
180	1350mm	550mm (650mm with cradles)	220mm	439mm	658mm	877mm	1046mm	1096mm
210	1550mm	550mm (650mm with cradles)	220mm	486mm	752mm	1018mm	1234mm	1284mm
250	1750mm	550mm (650mm with cradles)	220mm	548mm	876mm	1204mm	1484mm	1534mm
300	2050mm	550mm (650mm with cradles)	220mm	626mm	1032mm	1438mm	1797mm	1847mm

Nominal capacity (Litres)		150	180	210	250	300
Overall packaged dimensions H x W x D (mm)		1250 x 600 x 600	1450 x 600 x 600	1650 x 600 x 600	1850 x 600 x 600	2150 x 600 x 600
Approximate Weight (KG)	Empty	40	45	50	55	60
	Full	190	225	360	305	390
	Packaged	60	65	70	75	80
Control & relief valve pressure settings	Pressure Reducing & Relief Valve	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar
	Exp Vessel	12L	12L	18L	18L	24L
	T & P Valve	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar
Immersion Heater		2 x 3KW Single Phase - 230V - 50hz				
Cylinder Material		Duplex Stainless Steel				
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent				
Insulation thickness (mm)		50	50	50	50	50
Standing heat loss		1.31	1.60	1.85	2.1	2.31
ODP of Insulation		0	0	0	0	0
GWP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5
ERP Rating		C	C	C	C	C

**** Bespoke cylinders available on request**



Product Information

WH Cylinders Super Flow Indirect 90L—300L Hot Water Cylinders



WORLD HEAT
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High quality British manufactured stainless steel domestic hot water solutions designed for any application.

Indirect Unvented Stainless Steel Cylinders

Product Reference	Description	Coil Area
90ISSFLOW	90 Litre Indirect Stainless Steel Cylinder	1m ²
120ISSFLOW	120 Litre Indirect Stainless Steel Cylinder	1m ²
150ISSFLOW	150 Litre Indirect Stainless Steel Cylinder	1m ²
180ISSFLOW	180 Litre Indirect Stainless Steel Cylinder	1m ²
210ISSFLOW	210 Litre Indirect Stainless Steel Cylinder	1m ²
250ISSFLOW	250 Litre Indirect Stainless Steel Cylinder	1m ²
300ISSFLOW	300 Litre Indirect Stainless Steel Cylinder	1m ²

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Key Features

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- 25 Year manufacturing warranty subject to annual maintenance
- Highly insulated Part L compliant
- WRAS approved product
- ISO9001 certified quality management

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



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Fax: 0161 826 1661
Email: sales@worldheat.co.uk

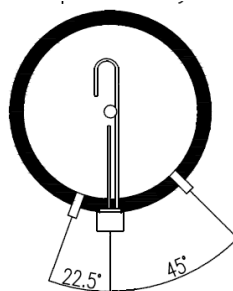
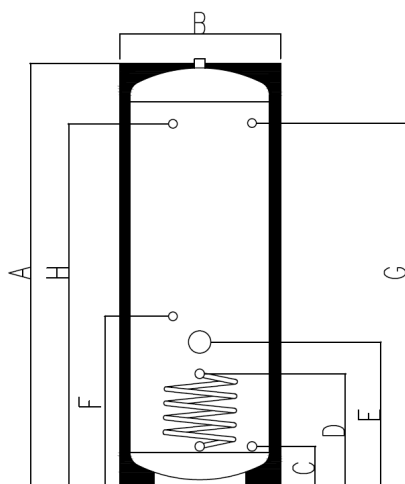
Indirect Super Flow Dimensional Drawing

WH Cylinders Super Flow Indirect 90L—300L

Hot Water Cylinders



WORLD HEAT
CYLINDERS



Dimension									
Capacity (Litres)	Height & 22mm Comp Hot Draw off	Width	Depth	22mm Comp C/Feed & 22mm Stub Return	22mm Stub Coil Flow & Return	1 3/4" Female Immersion Heater	Stat Pocket	1/2" Female Temperature & Pressure Relief	22mm Comp Secondary Return
90	750mm	550mm	650mm	550mm				550mm	N/A
120	950mm	550mm	650mm	709mm				709mm	N/A
150	1150mm	550mm	650mm	923mm				923mm	N/A
180	1270mm	550mm	650mm	1045mm				1045mm	N/A
210	1500mm	550mm	650mm	1240mm				1240mm	1240mm
250	1764mm	550mm	650mm	1458mm				1458mm	1458mm
300	2050mm	550mm	650mm	1779mm				1779mm	1779mm

Nominal capacity (Litres)		90	120	150	180	210	250	300
Overall packaged dimensions H x W x D (mm)		850 x 600 x 600	1050 x 600 x 600	1250 x 600 x 600	1370 x 600 x 600	1600 x 600 x 600	1864 x 600 x 600	2150 x 600 x 600
Approximate Weight (KG)	Empty	35	40	45	50	55	60	65
	Full	125	160	195	230	265	310	365
	Packaged	40	45	50	55	60	65	70
Control & relief valve pressure settings	Pressure Reducing & Relief Valve	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar
	Exp Vessel	12L	12L	12L	12L	18L	18L	24L
	T & P Valve	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar
Immersion Heater	3KW Single Phase - 230V - 50hz							
Cylinder Material	Duplex Stainless Steel							
Insulation Type	Polyurethane (PU) Insulation with CO2 Blowing Agent							
Insulation thickness (mm)		50	50	50	50	50	50	50
Standing heat loss		1.03	1.23	1.31	1.60	1.85	2.1	2.31
GWP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5
ODP of Insulation		0	0	0	0	0	0	0
ERP Rating		C	C	C	C	C	C	C



Product Information Sheet

WH Cylinders Super Flow Indirect Slim Unvented Domestic Hot Water Cylinders 120L—210L



WORLD HEAT
CYLINDERS



**High quality British
manufactured stainless steel
domestic hot water solutions
designed for any application.**

Indirect Slimline Unvented Stainless Steel Cylinders

Product Reference	Description	Coil Area
120ISSFLOWSLIM	120 Litre Slimline Indirect Unvented Stainless	1m ²
150ISSFLOWSLIM	150 Litre Slimline Indirect Unvented Stainless	1m ²
180ISSFLOWSLIM	180 Litre Slimline Indirect Unvented Stainless	1m ²
210ISSFLOWSLIM	210 Litre Slimline Indirect Unvented Stainless	1m ²

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Key Features

- High quality stainless steel
- 25 Year manufacturing warranty
- Highly insulated Part L compliant
- Full system unvented kits
- WRAS approved product
- ISO9001 certified quality management

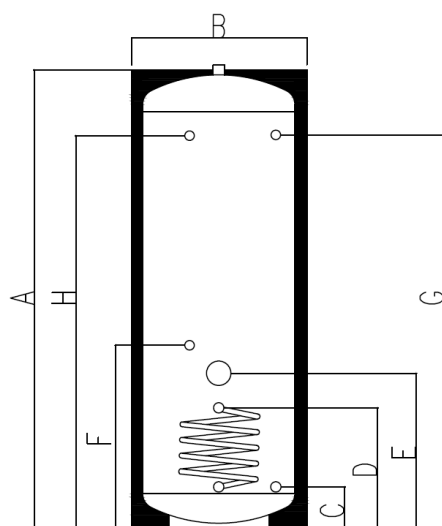
Indirect Super Flow Dimensional Drawing


WH Cylinders Super Flow Indirect Slim

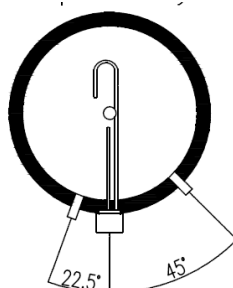
Unvented Domestic Hot Water Cylinders 120L—210L



WORLD HEAT
CYLINDERS



50mm Polyurethane Insulation 
White Finished Casing
Bespoke cylinders available at request



*** Please note ***
Dimensions below
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finished product.



Dimension	A	B	C	D	E	F	G	H
Capacity (Litres)	Height & 22mm Comp Hot Draw off	Diameter	22mm Comp C/Feed & 22mm Stub Return	22mm Stub Coil Flow	1 3/4" Female Immersion Heater	Stat Pocket	1/2" Female Temperature & Pressure Relief	22mm Comp Secondary Return
120	1206mm	475mm	190mm	590mm	570mm	740mm	950mm	N/A
150	1470mm	475mm	190mm	590mm	690mm	740mm	1214mm	N/A
180	1850mm	475mm	190mm	590mm	690mm	740mm	1594mm	N/A
210	2050mm	475mm	190mm	590mm	690mm	740mm	1797mm	1797mm

Nominal capacity (Litres)		120	150	180	210
Overall packaged dimensions H x W x D (mm)		1300 x 550 x 550	1570 x 550 x 550	1950 x 550 x 550	2150 x 550 x 550
Approximate Weight (KG)	Empty	35	40	45	50
	Full	160	190	225	260
	Packaged	45	50	55	60
Control & relief valve pressure settings	Pressure Reducing & Relief Valve	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar
	Exp Vessel	12L	12L	12L	18L
	T & P Valve	7 Bar	7 Bar	7 Bar	7 Bar
Immersion Heater	3KW Single Phase - 230V - 50hz				
Cylinder Material	Duplex Stainless Steel				
Insulation Type	Polyurethane (PU) Insulation with CO2 Blowing Agent				
Insulation thickness (mm)		50	50	50	50
Standing heat loss		1.23	1.31	1.60	1.85
GWP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5
ODP of Insulation		0	0	0	0
ERP Rating		C	C	C	C



Product Information Sheet

WH Cylinders Ultra Slim Super Flow Indirect / Direct

Unvented Domestic Hot Water Cylinders

400mm Diameter Cylinder 50L—125L



WORLD HEAT
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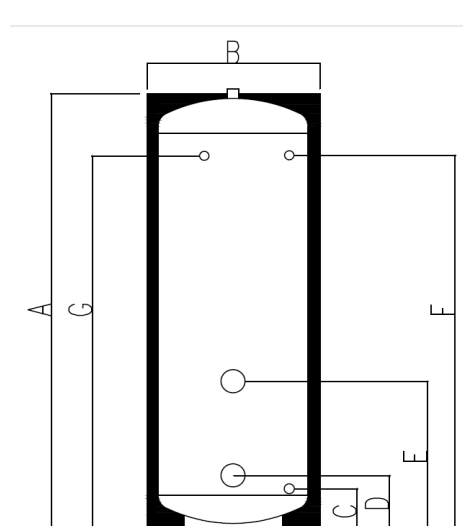
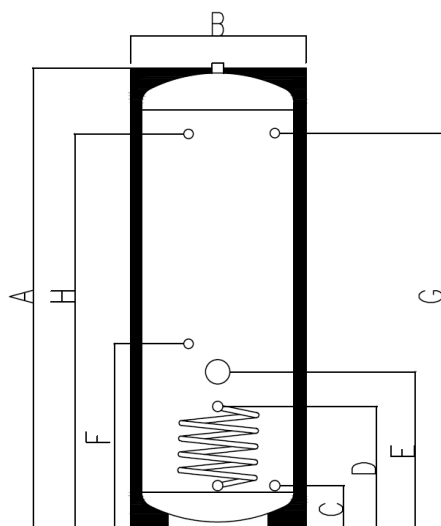
Key Features

- High quality stainless steel
- 25 Year manufacturing warranty
- Highly insulated Part L compliant
- Full system unvented kits
- WRAS approved product
- ISO9001 certified quality management
- Pre-plumbed models available

Indirect Super Flow Dimensional Drawing

WH Cylinders Ultra Slim Super Flow Indirect / Direct

Unvented Domestic Hot Water Cylinders 50L—125L



Indirect Cylinders

Dimension	A	B	C	D	E	F	G
Capacity (Litres)	Height & 22mm Comp Hot	Diameter	22mm Comp C/Feed	22mm Stub Coil Flow	1 3/4" I/H	Stat Pocket	1/2" Female T/P Valve
50	875mm	400mm	190mm	490mm	590mm	610mm	660mm
90	1400mm	400mm	190mm	490mm	590mm	640mm	1185mm
125	1950mm	400mm	190mm	490mm	590mm	640mm	1735mm

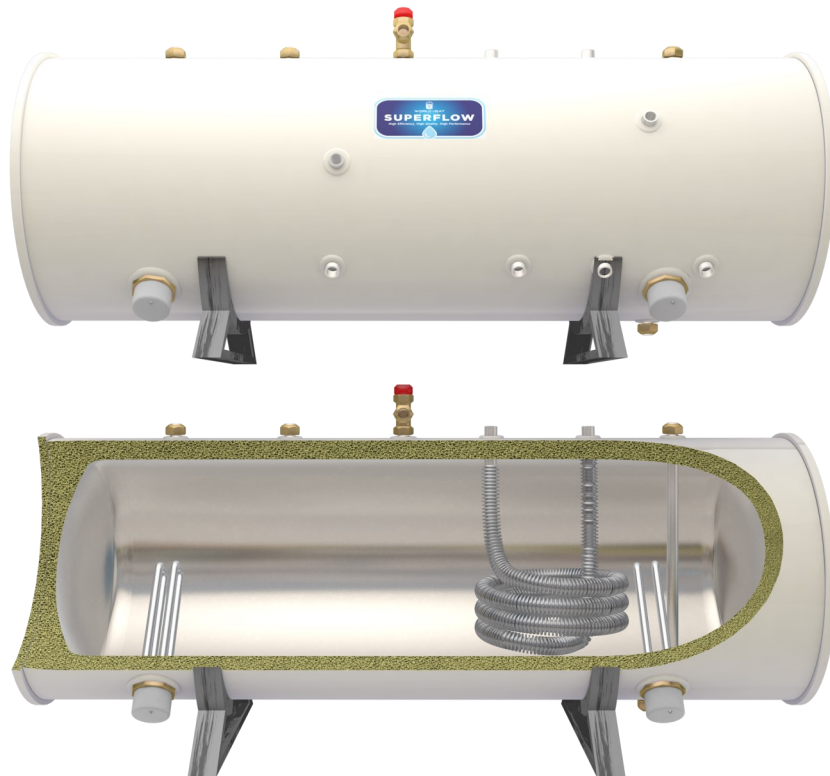
Direct Cylinders

Dimension	A	B	C	D	E	F
Capacity (Litres)	Height & 22mm Hot Draw off	Diameter	22mm Comp Cold Feed	1 3/4" I/H	1 3/4" I/H	1/2" T/P
50	875mm	400mm	140mm	211mm	N/A	660mm
90	1400mm	400mm	140mm	211mm	350mm	1235mm
120	1850mm	400mm	140mm	211mm	705mm	1800mm

Nominal capacity (Litres)		50	90	125
Overall packaged dimensions H x W x D (mm)		975 x 450 x 450	1500 x 450 x 450	2150x 450 x 450
Approximate Weight (KG)	Empty	25	30	35
	Full	75	130	155
	Packaged	45	50	55
Control & relief valve pressure settings	Pressure Reducing & Relief Valve	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar
	Exp Vessel	12L	12L	12L
	T & P Valve	7 Bar	7 Bar	7 Bar
	Direct 2 x 3KW Single Phase - 230V - 50hz			
Immersion Heater	Indirect 1 x 3KW Single Phase 230 V—50 hz			
Cylinder Material	Duplex Stainless Steel			
Insulation Type	Polyurethane (PU) Insulation with CO2 Blowing Agent			
Insulation thickness (mm)		50	50	50
Standing heat loss		0.76	0.96	1.24
GWP of Insulation		Less than 5	Less than 5	Less than 5
ODP of Insulation		0	0	0
ERP Rating		B	B	B

Indirect Super Flow

WH Cylinders Super Flow Horizontal Indirect Unvented Domestic Hot Water Cylinders



**High quality British
manufactured stainless steel
domestic hot water solutions
designed for any application.**

HORIZONTAL – Indirect Unvented Stainless Steel Cylinders

Product Reference	Description	Coil Area
90IHSSFLOW	90 Litre HORIZONTAL - Indirect Unvented Stainless Steel Cylinder	1m ²
120IHSSFLOW	120 Litre HORIZONTAL - Indirect Unvented Stainless Steel Cylinder	1m ²
150IHSSFLOW	150 Litre HORIZONTAL - Indirect Unvented Stainless Steel Cylinder	1m ²
180IHSSFLOW	180 Litre HORIZONTAL - Indirect Unvented Stainless Steel Cylinder	1m ²
210IHSSFLOW	210 Litre HORIZONTAL - Indirect Unvented Stainless Steel Cylinder	1m ²
250IHSSFLOW	250 Litre HORIZONTAL - Indirect Unvented Stainless Steel Cylinder	1m ²
300IHSSFLOW	300 Litre HORIZONTAL - Indirect Unvented Stainless Steel Cylinder	1m ²

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All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

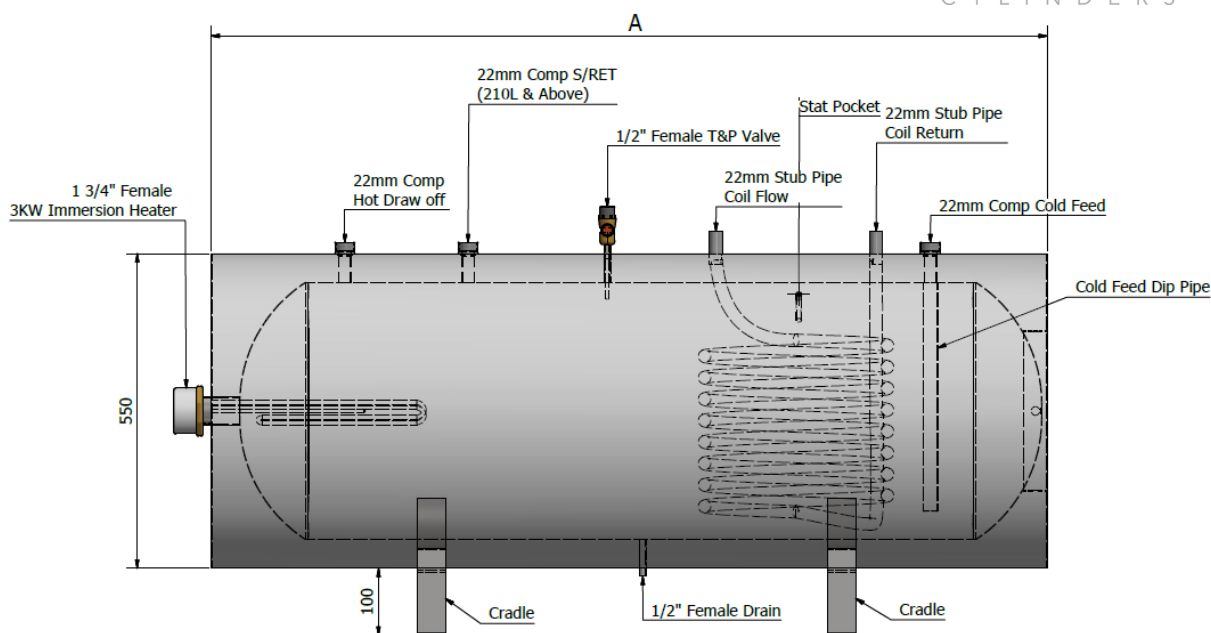
- **High quality stainless steel**
- **25 Year manufacturing warranty subject to annual maintenance.**
- **Highly insulated Part L compliant**
- **Full system unvented kits**
- **WRAS approved product**
- **ISO9001 certified quality management**
- **Pre-plumbed models available**

Indirect Super Flow

WH Cylinders Super Flow Indirect Horizontal Unvented Domestic Hot Water Cylinders



WORLD HEAT
CYLINDERS



Dimension	A	B
Capacity (Litres)	Length	Diameter
120	900mm	550mm
150	1150mm	550mm
180	1350mm	550mm
210	1550mm	550mm
250	1750mm	550mm
300	2050mm	550mm

Nominal capacity (Litres)	120	150	180	210	250	300
Overall packaged dimensions H x W x D (mm)	950 x 600 x 600	1250 x 600 x 600	1450 x 600 x 600	1650 x 600 x 600	1850 x 600 x 600	2100 x 600 x 600
Approximate Weight (KG)	35	40	45	50	55	60
	185	190	225	360	305	390
	40	45	50	55	60	65
Control & relief valve pressure settings	3 bar	3 bar	3 bar	3 bar	3 bar	3 bar
	12L	12L	12L	18L	18L	24L
	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar
	6 Bar	6 Bar	6 Bar	6 Bar	6 Bar	6 Bar
Immersion Heater	1 x 3KW Single Phase - 230V - 50hz					
Cylinder Material	Duplex Stainless Steel					
Insulation Type	Polyurethane (PU) Insulation with CO2 Blowing Agent					
Insulation thickness (mm)	50	50	50	50	50	50
Standing heat loss	1.23	1.31	1.60	1.85	2.1	2.31
ODPP of Insulation	0	0	0	0	0	0
GWP of Insulation	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5
ERP Rating	C	C	C	C	C	C

**** Bespoke cylinders available on request**

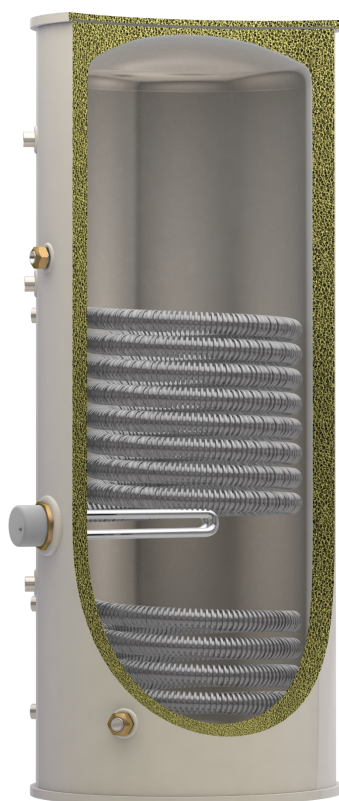


Product Information Sheet

WH Cylinders Super Flow Twin Coil 150L—300L Unvented Domestic Hot Water Cylinders



WORLD HEAT
CYLINDERS



High quality British manufactured stainless steel domestic hot water solutions designed for any application.

Twin Coil Unvented Stainless Steel Cylinders

Product Reference	Description
150TSSFLOW	150 Litre Twin Coil Unvented Stainless Steel Cylinder
180TSSFLOW	180 Litre Twin Coil Unvented Stainless Steel Cylinder
210TSSFLOW	210 Litre Twin Coil Unvented Stainless Steel Cylinder
250TSSFLOW	250 Litre Twin Coil Unvented Stainless Steel Cylinder
300TSSFLOW	300 Litre Twin Coil Unvented Stainless Steel Cylinder

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

WH Cylinders manufacture a full range of unvented mains pressure domestic hot water cylinders for any application.

All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

- High quality stainless steel
- 25 Year manufacturing warranty
- Highly insulated Part L compliant
- Full system unvented kits
- WRAS approved product
- ISO9001 certified quality management

Twin Coil Super Flow Dimensional Drawing

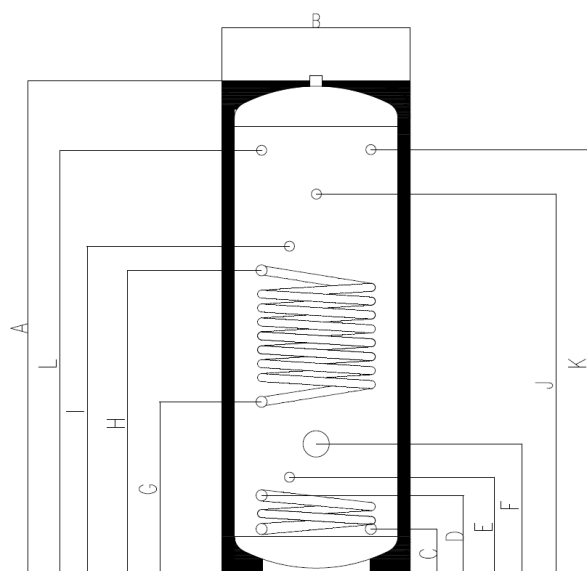
WH Cylinders Super Flow Twin Coil 150L—300L

Unvented Domestic Hot Water Cylinders



WORLD HEAT
CYLINDERS

50mm Polyurethane Insulation 
White Finished Casing
Bespoke cylinders available at request



*** Please note ***
Dimensions below
represent the cased
finished product.



Dimension	A	B	C	D	E	F	G	H	I	J	K	L
Capacity (Litres)	Height & 22mm Comp Hot Draw off	Diameter	22mm Comp C/Feed & 22mm Stub Return	22mm Stub Coil Flow	Stat Pocket	1 3/4" Female Immersion Heater	22mm Stud Pipe Return	22mm Stud Pipe Flow	Stat Pocket	22mm Comp 2nd Return	1/2" Temp and Pressure Relief	Stat Pocket
150	1150mm	550mm	190mm	270mm	320mm	340mm	380mm	780mm	800mm	840mm	880mm	880mm
180	1270mm	550mm	190mm	270mm	320mm	420mm	506mm	906mm	950mm	1000mm	1056mm	1056mm
210	1500mm	550mm	190mm	270mm	320mm	420mm	506mm	906mm	1044mm	1119mm	1194mm	1194mm
250	1764mm	550mm	190mm	270mm	320mm	625mm	725mm	1275mm	1325mm	1475mm	1500mm	1500mm
300	2050mm	550mm	190mm	270mm	320mm	625mm	725mm	1275mm	1325mm	1475mm	1807mm	1807mm

Nominal capacity (Litres)		150	180	210	250	300
Overall packaged dimensions H x W x D (mm)		1250 x 600 x 600	1370 x 600 x 600	1600 x 600 x 600	1864 x 600 x 600	2150 x 600 x 600
Approximate Weight (KG)	Empty	40	45	50	55	60
	Full	190	225	260	305	360
	Packaged	50	55	60	65	70
Control & relief valve pressure settings	Pressure Reducing & Relief Valve	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar
	Exp Vessel	12L	12L	18L	18L	24L
	T & P Valve	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar
Immersion Heater		3KW Single Phase - 230V - 50hz				
Cylinder Material		Duplex Stainless Steel				
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent				
Dedicated Solar Volume (Litres)		50	60	70	83	100
Solar Coil Surface area		1m2	1m2	1m2	1m2	1m2
Insulation thickness (mm)		50	50	50	50	50
Standing heat loss		1.31	1.60	1.85	2.1	2.31
GWP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5
ODP of Insulation		0	0	0	0	0
ERP Rating		C	C	C	C	C

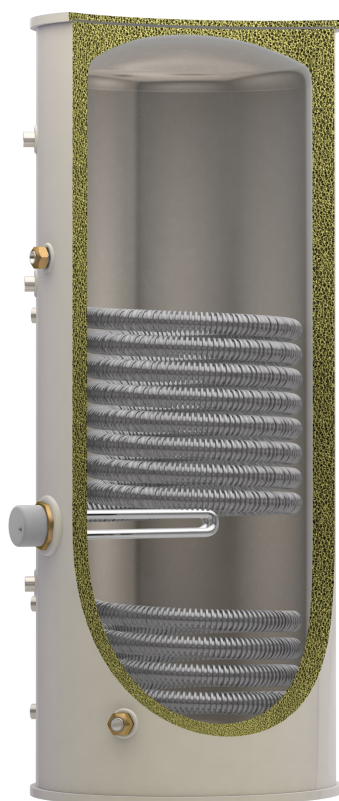
Product Information Sheet

WH Cylinders Super Flow Twin Coil Slim 150L—210L

Unvented Domestic Hot Water Cylinders



WORLD HEAT
CYLINDERS



**High quality British
manufactured stainless steel
domestic hot water solutions
designed for any application.**

**WH Cylinders manufacture a full range of
unvented mains pressure domestic hot
water cylinders for any application.**

All of our cylinders are manufactured from
high quality stainless steel under an ISO9001
certified quality management
system in our purpose made manufacturing
facility in Manchester.

Key Features

- High quality stainless steel
- 25 Year manufacturing warranty
- Highly insulated Part L compliant
- Full system unvented kits
- WRAS approved product
- ISO9001 certified quality management
- Pre-plumbed models available

Twin Coil Indirect Slimline Unvented Stainless Steel Cylinders

Product Reference	Description	Coil Area
150TSSFLOWSLIM	150 Litre Indirect Slimline Twin Coil Stainless Steel Cylinder	1m ²
180TSSFLOWSLIM	180 Litre Indirect Slimline Twin Coil Stainless Steel Cylinder	1m ²
210TSSFLOWSLIM	210 Litre Indirect Slimline Twin Coil Stainless Steel Cylinder	1m ²

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk



Twin Coil Super Flow Dimensional Drawing

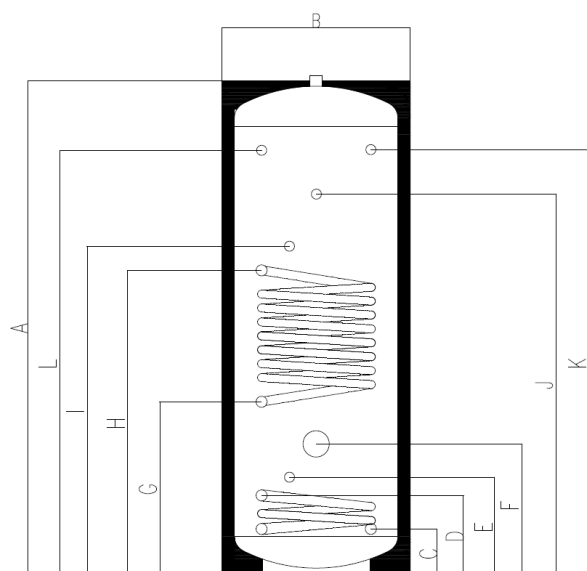
WH Cylinders Super Flow Twin Coil Slim 150L—210L

Unvented Domestic Hot Water Cylinders



WORLD HEAT
CYLINDERS

50mm Polyurethane Insulation
White Finished Casing
Bespoke cylinders available at request



*** Please note ***
Dimensions below
represent the cased
finished product.



Dimension	A	B	C	D	E	F	G	H	I	J	K	L
Capacity (Litres)	Height & 22mm Comp Hot Draw off	Diameter	22mm Comp C/Feed & 22mm Stub Return	22mm Stub Coil Flow	Stat Pocket	1 3/4" Female Immersion Heater	22mm Stud Pipe Return	22mm Stud Pipe Flow	Stat Pocket	22mm Comp 2nd Return	1/2" Temp and Pressure Relief	Stat Pocket
150	1470mm	475mm	190mm	270mm	320mm	340mm	380mm	780mm	800mm	1000mm	1214mm	1214mm
180	1720mm	475mm	190mm	270mm	320mm	420mm	506mm	906mm	950mm	1264mm	1464mm	1464mm
210	2050mm	475mm	190mm	270mm	320mm	420mm	506mm	906mm	1044mm	1594mm	1794mm	1794mm

Nominal capacity (Litres)		150	180	210
Overall packaged dimensions H x W x D (mm)		1570 x 550 x 550	1820 x 550 x 550	2150 x 550 x 550
Approximate Weight (KG)	Empty	40	45	50
	Full	190	225	260
	Packaged	50	55	60
Control & relief valve pressure settings	Pressure Reducing & Relief Valve	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar
	Exp Vessel	12L	12L	18L
	T & P Valve	7 Bar	7 Bar	7 Bar
Immersion Heater	3KW Single Phase - 230V - 50hz			
Cylinder Material	Duplex Stainless Steel			
Insulation Type	Polyurethane (PU) Insulation with CO2 Blowing Agent			
Dedicated Solar Volume (Litres)		50	60	70
Solar Coil Surface Area		1m2	1m2	1m2
Insulation thickness (mm)		50	50	50
Standing heat loss		1.31	1.60	1.85
GWP of Insulation		Less than 5	Less than 5	Less than 5
ODP of Insulation		0	0	0
ERP Rating		C	C	C

Product Information

WH Cylinders

Climacyl— Unvented Heat Pump Cylinders

120L—300L



WORLD HEAT
CYLINDERS



High quality British manufactured stainless steel domestic hot water solutions designed for any application.

Climacyl Standard Stainless Steel Heat Pump Cylinder

Product Reference	Description	Coil Area
150CLIMACYLSS2	150 Litre Stainless Steel Heat Pump Cylinder	2m ²
180CLIMACYLSS2	180 Litre Stainless Steel Heat Pump Cylinder	2m ²
210CLIMACYLSS3	210 Litre Stainless Steel Heat Pump Cylinder	3m ²
250CLIMACYLSS3	250 Litre Stainless Steel Heat Pump Cylinder	3m ²
300CLIMACYLSS3	300 Litre Stainless Steel Heat Pump Cylinder	3m ²

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

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All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

- High quality stainless steel
- 25 Year manufacturing warranty
- Highly insulated Part L compliant
- Full system unvented kits
- WRAS approved product
- ISO9001 certified quality management
- Pre-plumbed models available

Indirect Climacyl Dimensional Drawing

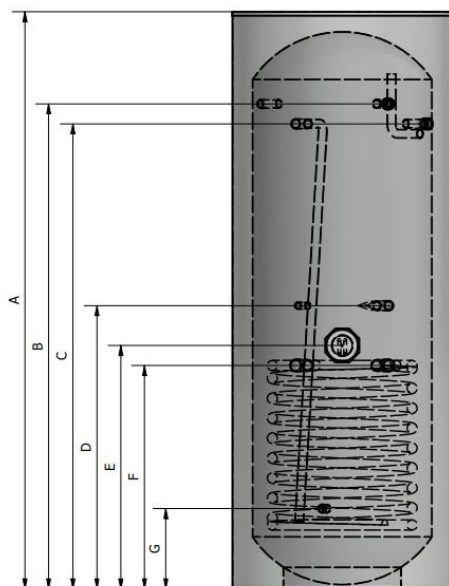
WH Cylinders

Climacyl Unvented Heat Pump Cylinders

120L—300L



WORLD HEAT
CYLINDERS



*All dimensions in mm

** Connection dimensions may differ from this table

Capacity	Diameter	A HEIGHT	B T&P & SECONDARY RETURN	C COLD FEED & HOT DRAW OFF	D STATS	E IMMERSION HEATER	F COIL CONNec- TIONS	G DRAIN
120	550	950	719	719	660	560	460	200
150	550	1150	919	889	710	610	560	200
180	550	1290	1055	1025	710	610	560	200
210	550	1450	1216	1166	710	610	560	200
250	550	1765	1553	1483	710	610	560	200
300	550	2030	1755	1706	710	610	560	210

Nominal capacity (Litres)		120	150	180	210	250	300
Overall packaged dimensions H x W x D (mm)		1000 x 600 x 600	1250 x 600 x 600	1450 x 600 x 600	1600 x 600 x 600	1920 x 600 x 600	2230 x 600 x 600
Approximate Weight (KG)	Empty	35	40	45	50	55	60
	Full	155	190	225	260	305	360
	Packaged	55	60	65	70	75	80
Control & relief valve pressure settings	Pressure Reducing & Relief Valve	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar
	Exp Vessel	12L	12L	12L	18L	18L	24L
	T & P Valve	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar
Coil Sizes	DWH	2M ²	2M ²	2M ²	3M ²	3M ²	3M ²
Immersion Heater		3KW Single Phase - 230V - 50hz					
Cylinder Material		Duplex Stainless Steel					
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent					
Standing heat loss (Watts)		51.2	55.8	58.3	76.3	86.4	95.6
Energy Efficiency Class		B	B	B	C	C	C
ODP of Insulation		0	0	0	0	0	0
GWP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5

* Solar twin coil units available on request

** Bespoke cylinders available on request



Product Information

WH Cylinders

Climacyl Twin Coil— Unvented Heat pump & Solar Cylinders

120L—300L



WORLD HEAT
CYLINDERS



High quality British manufactured stainless steel domestic hot water solutions designed for any application.

Climacyl Twin Coil Standard Stainless Steel Heat Pump Cylinder

Product Reference	Description	Heat Pump Coil Area
150CLIMACYLSSTC21	150 Litre Stainless Steel Twin Coil Heat Pump Cylinder	2m ²
180CLIMACYLSSTC12	180 Litre Stainless Steel Twin Coil Heat Pump Cylinder	2m ²
210CLIMACYLSSTC31	210 Litre Stainless Steel Twin Coil Heat Pump Cylinder	3m ²
250CLIMACYLSSTC31	250 Litre Stainless Steel Twin Coil Heat Pump Cylinder	3m ²
300CLIMACYLSSTC31	300 Litre Stainless Steel Twin Coil Heat Pump Cylinder	3m ²

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

WH Cylinders manufacture a full range of unvented mains pressure domestic hot water cylinders for any application.

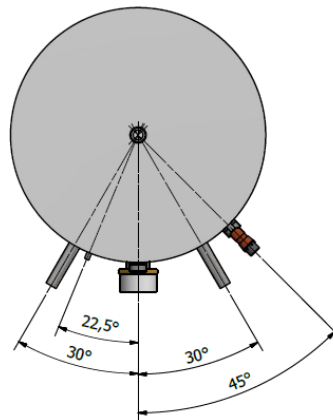
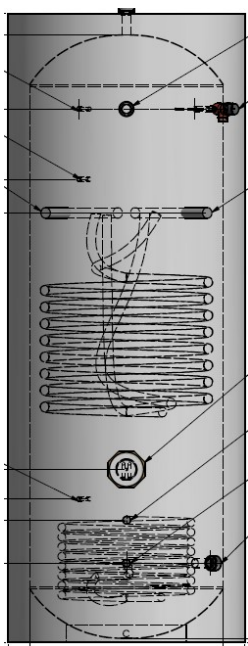
All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

- High quality stainless steel
- 25 Year manufacturing warranty
- Highly insulated Part L compliant
- Full system unvented kits
- WRAS approved product
- ISO9001 certified quality management
- Pre-plumbed models available



50mm Polyurethane Insulation
White Finished Casing
Bespoke cylinders available at request



*All dimensions in mm

** Connection dimensions may differ from this table

Dimension	A	B	C	D	E	F	G	H	I	J	K	L				
Capacity (Litres)	Height & 22mm Comp Hot Draw off	Diameter	22mm Comp C/Feed & 22mm Stub Return	28mm Stub Coil Flow	Stat Pocket	1 3/4” Female Immer-sion Heater	22mm Stud Pipe Flow	22mm Stud Pipe Return	Stat Pocket	22mm Comp 2nd Return	1/2” Temp and Pressure Relief	Stat Pocket				
150	1150mm	550mm	190mm	270mm	320mm	340mm	780mm	780mm	800mm	840mm	880mm	880mm				
180	1270mm	550mm	190mm	270mm	320mm	420mm	906mm	906mm	950mm	1000mm	1056mm	1056mm				
210	1500mm	550mm	190mm	270mm	320mm	420mm	906mm	906mm	1044mm	1119mm	1194mm	1194mm				
250	1764mm	550mm	190mm	270mm	320mm	625mm	1275mm	1275mm	1325mm	1475mm	1500mm	1500mm				
300	2050mm	550mm	190mm	270mm	320mm	625mm	1275mm	1275mm	1325mm	1475mm	1807mm	1807mm				
Nominal capacity (Litres)					120		150		180		210		250		300	
Overall packaged dimensions H x W x D (mm)					1000 x 600 x 600		1250 x 600 x 600		1320 x 600 x 600		1550 x 600 x 600		1810 x 600 x 600		2150 x 600 x 600	
Approximate Weight (KG)			Empty	35		40		45		50		55		60		
			Full	155		190		225		260		305		360		
			Packaged	45		50		55		60		65		70		
Control & relief valve pressure settings			Pressure Reduc-ing & Relief Valve	3 Bar / 6 Bar		3 Bar / 6 Bar		3 Bar / 6 Bar		3 Bar / 6 Bar		3 Bar / 6 Bar		3 Bar / 6 Bar		
			Exp Vessel	12L		12L		12L		18L		18L		24L		
			T & P Valve	7 Bar		7 Bar		7 Bar		7 Bar		7 Bar		7 Bar		
Immersion Heater			3KW Single Phase - 230V - 50hz													
Cylinder Material			Duplex Stainless Steel													
Insulation Type			Polyurethane (PU) Insulation with CO2 Blowing Agent													
Insulation thickness (mm)				50		50		50		50		50		50		
Standing heat loss (KwH/Annum)				57.9		61.5		65.3		76.3		86.4		95.6		
GWP of Insulation				Less than 5		Less than 5		Less than 5		Less than 5		Less than 5		Less than 5		
ODP of Insulation				0		0		0		0		0		0		
ERP Rating				C		C		C		C		C		C		

* Solar twin coil units available on request

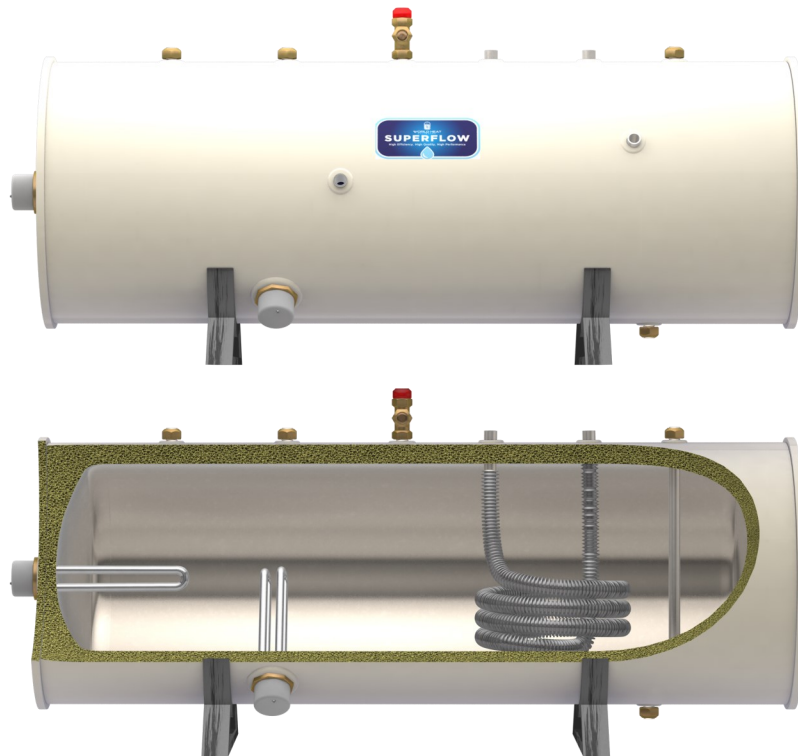
** Bespoke cylinders available on request



Climacyl Heat Pump Horizontal Cylinders

WH Cylinders Climacyl Twin Coil Horizontal

Unvented Domestic Hot Water Cylinders



High quality British manufactured stainless steel domestic hot water solutions designed for any application.

Horizontal Climacyl Twin Coil Standard Stainless Steel Heat Pump Cylinder		
Product Reference	Description	Heat Pump Coil Area
120CLIMACYLSSHTC21	120 Litre Stainless Steel Twin Coil Heat Pump Cylinder	2m ²
150CLIMACYLSSHTC21	150 Litre Stainless Steel Twin Coil Heat Pump Cylinder	2m ²
180CLIMACYLSSHTC12	180 Litre Stainless Steel Twin Coil Heat Pump Cylinder	2m ²
210CLIMACYLSSHTC31	210 Litre Stainless Steel Twin Coil Heat Pump Cylinder	3m ²
250CLIMACYLSSHTC31	250 Litre Stainless Steel Twin Coil Heat Pump Cylinder	3m ²
300CLIMACYLSSHTC31	300 Litre Stainless Steel Twin Coil Heat Pump Cylinder	3m ²

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

WH Cylinders manufacture a full range of unvented mains pressure domestic hot water cylinders for any application.

All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

- High quality stainless steel
- Heat exchanger specifically designed for heat pump systems
- 25 Year manufacturing warranty subject to annual maintenance.
- Highly insulated Part L compliant
- Full system unvented kits
- WRAS approved product
- ISO9001 certified quality management
- Pre-plumbed models available

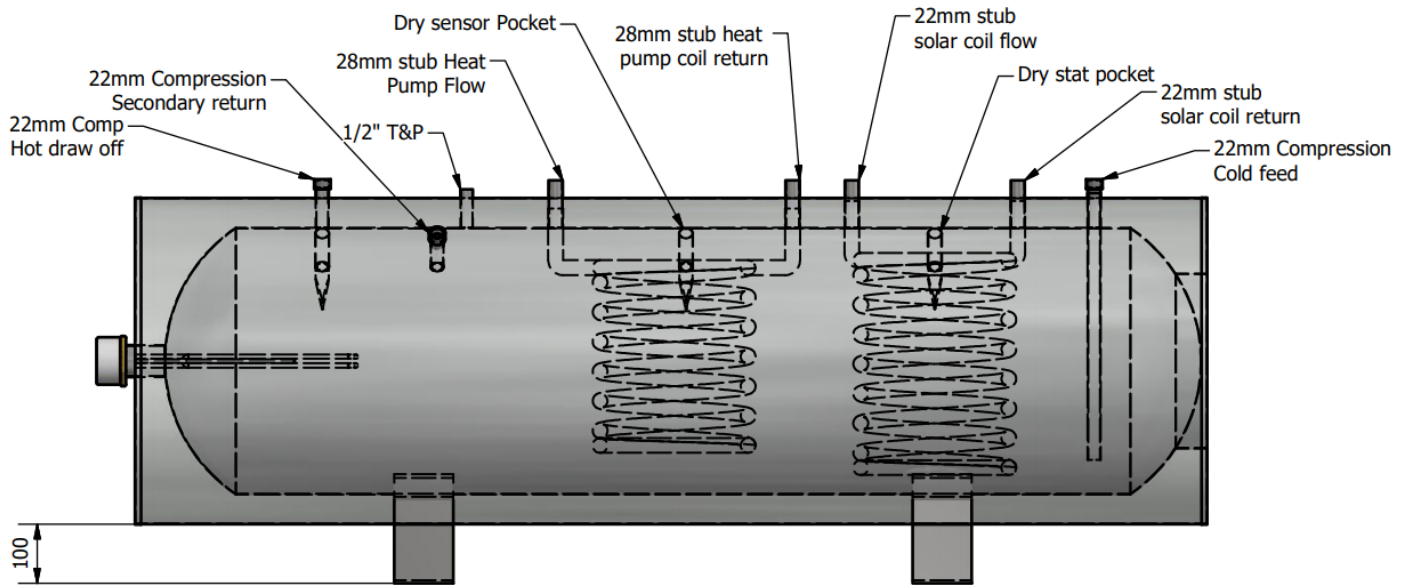
Climacyl Heat Pump Horizontal

WH Cylinders Climacyl Twin Coil Horizontal

Unvented Domestic Hot Water Cylinders



WORLD HEAT
CYLINDERS



Capacity (Litres)	Length	Diameter
120	900mm	550mm
150	1150mm	550mm
180	1350mm	550mm
210	1550mm	550mm
250	1750mm	550mm
300	2050mm	550mm

Nominal capacity (Litres)	120	150	180	210	250	300
Overall packaged dimensions H x W x D (mm)	950 x 600 x 600	1250 x 600 x 600	1450 x 600 x 600	1650 x 600 x 600	1850 x 600 x 600	2100 x 600 x 600
Approximate Weight (KG) (Dry & Wet)	45	50	55	60	65	70
	195	200	235	370	315	400
Control & relief valve pressure settings	3 bar	3 bar	3 bar	3 bar	3 bar	3 bar
	12L	12L	12L	18L	18L	24L
	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar	7 Bar
	6 Bar	6 Bar	6 Bar	6 Bar	6 Bar	6 Bar
Immersion Heater	1 x 3KW Single Phase - 230V - 50hz					
Cylinder Material	Duplex Stainless Steel					
Insulation Type	Polyurethane (PU) Insulation with CO2 Blowing Agent					
Insulation thickness (mm)	50	50	50	50	50	50
Standing heat loss	1.23	1.31	1.60	1.85	2.1	2.31
ODP of Insulation	0	0	0	0	0	0
GWP of Insulation	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5
ERP Rating	C	C	C	C	C	C

**** Bespoke cylinders available on request**



Product Information

WH Cylinders

Ecoslim — Unvented Heat Pump Cylinders

120L—210L



WORLD HEAT
CYLINDERS



**High quality British
manufactured stainless steel
domestic hot water solutions
designed for any application.**

SLIM – Unvented Cylinders c/w Heat Pump Coil

Product Reference	Description	Coil Area
150ECOSLIMSS2	150 Litre Slimline Unvented Cylinder	2m ²
180ECOSLIMSS2	180 Litre Slimline Unvented Cylinder	3m ²
210ECOSLIMSS3	210 Litre Slimline Unvented Cylinder	3m ²

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



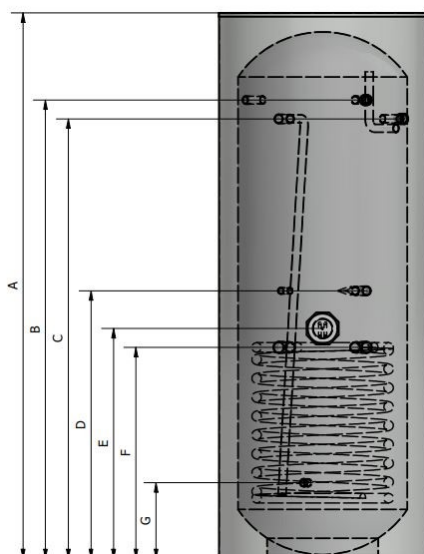
Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

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Key Features

- High quality stainless steel
- 25 Year manufacturing warranty
- Highly insulated Part L compliant
- Full system unvented kits
- WRAS approved product
- ISO9001 certified quality management
- Pre-plumbed models available



*All dimensions in mm

** Connection dimensions may differ from this table

Capacity	Diameter	A HEIGHT	B T&P & SECONDARY RETURN	C COLD FEED & HOT DRAW OFF	D STATS	E IMMERSION HEATER	F COIL CONNEC- TIONS	G DRAIN
120	475	1206	959	959	710	610	560	200
150	475	1470	1264	1214	710	610	560	200
180	475	1690	1480	1430	710	610	560	200
210	475	1990	1770	1740	710	610	560	200

Nominal capacity (Litres)		120	150	180	210
Overall packaged dimensions H x W x D (mm)		1250 x 475 x 475	1550 x 475 x 475	1750 x 475 x 475	2100 x 475 x 475
Approximate Weight (KG)	Empty	35	40	45	50
	Full	155	190	225	260
	Packaged	55	60	65	70
Control & relief valve pressure settings	Pressure Reducing & Relief Valve	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar	3 Bar / 6 Bar
	Exp Vessel	12L	12L	12L	18L
	T & P Valve	7 Bar	7 Bar	7 Bar	7 Bar
Coil Sizes	DWH	2M ²	2M ²	2M ²	3M ²
	Solar*	1m ²	1m ²	1m ²	1m ²
Immersion Heater		3KW Single Phase - 230V - 50hz			
Cylinder Material		Duplex Stainless Steel			
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent			
Standing heat loss (KwH/Annum)		57.9	61.5	65.3	76.3
Energy Efficiency Class		C	C	C	C
GWP of Insulation		0	0	0	0
ODP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5

* Solar twin coil units available on request

** Bespoke cylinders available on request



Product Information

WH Cylinders CLIMA-BUFF 150L—300L Unvented Domestic Hot Water Cylinders



High quality British manufactured stainless steel domestic hot water solutions designed for any application.

Climabuff Stainless Steel Heat Pump Cylinder with Internal 50L Buffer Vessel

Product Reference	Description	Coil Area
150CLIMABUFF	150 Litre Heat Pump Cylinder with Internal 50L Buffer Vessel	2m ²
180CLIMABUFF	180 Litre Heat Pump Cylinder with Internal 50L Buffer Vessel	2m ²
210CLIMABUFF	210 Litre Heat Pump Cylinder with Internal 50L Buffer Vessel	3m ²
250CLIMABUFF	250 Litre Heat Pump Cylinder with Internal 50L Buffer Vessel	3m ²
300CLIMABUFF	300 Litre Heat Pump Cylinder with Internal 50L Buffer Vessel	3m ²

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 826 1661
Email: sales@whcylinders.co.uk

WH Cylinders manufacture a full range of Unvented combined heat pump and buffer vessel in one integrated case.

All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

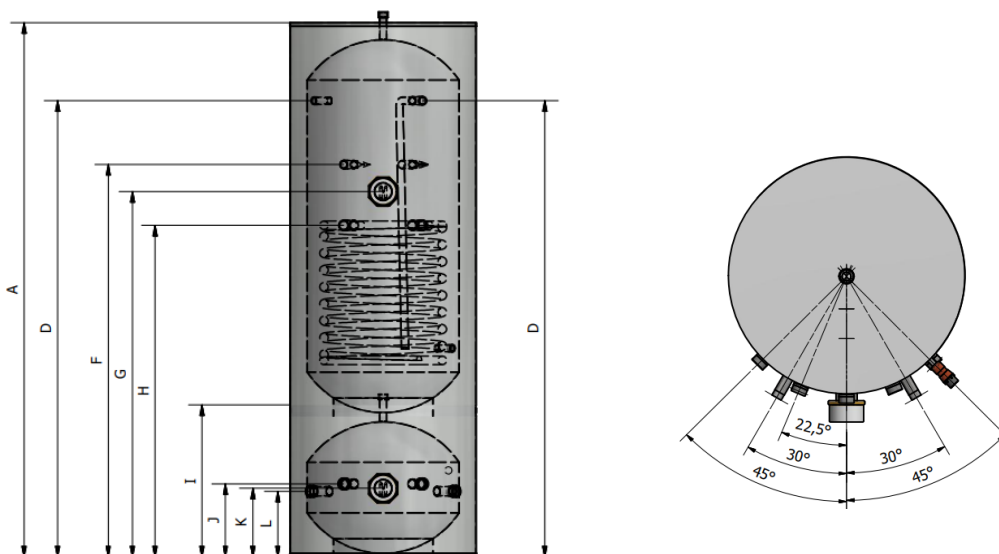
- **Combined buffer vessel & cylinder**
- **High quality stainless steel**
- **25 Year manufacturing warranty subject to annual maintenance**
- **Highly insulated Part L compliant**
- **Full system unvented kits**
- **ISO9001 certified quality management**
- **Pre-plumbed models available**

CLIMA-BUFF RANGE

WH Cylinders CLIMA-BUFF 150L—300L Unvented Domestic Hot Water Cylinders



WORLD HEAT
CYLINDERS



Capacity	A (Overall Height)	B (Overall Diam)	C (Cold Feed)	D (T&P Valve)	E (Sec. Return)	F (Sensor Pocket)	G (Electric Heater)	H (Coils F & R)	I (Buffer Height)	J (Buffer F&R)	K (Buffer Heater)	L (Buffer F & R)
150L	1505	550	1295	1295	1295	1095	1015	915	350	230	147	110
180L	1630	550	1403	1403	1403	1095	1015	915	350	230	147	110
210L	1820	550	1599	1599	1599	1095	1015	915	350	230	147	110
250L	2020	550	1790	1790	1790	1095	1015	915	350	230	147	110
300L	2020	600	1785	1785	1785	1325	1225	1155	440	250	225	200
Nominal capacity (Litres)				150		180		210		250		300
Overall packaged dimensions H x W x D (mm)				1605x600x900		1730x600x900		1920x600x900		2120x600x900		2120x600x900
Approximate Weight (KG)			Empty	65.5		69.5		75		81		88
			Full	215.5		249.5		285		331		388
			Packaged	77		81		86		92		99
Control & relief valve pressure settings			Pressure Reducing & Relief Valve	3 Bar / 6 Bar		3 Bar / 6 Bar		3 Bar / 6 Bar		3 Bar / 6 Bar		3 Bar / 6 Bar
			Exp Vessel	12L		12L		18L		18L		24L
			T & P Valve	7 Bar		7 Bar		7 Bar		7 Bar		7 Bar
Buffer Vessel Capacity			50 Litres / 100 Litres (Dimensions will differ on 100L buffer)									
Immersion Heater			1 x 3KW Single Phase - 230V - 50hz									
Cylinder Material			Duplex Stainless Steel									
Buffer Vessel Material			Stainless Steel									
Insulation Type			Polyurethane (PU) Insulation with CO2 Blowing Agent									
Insulation thickness (mm)				50		50		50		50		50
Standing heat loss				55.8		58.3		76		86		96
GWP of Insulation				Less than 5		Less than 5		Less than 5		Less than 5		Less than 5
ODP of Insulation				0		0		0		0		0
ERP Rating				B		B		C		C		C



Product Information

WH Cylinders CLIMABUFF-SLIM 150L &180L Unvented Domestic Hot Water Cylinders



High quality British manufactured stainless steel domestic hot water solutions designed for any application.

Climabuff Slimline Stainless Steel Heat Pump Cylinder with Internal 25 Litre Buffer Vessel

Product Reference	Description	Coil Area
150CLIMABUFFSLIM	150 Litre Climabuff Slimline Heat Pump Cylinder with 25L Internal Buffer Vessel	2m ²
180CLIMABUFFSLIM	180 Litre Climabuff Slimline Heat Pump Cylinder with 25L Internal Buffer Vessel	2m ²

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 826 1661
Email: sales@whcylinders.co.uk

WH Cylinders manufacture a full range of Unvented combined heat pump and buffer vessel in one integrated case.

All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

- Combined buffer vessel & cylinder
- High quality stainless steel
- 25 Year manufacturing warranty subject to annual maintenance.
- Highly insulated Part L compliant
- Full system unvented kits
- ISO9001 certified quality management
- Pre-plumbed models available

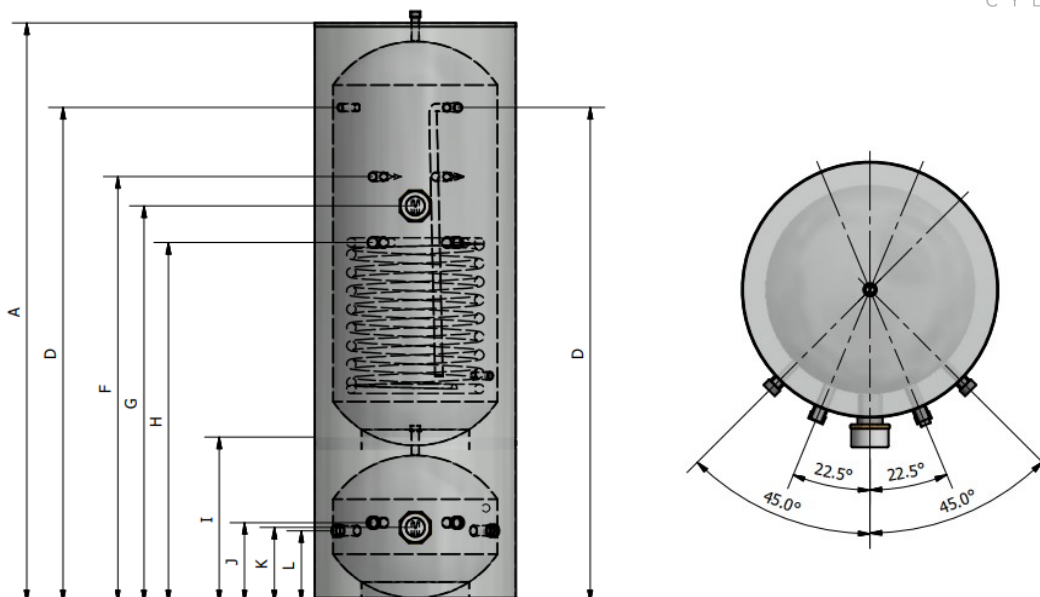
CLIMA-BUFF RANGE

WH Cylinders CLIMABUFF-SLIM 150L & 180L

Unvented Domestic Hot Water Cylinders



WORLD HEAT
CYLINDERS



Capacity	A (Overall Height)	B (Overall Diam)	C (Cold Feed)	D (T&P Valve)	E (Sec. Return)	F (Sensor Pocket)	G (Electric Heater)	H (Coils F & R)	I (Buffer Height)	J (Buffer F&R)	K (Buffer Heater)	L (Buffer F & R)
150L	1900	475	1683	1683	N/A	990	900	840	280	230	142	110
180L	2085	475	1868	1868	1868	990	900	840	280	230	142	110

Nominal capacity (Litres)		150	180
Overall packaged dimensions H x W x D (mm)		2000x600x900	2100x600x900
Approximate Weight (KG)	Empty	65.5	69.5
	Full	215.5	249.5
	Packaged	77	81
Control & relief valve pressure settings	Pressure Reducing & Relief Valve	3 Bar / 6 Bar	3 Bar / 6 Bar
	Exp Vessel	12L	12L
	T & P Valve	7 Bar	7 Bar
Buffer Vessel Capacity	25 Litres		
Immersion Heater	1 x 3KW Single Phase - 230V - 50hz		
Cylinder Material	Duplex Stainless Steel		
Buffer Vessel Material	Stainless Steel		
Insulation Type	Polyurethane (PU) Insulation with CO2 Blowing Agent		
Insulation thickness (mm)		50	50
Standing heat loss		62	65
GWP of Insulation		Less than 5	Less than 5
ODP of Insulation		0	0
ERP Rating		C	C



Product Information Sheet

WH Cylinders

EcoTherm Direct Self Fill Thermal Store Standard

150 Litre to 210 Litre



WORLD HEAT
CYLINDERS



**High quality British manufactured
Stainless Steel Thermal Stores
designed for any application.**

Ecotherm Direct Stainless Steel Thermal Store

Product Reference	Description
150FISCHSTDSS	150 Litre Stainless Steel Heat Pump Cylinder
180FISCHSTDSS	180 Litre Stainless Steel Heat Pump Cylinder
210FISCHSTDSS	210 Litre Stainless Steel Heat Pump Cylinder

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

**WH Cylinders manufacture a full range
of Thermal store cylinders for any
application.**

All of our cylinders are manufactured
from high quality Stainless Steel under
an ISO9001 certified quality
management system in our purpose
built manufacturing facility in
Manchester.

Key Features

- High quality Stainless Steel
- 5 Year manufacturing warranty
- Highly insulated Part L compliant
- Full Pre Plumbed system kits provided
- ISO9001 certified quality management

Product Information Sheet

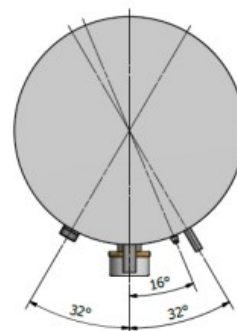
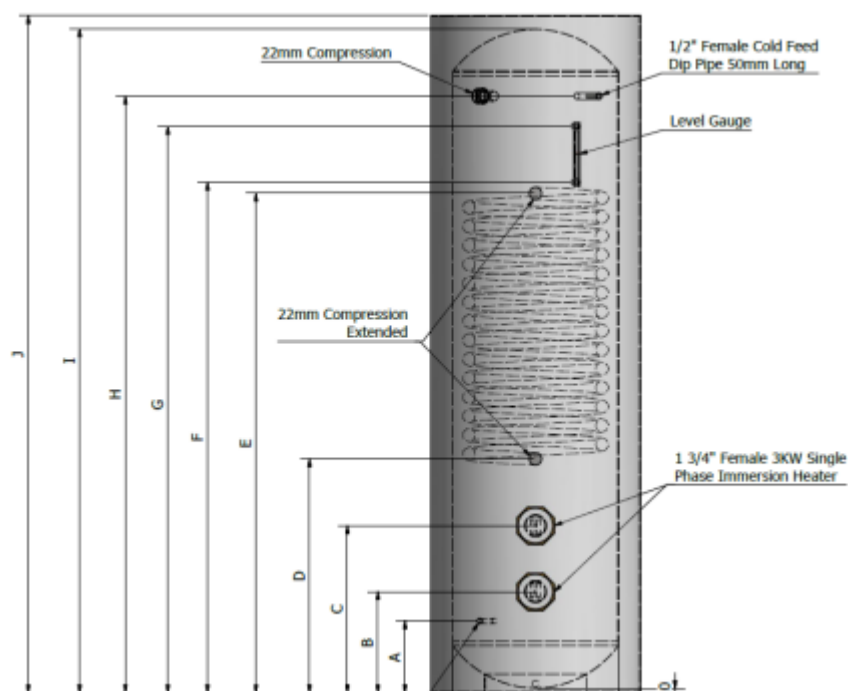
WH Cylinders

EcoTherm Direct Self Fill Thermal Store **Standard**

150 Litre to 210 Litre



WORLD HEAT
CYLINDERS



Dimension	A	B	C	D	E	F	G	H	I	J
Capacity (Litres)	1/2" F Drain	2 1/4" Immersion	2 1/4" Immersion	22mm Coil Return	22mm Coil Flow	Level Gauge	Level Gauge	22mm Secondary Return/ Cold feed	Cylinder Dimension	Cased Cylinder Dimension
150	100mm	155mm	550mm	655mm	1055mm	1075mm	1201mm	1280mm	1380mm	1440mm
180	100mm	155mm	650mm	804mm	1204mm	1224mm	1350mm	1439mm	1539mm	1589mm
210	100mm	155mm	700mm	955mm	1355mm	1375mm	1501mm	1590mm	1690mm	1740mm

Model		150FISCHSTD	180FISCHSTD	210FISCHSTD
Nominal capacity		150 Litres	180 Litres	210 Litres
Overall packaged dimensions HxWxD (mm)		1540mm x 600mm	1689mm x 600mm	1840mm x 600mm
Cylinder Size		1440mm x 550mm	1589mm x 550mm	1740mm x 550mm
Approximate Weight	Empty	30KG	35KG	40KG
	Full	180KG	215KG	250KG
	Packaged	35KG	40KG	45KG

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN

Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk



Product Information Sheet

WH Cylinders

EcoTherm Direct Self Fill Thermal Store **Slim**

150 Litre to 180 Litre



WORLD HEAT
CYLINDERS



**High quality British manufactured
Stainless Steel Thermal Stores designed
for any application.**

Ecotherm Slimline Direct Stainless Steel Thermal Store

Product Reference	Description
150FISCHSLIMSS	150 Litre Slimline Thermal Store
180FISCHSLIMSS	180 Litre Slimline Thermal Store

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

WH Cylinders manufacture a full range of Thermal store cylinders for any application.

All of our cylinders are manufactured from high quality Stainless Steel under an ISO9001 certified quality management system in our purpose built manufacturing facility in Manchester.

Key Features

- High quality Stainless Steel
- 5 Year manufacturing warranty
- Highly insulated Part L compliant
- Full Pre Plumbed system kits provided
- ISO9001 certified quality management

Product Information Sheet

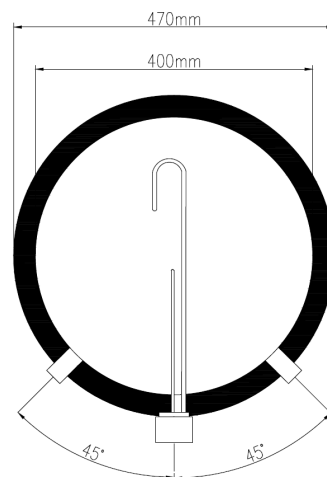
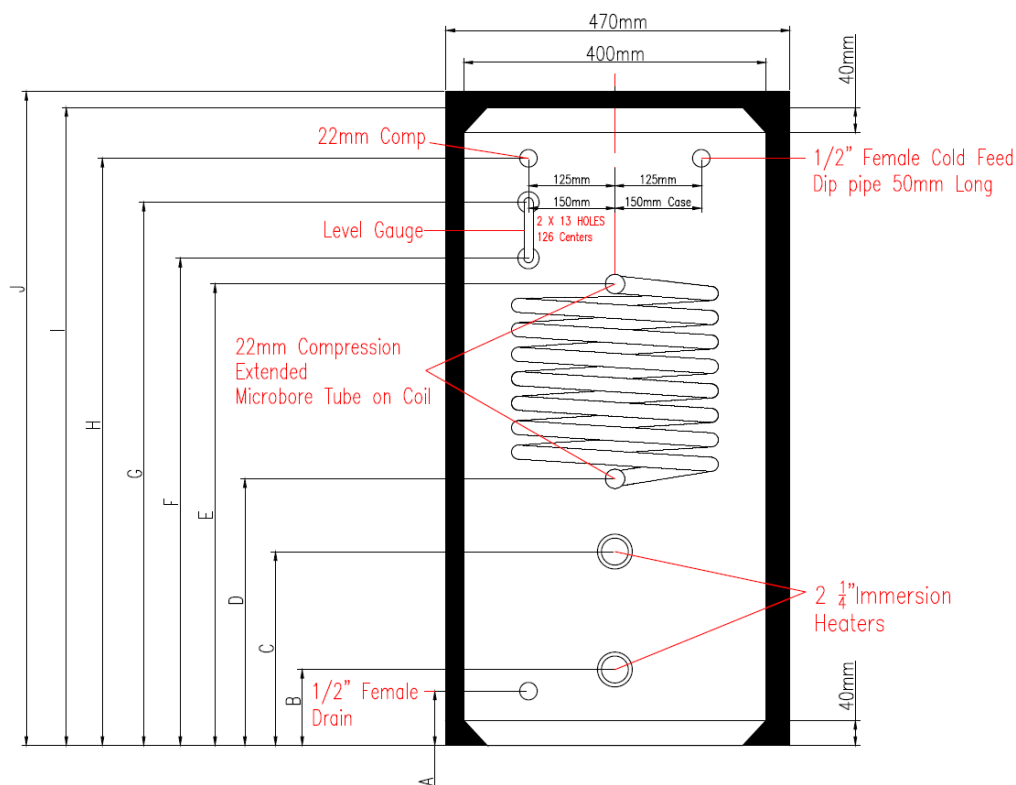
WH Cylinders

EcoTherm Direct Self Fill Thermal Store Slim

150 Litre to 180 Litre



WORLD HEAT
CYLINDERS



Dimension	A	B	C	D	E	F	G	H	I	J
Capacity (Litres)	1/2" F Drain	2 1/4" Immersion	2 1/4" Immersion	22mm Coil Return	22mm Coil Flow	Level Gauge	Level Gauge	22mm Secondary Return/ Cold feed	Cylinder Dimension	Cased Cylinder Dimension
150	100mm	155mm	400mm	604mm	1304mm	1324mm	1350mm	1430mm	1480mm	1530mm
180	80mm	145mm	680mm	860mm	1460mm	1480mm	1606mm	1695mm	1790mm	1840mm

Model		150FISCHSLIM	180FISCHSLIM
Nominal capacity		150 Litres	180 Litres
Overall packaged dimensions HxWxD (mm)		1630mm x 520mm	1940mm x 520mm
Cylinder Size		1530mm x 470mm	1840mm x 470mm
Approximate Weight	Empty	30KG	35KG
	Full	180KG	215KG
	Packaged	35KG	40KG

Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN

Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk



Product Information

WH Cylinders

Standard Buffer Vessels 50L to 300L



WORLD HEAT
CYLINDERS



**High quality British
Manufactured super insulated
mild steel buffer vessels designed
for any application.**

Cased and Insulated Mild Steel Buffer Vessels (3 Bar Working Pressure)

Product Reference	Description
50MSBUFF	50L Mild Steel Buffer Vessel (Cased)
100MSBUFF	100L Mild Steel Buffer Vessel (Cased)
150MSBUFF	150L Mild Steel Buffer Vessel (Cased)
180MSBUFF	180L Mild Steel Buffer Vessel (Cased)
210MSBUFF	210L Mild Steel Buffer Vessel (Cased)
250MSBUFF	250L Mild Steel Buffer Vessel (Cased)
300MSBUFF	300L Mild Steel Buffer Vessel (Cased)



Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN

Tel: 0161 343 8610
Fax: 0161 826 1661
Email: sales@whcylinders.co.uk

WH Cylinders manufacture a range of high quality mild steel Buffer Vessels for any application.

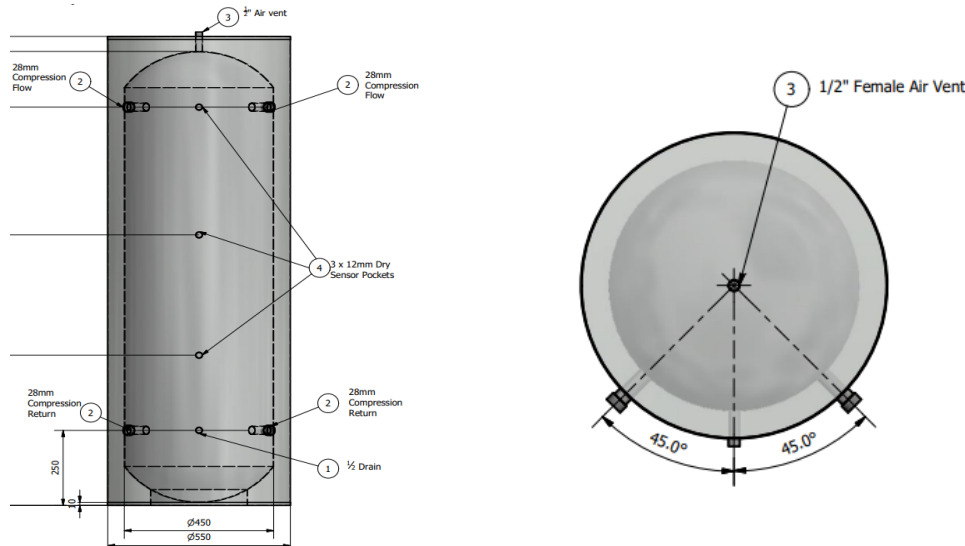
All of our vessels are manufactured from high quality mild steel, under an ISO9001 certified quality management system in our purpose built manufacturing facility in Manchester. The vessel will be manufactured to withstand a maximum secondary working pressure of 6 Bar Gauge and be hydraulically tested to 10.05 Bar Gauge.

Key Features

- High quality mild steel
- Highly efficient injection foam insulation
- Easy lifting and positioning features
- ISO9001 certified quality management
- Bespoke fast turnaround vessels available
- Primary expansion vessels available

Dimensional Drawing WH Cylinders

Standard Buffer Vessels 50L to 300L



Product Code	Capacity (L)	Cylinder Height OVERALL (mm)	Cylinder Diameter OVERALL (mm)	Connection A (Drain)		Connection B		Connection C		Connection D	
				Size (Female BSP)	Height (mm)	Size	Height (mm)	Size	Height (mm)	Size	Height (mm)
50MSBUFF	50	495	550	28mm	130	28mm	195	"	125	28mm	325
100MSBUFF	100	800	550	28mm	130	28mm	195	"	277	28mm	555
150MSBUFF	150	1200	550	28mm	130	28mm	195	"	575	28mm	995
180MSBUFF	180	1400	550	28mm	130	28mm	195	"	675	28mm	1155
210MSBUFF	210	1550	550	28mm	130	28mm	195	"	750	28mm	1305
250MSBUFF	250	1750	550	28mm	130	28mm	195	"	850	28mm	1505
300MSBUFF	300	2100	550	28mm	130	28mm	195	"	1025	28mm	1855

Nominal capacity (Litres)		50	100	150	180	210	250	300
Approximate Weight (KG)	Empty	30	35	40	45	50	55	60
	Full	80	165	190	225	260	305	360
	Packaged	55	60	65	70	75	80	85
Vessel Material		316 Stainless Steel						
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent						
Standing heat loss (Watts)		48.6	54.6	60.2	64.3	75.2	86.4	94.2
GWP of Insulation		0	0	0	0	0	0	0
ODP of Insulation		<5	<5	<5	<5	<5	<5	<5
ERP Fiche Volume		52	104	151	178	213	246	296
ERP Energy Efficiency Class		C	C	C	C	C	C	C

* 100mm insulation available on request

** Alternative volumes and Bespoke Buffer Vessels available on request

WH Cylinders
Unit 4, Tudor Industrial Estate, Ashton Street, Dukinfield, Cheshire, SK16 4RN
Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk
Web: www.whcylinders.co.uk





**High quality British
manufactured stainless steel domestic
hot water solutions designed for any
application.**

Inline Buffer Vessels

Product Reference	Description
INLINEVOLUMISER10	10 Litres Stainless Steel Buffer Vessel (28mm)
INLINEVOLUMISER20	20 Litres Stainless Steel Buffer Vessel (28mm)
INLINEVOLUMISER25	25 Litres Stainless Steel Buffer Vessel (28mm)
INLINEVOLUMISER50	50 Litres Stainless Steel Buffer Vessel (28mm)

World Heat Cylinders
Unit 4
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

All of our cylinders are manufactured from high quality Duplex stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

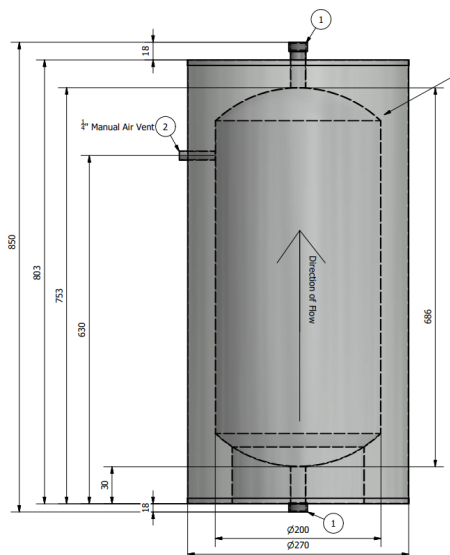
World Heat Cylinders manufacture a full range of inline volumisers specifically for connection to Heat Pump Systems.

Key Features

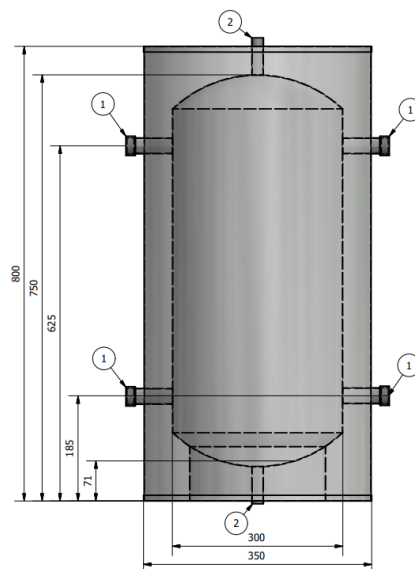
- **Inline heat pump volumisers**
- **25L & 50L version available**
- **High quality duplex stainless steel material**
- **Highly Insulated with injection polyurethane insulation**
- **BSI audited ISO9001 Certified Quality Management**
- **Primary Pipe Work connections**

Dimensional Drawings

UK.INLINE.25



UK.INLINE.50



All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement

Model Reference		UK.INLINE.25	UK.INLINE.50
Nominal Capacity (Litres)		25	50
Overall Shipping Dimensions H x W x D (mm)		950x400x400	900x500x400
Overall Cylinder Dimensions H x W x D (mm)		850x270x270	800x350x350
Weights (kg)	Empty	7KG	14KG
	Full	17KG	60KG
	Packaged	8KG	15KG
Vessel Material		Duplex Stainless Steel	
Connection Size/Type		28mm Compression	
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent	
Insulation Thickness		35mm	
Maximum working pressure		6 Bar G	
Maximum Flow Rate		60 litres per minute	
Standing Heat Loss (W)		22	44
ERP Rating		A	A
GWP of Insulation		0	0
ODP of Insulation		Less than 5	Less than 5

* Larger capacity volumisers and buffers up to 8,000 litres are available on request



Product Information

WH Cylinders

Low Loss Headers



WORLD HEAT
CYLINDERS



High quality British manufactured Low Loss Headers with high efficiency injection foam insulation.

Standard Low Loss Header

Product Reference	Description
1000X100MSLLH	Mild Steel Low Loss Header 1000x100



Tudor House
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN



Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

WH Cylinders manufacture a range of Low Loss Headers available in a white gloss case finish with high efficiency injection foam insulation.

All of our headers are manufactured from high quality mild steel, under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

- High quality mild steel
- 5 Year manufacturing warranty
- White gloss powder coated finish
- Highly efficient injection foam insulation
- ISO9001 certified quality management

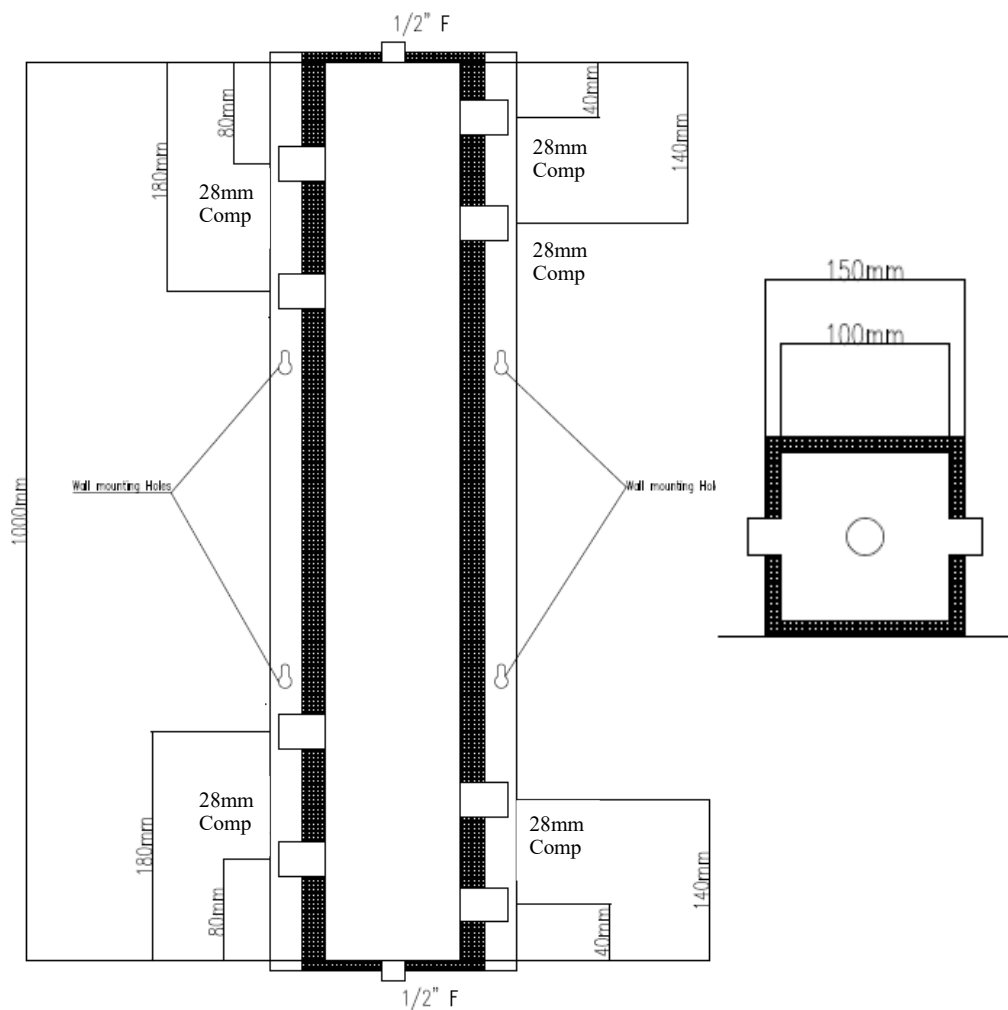
Dimensional Drawing

WH Cylinders

Low Loss Headers



WORLD HEAT
CYLINDERS



Capacity (L)	Max Duty (KW)		Overall Width (mm)	Overall Height (mm)	Number of connections
	11°C Delta T	5°C Delta T			
9 Litres	180KW	45KW	170mm	1050mm	8 x 1" Female & 2 x 1/2" Female

Nominal capacity (Litres)		9L
Approximate Weight (KG)	Empty	7
	Full	16
	Packaged	10
Header Material		Mild Steel
Insulation Type		Polyurethane (PU) Insulation
Insulation thickness (mm)		50
Standing heat loss @ 60°C (kWh/24hrs)		0.23
ODP of Insulation		0
GWP of Insulation		Less than 5

* Alternative sized Low Loss Headers available on request

** Optional connection kits available including 8 x compression connectors, automatic air vent and drain

WH Cylinders

Unit 4, Tudor Industrial Estate, Ashton Street, Dukinfield, Cheshire, SK16 4RN

Tel: 0161 343 8610

Fax: 0161 343 5585

Email: sales@whcylinders.co.uk

Web: www.whcylinders.co.uk



Product Information

World Heat Cylinders

E-Cyl-V1

Pre-Plumbed Heat Pump Cylinders for Mitsubishi Ecodan

Issue: Oct 22



Distributors



**High quality British
manufactured stainless steel
domestic hot water solutions
designed for any application.**

World Heat Cylinders manufacture a full range of unvented pre-plumbed heat pump cylinders specifically for connection to Mitsubishi Ecodan Air Source Heat Pump Systems.



World Heat Cylinders
Unit 4
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire

Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

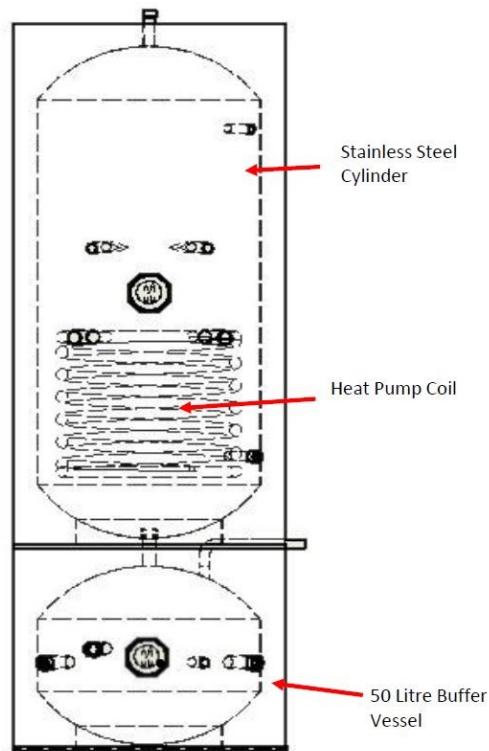
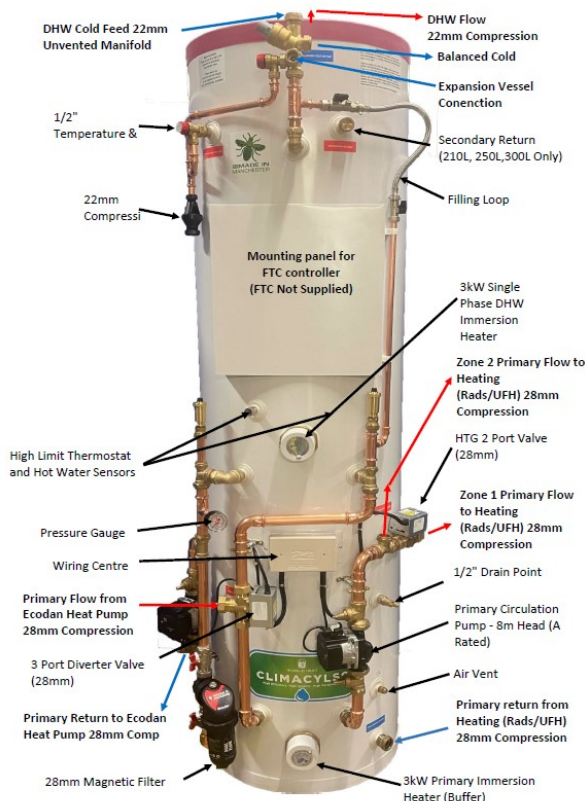
- Pre-plumbed for Mitsubishi Ecodan Heat Pumps*
- Integrated Stainless Steel Buffer for Hydraulic Separation
- Saves Installation Time
- Prevents Installation Faults
- 25 Year Manufacturing Warranty on Stainless Vessel
- 12 Month Manufacturing Warranty on Components
- Highly Insulated (ERP Rated)
- Full System Unvented Kits
- WRAS Approved Product
- ISO9001 Certified Quality Management
- Potable Expansion Vessel & 28mm Flow Setter Supplied Separately
- Primary Pipe Work and Components are all 28mm Compression

E-Cyl Pre-Plumbed Heat Pump Cylinders with an Integrated Buffer Vessel

Product Reference	Description	Coil Area
150ECYLPP	150 Litre E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	2m ²
180ECYLPP	180 Litre E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	2m ²
210ECYLPP	210 Litre E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	3m ²
250ECYLPP	250 Litre E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	3m ²
300ECYLPP	300 Litre E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	3m ²

Carriage charges apply*

* Ecodan Heat Pump not included



All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement

WH Model Reference		150ECYLPP	180ECYLPP	210ECYLPP	250ECYLPP	300ECYLPP
Nominal Capacity (Litres)		150	180	210	250	300
Overall Shipping Dimensions H x W x D (mm)		1725x600x900	2050x600x900	1920x600x900	2220x600x900	2125x1200x1200
Overall Cylinder Dimensions H x W x D (mm)		1505x550x600	1630x550x600	1820x550x600	2020x550x600	2020x600x650
Weights (kg)	Empty	65.5	69.5	75	81	88
	Full	215.5	249.5	285	331	388
	Packaged	77	81	86	92	99
Unvented Expansion Vessel	Nominal Volume	12L	19L	19L	19L	24L
	Charge Pressure	3.0 Bar				
Control & Relief Valve Pressure Settings	Mains Inlet Pressure Regulator	3.0 Bar				
	Expansion Relief Valve (Cold)	6.0 Bar				
	T&P Relief Valve	7.0 Bar & 90°C				
Control & Overheat Safety Thermostat Temperature Settings	DHW Control Stat ON/OFF	Ecodan FTC Controller (Not Supplied)				
	High Limit Stat	Mechanical 90°C				
	Voltage	230 - 240 V				
	Electronic Immersion Timer	Ecodan FTC Controller (Not Supplied)				
Cylinder Material		Duplex Stainless Steel (25 year manufacturing warranty)				
DHW Immersion Heater Duty		3kW (13 Amps 230v ac)				
Primary (Buffer) Immersion Heater Duty		3kW (13 Amps 230v ac)				
Heating Surface Area		2m ²	2m ²	3m ²	3m ²	3m ²
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent				
Insulation Thickness		50mm				
System Circulating Pump		Grundfos UPM3—8m Head—A Rated				
Central Heating Zone Valve		Honeywell 28mm, 2 port (1 No.)				
Domestic Hot Water Zone Valve		Honeywell 28mm, 3 port Diverter (1 No.)				
Central Heating Controller		Ecodan FTC Controller/3rd party controls (Not Supplied)				
Hot Water Controller		Ecodan FTC Controller (Not Supplied)				
Magnetic Filter		28mm Magnetic Filter				
Flow Setter Valve		28mm Inline Flow Setter (Supplied Separately)				
Primary Pressure Drop of Cylinder Pipe Work		16kPa @ 17 Litres per minute				
Re-Heat Time		35—45 Minutes				
Standing Heat Loss (W)		64.58	69.3	78.9	90.4	92.6
ERP Rating		B	B	B	B	B
GWP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5
ODP of Insulation		0	0	0	0	0

Solar Twin Coil units available on request
Bespoke cylinders available on request



Product Information

World Heat Cylinders

E-Cyl-V1

Pre-Plumbed Heat Pump Cylinders for Mitsubishi Ecodan

Issue: Oct 22



Distributors



**High quality British
manufactured stainless steel
domestic hot water solutions
designed for any application.**

World Heat Cylinders manufacture a full range of unvented pre-plumbed heat pump cylinders specifically for connection to Mitsubishi Ecodan Air Source Heat Pump Systems.



World Heat Cylinders
Unit 4
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire

Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

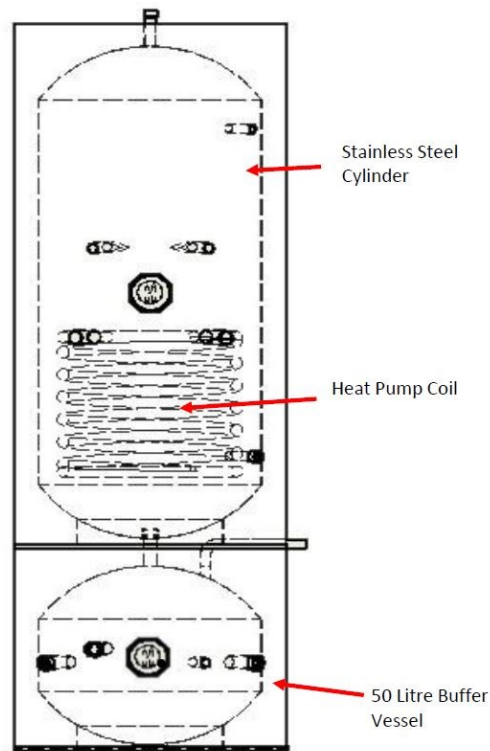
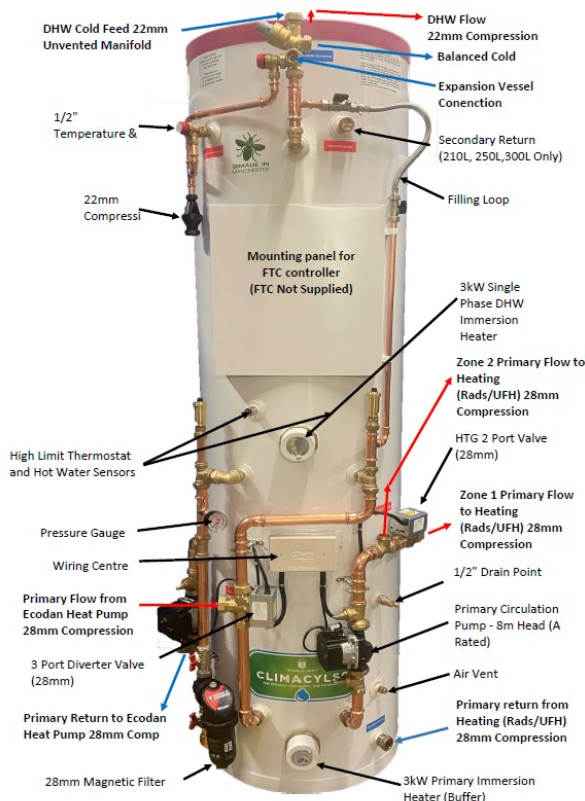
- Pre-plumbed for Mitsubishi Ecodan Heat Pumps*
- Integrated Stainless Steel Buffer for Hydraulic Separation
- Saves Installation Time
- Prevents Installation Faults
- 25 Year Manufacturing Warranty on Stainless Vessel
- 12 Month Manufacturing Warranty on Components
- Highly Insulated (ERP Rated)
- Full System Unvented Kits
- WRAS Approved Product
- ISO9001 Certified Quality Management
- Potable Expansion Vessel & 28mm Flow Setter Supplied Separately
- Primary Pipe Work and Components are all 28mm Compression

E-Cyl Pre-Plumbed Heat Pump Cylinders with an Integrated Buffer Vessel

Product Reference	Description	Coil Area
150ECYLPPS	150 Litre Slimline E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 25L Buffer	2m ²
180ECYLPPS	180 Litre Slimline E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 25L Buffer	2m ²

Carriage charges apply*

* Ecodan Heat Pump not included



All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement

WH Model Reference		150E-CYLPPSLIM	180E-CYLPPSLIM
Nominal Capacity (Litres)		150	180
Overall Shipping Dimensions H x W x D (mm)		2000x600x900	2100x600x900
Overall Cylinder Dimensions H x W x D (mm)		1900x475x525	2085x475x525
Weights (kg)	Empty	65.5	69.5
	Full	215.5	249.5
	Packaged	77	81
Unvented Expansion Vessel	Nominal Volume	12L	19L
	Charge Pressure	3.0 Bar	
Control & Relief Valve Pressure Settings	Mains Inlet Pressure Regulator	3.0 Bar	
	Expansion Relief Valve (Cold)	6.0 Bar	
	T&P Relief Valve	7.0 Bar & 90°C	
Control & Overheat Safety Thermostat Temperature Settings	DHW Control Stat ON/OFF	Ecodan FTC Controller (Not Supplied)	
	High Limit Stat	Mechanical 90°C	
	Voltage	230 - 240 V	
	Electronic Immersion Timer	Ecodan FTC Controller (Not Supplied)	
Cylinder Material		Duplex Stainless Steel (25 year manufacturing warranty)	
DHW Immersion Heater Duty		3kW (13 Amps 230v ac)	
Primary (Buffer) Immersion Heater Duty		3kW (13 Amps 230v ac)	
Heating Surface Area		2m ²	2m ²
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent	
Insulation Thickness		50mm	
System Circulating Pump		Grundfos UPM3—8m Head—A Rated	
Central Heating Zone Valve		Honeywell 28mm, 2 port (1 No.)	
Domestic Hot Water Zone Valve		Honeywell 28mm, 3 port Diverter (1 No.)	
Central Heating Controller		Ecodan FTC Controller/3rd party controls (Not Supplied)	
Hot Water Controller		Ecodan FTC Controller (Not Supplied)	
Magnetic Filter		28mm Magnetic Filter	
Flow Setter Valve		28mm Inline Flow Setter (Supplied Separately)	
Primary Pressure Drop of Cylinder Pipe Work		16kPa @ 17 Litres per minute	
Re-Heat Time		35—45 Minutes	
Standing Heat Loss (W)		64.58	69.3
ERP Rating		B	B
GWP of Insulation		Less than 5	Less than 5
ODP of Insulation		0	0

Solar Twin Coil units available on request
Bespoke cylinders available on request



Product Information

World Heat Cylinders

S-Cyl

Pre-Plumbed Heat Pump Cylinders

Issue: February 2024



High quality British
manufactured stainless steel
domestic hot water solutions
designed for any application.

World Heat Cylinders manufacture a full
range of unvented pre-plumbed heat pump
cylinders specifically for connection to Sam-
sung air Source Heat Pump Systems.



World Heat Cylinders
Unit 4
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN

Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

All of our cylinders are manufactured from high quality stainless
steel under an ISO9001 certified quality management system in
our purpose made manufacturing facility in Manchester.

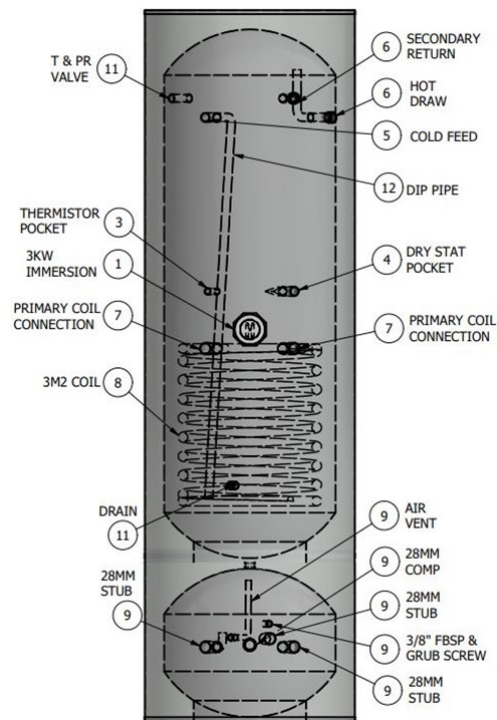
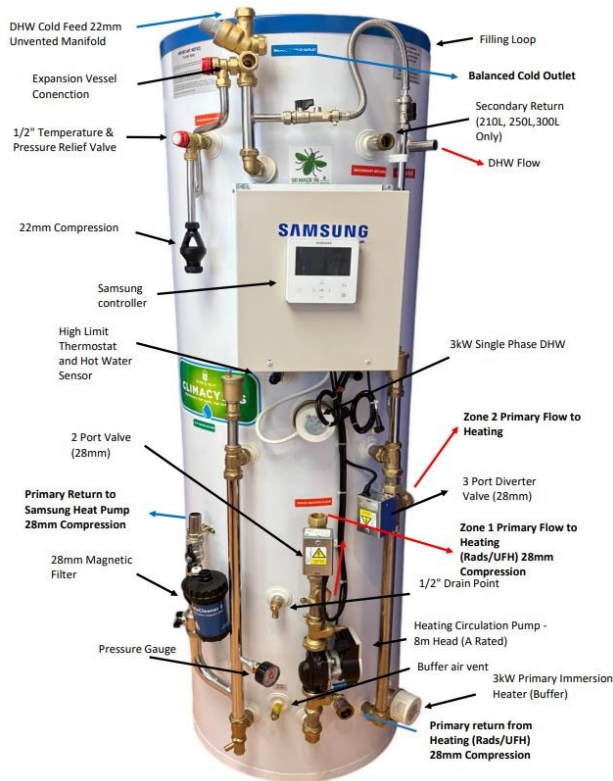
Key Features

- Pre-plumbed for Samsung Heat Pumps*
- Integrated 50L Stainless steel Buffer
- Saves Installation Time
- Prevents Installation Faults
- 25 Year Manufacturing Warranty on Stainless Vessel
- 12 Month Manufacturing Warranty on Components
- Highly Insulated (ERP Rated)
- Full System Unvented Kits
- WRAS Approved Product
- ISO9001 Certified Quality Management
- Potable Expansion Vessel & 28mm Flow Sensor Supplied Separately
- Primary Pipe Work and Components are all 28mm Compression

S-Cyl Pre-Plumbed Heat Pump Cylinders with an Integrated 50 Litre Buffer Vessel

Product Reference	Description	Coil Area
150SCYLPPSS	150 Litre S-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	2m ²
180SCYLPPSS	180 Litre S-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	2m ²
210SCYLPPSS	210 Litre S-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	3m ²
250SCYLPPSS	250 Litre S-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	3m ²
300SCYLPPSS	300 Litre S-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	3m ²

Carriage charges apply*



All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement

WH Model Reference		150SCYLPPSS	180SCYLPPSS	210SCYLPPSS	250SCYLPPSS	300SCYLPPSS
Nominal Capacity (Litres)		150	180	210	250	300
Overall Shipping Dimensions H x W x D (mm)		1725x600x900	2050x600x900	1920x600x900	2220x600x900	2125x1200x1200
Overall Cylinder Dimensions H x W x D (mm)		1505x550x600	1630x550x600	1820x550x600	2020x550x600	2020x600x650
Weights (kg)	Empty	65.5	69.5	75	81	88
	Full	215.5	249.5	285	331	388
	Packaged	77	81	86	92	99
Unvented Expansion Vessel	Nominal Volume	12L	19L	19L	19L	24L
	Charge Pressure	3.0 Bar				
Control & Relief Valve Pressure Settings	Mains Inlet Pressure Regulator	3.0 Bar				
	Expansion Relief Valve (Cold)	6.0 Bar				
	T&P Relief Valve	7.0 Bar & 90°C				
Control & Overheat Safety Thermostat Temperature Settings	DHW Control Stat ON/OFF	Samsung Controller				
	High Limit Stat	Mechanical 90°C				
	Voltage	230 - 240 V				
	Electronic Immersion Timer	Samsung Controller				
Cylinder Material		Duplex Stainless Steel (25 year manufacturing warranty)				
DHW Immersion Heater Duty		3kW (13 Amps 230v ac)				
Primary (Buffer) Immersion Heater Duty		3kW (13 Amps 230v ac)				
Heating Surface Area		2m ²	2m ²	3m ²	3m ²	3m ²
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent				
Insulation Thickness		50mm				
System Circulating Pump		Grundfos UPM3—8m Head—A Rated				
Central Heating Zone Valve		Honeywell 28mm, 2 port (1 No.)				
Domestic Hot Water Zone Valve		Honeywell 28mm, 3 port Diverter (1 No.)				
Central Heating Controller		3rd party controls				
Hot Water Controller		Samsung controller and dual thermostat				
Magnetic Filter		28mm Magnetic Filter				
Flow Setter Valve		28mm Inline Flow Sensor (Supplied Loose)				
Primary Pressure Drop of Cylinder Pipe Work		16kPa @ 17 Litres per minute				
Re-Heat Time		35—45 Minutes				
Standing Heat Loss (W)		64.58	69.3	78.9	90.4	92.6
ERP Rating		B	B	B	B	B
ODP of Insulation		0	0	0	0	0
GWP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5



High quality British
manufactured stainless steel
domestic hot water solutions
designed for any application.

World Heat Cylinders manufacture a full
range of unvented pre-plumbed heat pump
cylinders specifically for connection to Sam-
sung air Source Heat Pump Systems.



World Heat Cylinders
Unit 4
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN

Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

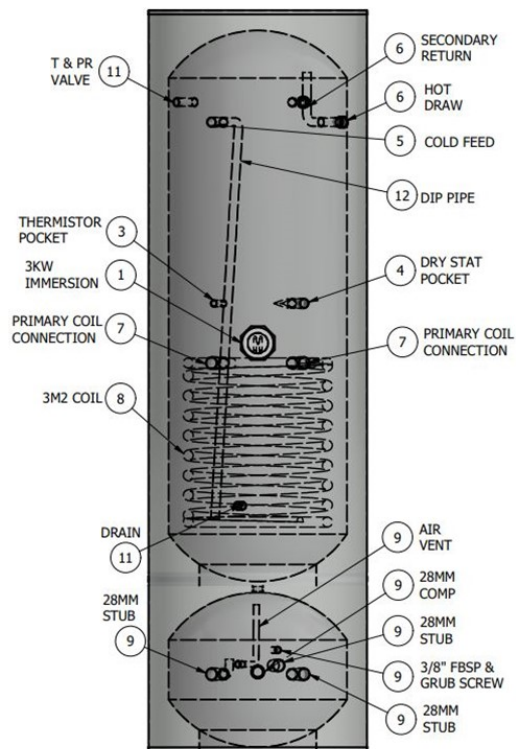
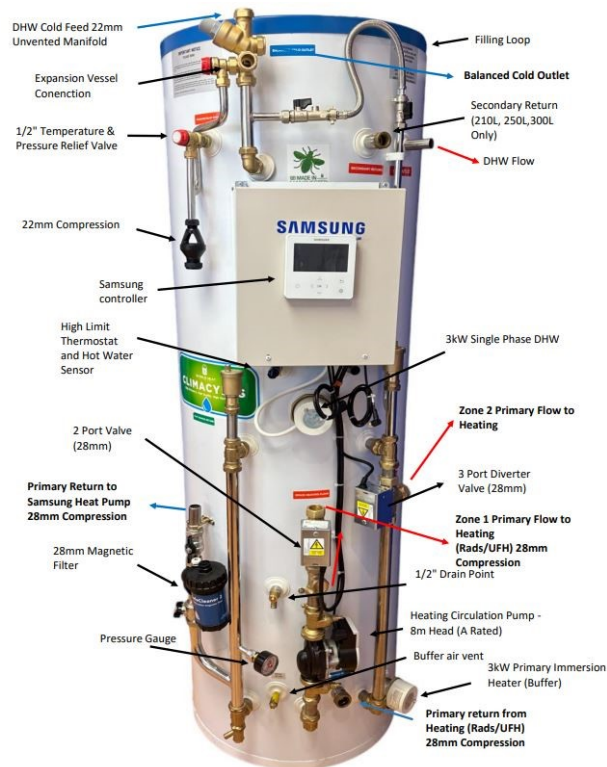
- Pre-plumbed for Samsung Heat Pumps*
- Integrated 25L Mild Steel Buffer
- Saves Installation Time
- Prevents Installation Faults
- 25 Year Manufacturing Warranty on Stainless Vessel
- 12 Month Manufacturing Warranty on Components
- Highly Insulated (ERP Rated)
- Full System Unvented Kits
- WRAS Approved Product
- ISO9001 Certified Quality Management
- Potable Expansion Vessel & 28mm Flow Sensor Supplied Separately
- Primary Pipe Work and Components are all 28mm Compression

S-Cyl Pre-Plumbed Heat Pump Cylinders with an Integrated 25 Litre Buffer Vessel

Product Reference	Description	Coil Area
150SCYLPPSLIMSS	150 Litre Slimline S-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 25L Buffer	2m ²
180SCYLPPSLIMSS	180 Litre Slimline S-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 25L Buffer	2m ²

Carriage charges apply*

* Samsung Heat Pump not included



All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement

WH Model Reference		150SCYLPPSLIMSS	180SCYLPPSLIMSS
Nominal Capacity (Litres)		150	180
Overall Shipping Dimensions H x W x D (mm)		2000x600x900	2100x600x900
Overall Cylinder Dimensions H x W x D (mm)		1900x475x600	2085x475x600
Weights (kg)	Empty	65.5	69.5
	Full	215.5	249.5
	Packaged	77	81
Unvented Expansion Vessel	Nominal Volume	12L	19L
	Charge Pressure	3.0 Bar	
Control & Relief Valve Pressure Settings	Mains Inlet Pressure Regulator	3.0 Bar	
	Expansion Relief Valve (Cold)	6.0 Bar	
	T&P Relief Valve	7.0 Bar & 90°C	
Control & Overheat Safety Thermostat Temperature Settings	DHW Control Stat ON/OFF	Samsung Controller	
	High Limit Stat	Mechanical 90°C	
	Voltage	230 - 240 V	
	Electronic Immersion Timer	Samsung Controller	
Cylinder Material		Duplex Stainless Steel (25 year manufacturing warranty)	
DHW Immersion Heater Duty		3kW (13 Amps 230v ac)	
Primary (Buffer) Immersion Heater Duty		3kW (13 Amps 230v ac)	
Heating Surface Area		2m ²	2m ²
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent	
Insulation Thickness		50mm	
System Circulating Pump		Grundfos UPM3—8m Head—A Rated	
Central Heating Zone Valve		Honeywell 28mm, 2 port (1 No.)	
Domestic Hot Water Zone Valve		Honeywell 28mm, 3 port Diverter (1 No.)	
Central Heating Controller		3rd party controls	
Hot Water Controller		Samsung controller and dual thermostat	
Magnetic Filter		28mm Magnetic Filter	
Flow Setter Valve		28mm Inline Flow Sensor (Supplied Loose)	
Primary Pressure Drop of Cylinder Pipe Work		16kPa @ 17 Litres per minute	
Re-Heat Time		35—45 Minutes	
Standing Heat Loss (W)		64.58	69.3
ERP Rating		B	B
ODP of Insulation		0	0
GWP of Insulation		Less than 5	Less than 5

Product Information

World Heat Cylinders

U-Cyl & Slimline

Universal Pre-Plumbed Heat Pump Cylinders (ex. Tank Kit)



[Price List](#)



**High quality British
manufactured stainless steel
domestic hot water solutions
designed for any application.**

World Heat Cylinders manufacture a full range of unvented pre-plumbed heat pump cylinders specifically for connection to all Air Source Heat Pump Systems.



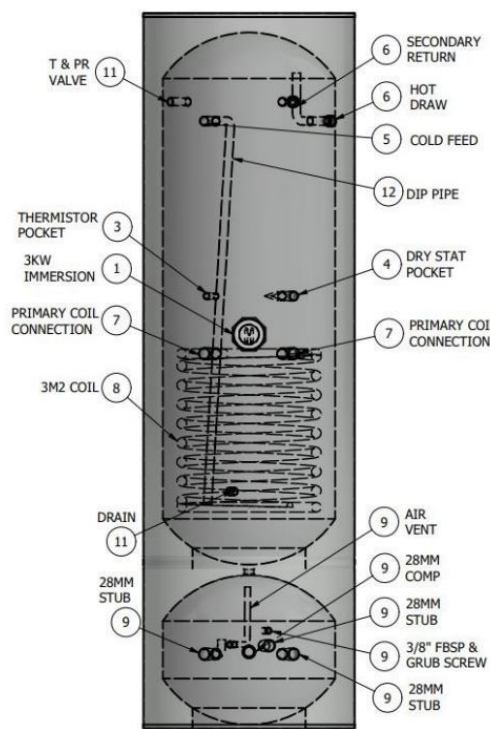
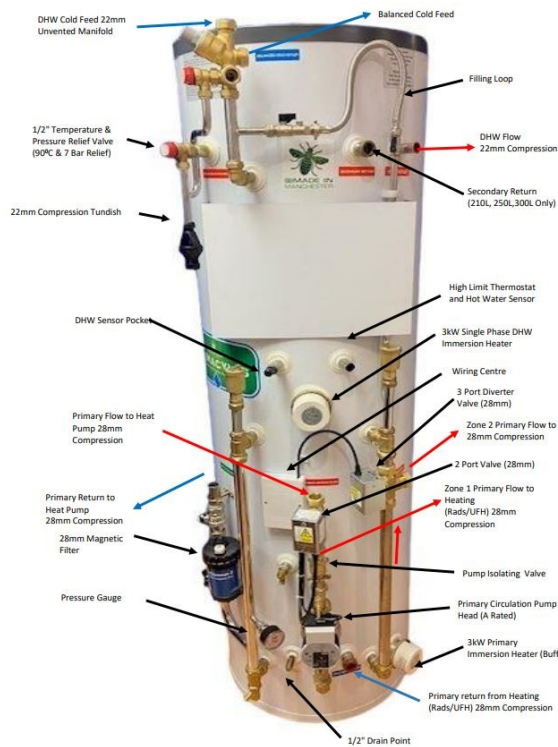
World Heat Cylinders
Unit 4
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire
SK16 4RN

Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key Features

- Universal Pre-Plumbed for Numerous Heat Pumps*
- Integrated 25L or 50L Stainless Steel Buffer
- Saves Installation Time
- Prevents Installation Faults
- 25 Year Manufacturing Warranty on Stainless Vessel
- 12 Month Manufacturing Warranty on Components
- Highly Insulated (ERP Rated)
- Full System Unvented Kits
- WRAS Approved Product
- ISO9001 Certified Quality Management
- Potable Expansion Vessel & 28mm Flow Setter Supplied Separately
- Primary Pipe Work and Components are all 28mm Compression



All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement

WH Model Reference		150U-CYLPP	180U-CYLPP	210U-CYLPP	250U-CYLPP	300U-CYLPP	150U-CYLPPSLIM	180U-CYLPPSLIM
Nominal Capacity (Litres)		150	180	210	250	300	150	180
Overall Shipping Dimensions H x W x D (mm)		1725x600x900	2050x600x900	1920x600x900	2220x600x900	2125x1200x1200	2000x600x900	2100x600x900
Overall Cylinder Dimensions H x W x D (mm)		1505x550x600	1630x550x600	1820x550x600	2020x550x600	2020x600x650	1900x475x525	2085x475x525
Weights (kg)	Empty	65.5	69.5	75	81	88	65.5	69.5
	Full	215.5	249.5	285	331	388	215.5	249.5
	Packaged	77	81	86	92	99	77	81
Unvented Expansion Vessel	Nominal Volume	12L	19L	19L	19L	24L	12L	19L
	Charge Pressure	3.0 Bar						
Control & Relief Valve Pressure Settings	Mains Inlet Pressure Regulator	3.0 Bar						
	Expansion Relief Valve (Cold)	6.0 Bar						
	T&P Relief Valve	7.0 Bar & 90°C						
Control & Overheat Safety Thermostat Temperature Settings	DHW Control Stat ON/OFF	Heat Pump Controls						
	High Limit Stat	Mechanical 90°C						
	Voltage	230 - 240 V						
	Electronic Immersion Timer	Heat Pump Controls/Third Party Timer						
Cylinder Material		Duplex Stainless Steel (25 year manufacturing warranty)						
DHW Immersion Heater Duty		3kW (13 Amps 230v ac)						
Primary (Buffer) Immersion Heater Duty		3kW (13 Amps 230v ac)						
Heating Surface Area		2m ²	2m ²	3m ²	3m ²	3m ²	2m ²	2m ²
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent						
Insulation Thickness		50mm						
System Circulating Pump		Grundfos UPM3—8m Head—A Rated						
Central Heating Zone Valve		Honeywell 28mm, 2 port (1 No.)						
Domestic Hot Water Zone Valve		Honeywell 28mm, 3 port Diverter (1 No.)						
Central Heating Controller		3rd party controls						
Hot Water Controller		Heat Pump Controls						
Magnetic Filter		28mm Magnetic Filter						
Flow Setter Valve		28mm Inline Flow Setter (Supplied Separately)						
Primary Pressure Drop of Cylinder Pipe Work		16kPa @ 17 Litres per minute						
Re-Heat Time		35—45 Minutes						
Standing Heat Loss (W)		64.58	69.3	78.9	90.4	92.6	64.58	69.3
ERP Rating		B	B	B	B	B	B	B
GWP of Insulation		0	0	0	0	0	0	0
ODP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5

Solar Twin Coil units available on request
Bespoke cylinders available on request



Product Information

World Heat Cylinders

V-Cyl & V-Cyl Slimline

Pre-Plumbed Heat Pump Cylinders



Distributors



**High quality British
manufactured stainless steel
domestic hot water solutions
designed for any application.**

World Heat Cylinders manufacture a full range of unvented pre-plumbed heat pump cylinders specifically for connection to LG Air Source Heat Pump Systems.



All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

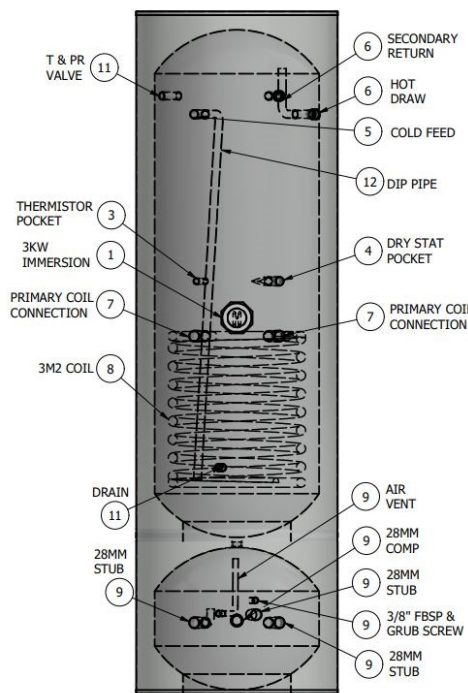
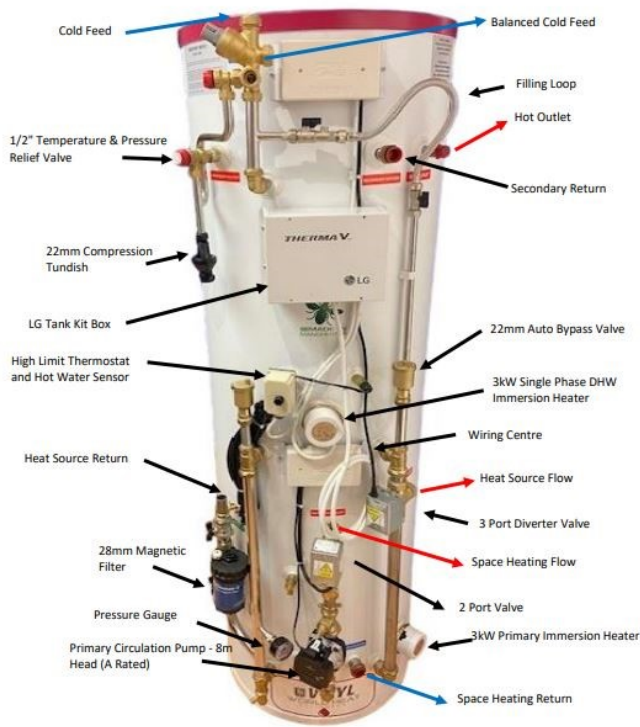
Key Features

- Pre-plumbed for LG Heat Pumps*
- Integrated 50/25L Stainless Steel Buffer
- Saves Installation Time
- Prevents Installation Faults
- 25 Year Manufacturing Warranty on Stainless Vessel
- 12 Month Manufacturing Warranty on Components
- Highly Insulated (ERP Rated)
- Full System Unvented Kits
- WRAS Approved Product
- ISO9001 Certified Quality Management
- Potable Expansion Vessel & 28mm Flow Setter Supplied Separately
- Primary Pipe Work and Components are all 28mm Compression

World Heat Cylinders
Unit 4
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire

Tel: 0161 343 8610
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

* LG Heat Pump not included



All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement

WH Model Reference		150VCYLPP	180VCYLPP	210VCYLPP	250VCYLPP	300VCYLPP	150VCYLPPSLIM	180VCYLPPSLIM
Nominal Capacity (Litres)		150	180	210	250	300	150	180
Overall Shipping Dimensions H x W x D (mm)		1725x600x900	2050x600x900	1920x600x900	2220x600x900	2125x1200x1200	2000x600x900	2100x600x900
Overall Cylinder Dimensions H x W x D (mm)		1505x550x600	1630x550x600	1820x550x600	2020x550x600	2020x600x650	1900x475x525	2085x475x525
Weights (kg)	Empty	65.5	69.5	75	81	88	65.5	69.5
	Full	215.5	249.5	285	331	388	215.5	249.5
	Packaged	77	81	86	92	99	77	81
Unvented Expansion Vessel	Nominal Volume	12L	19L	19L	19L	24L	12L	19L
	Charge Pressure	3.0 Bar						
Control & Relief Valve Pressure Settings	Mains Inlet Pressure Regulator	3.0 Bar						
	Expansion Relief Valve (Cold)	6.0 Bar						
	T&P Relief Valve	7.0 Bar & 90°C						
Control & Overheat Safety Thermostat Temperature Settings	DHW Control Stat ON/OFF	LG RS3 Controller						
	High Limit Stat	Mechanical 90°C						
	Voltage	230 - 240 V						
	Electronic Immersion Timer	LG RS3 Controller & LG Tank Kit						
Cylinder Material		Duplex Stainless Steel (25 year manufacturing warranty)						
DHW Immersion Heater Duty		3kW (13 Amps 230v ac)						
Primary (Buffer) Immersion Heater Duty		3kW (13 Amps 230v ac)						
Heating Surface Area		2m ²	2m ²	3m ²	3m ²	3m ²	2m ²	2m ²
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent						
Insulation Thickness		50mm						
System Circulating Pump		Grundfos UPM3—8m Head—A Rated						
Central Heating Zone Valve		Honeywell 28mm, 2 port (1 No.)						
Domestic Hot Water Zone Valve		Honeywell 28mm, 3 port Diverter (1 No.)						
Central Heating Controller		3rd party controls						
Hot Water Controller		LG RS3 Controller						
Magnetic Filter		28mm Magnetic Filter						
Flow Setter Valve		28mm Inline Flow Setter (Supplied Separately)						
Primary Pressure Drop of Cylinder Pipe Work		16kPa @ 17 Litres per minute						
Re-Heat Time		35—45 Minutes						
Standing Heat Loss (W)		64.58	69.3	78.9	90.4	92.6	64.58	69.3
ERP Rating		B	B	B	B	B	B	B
GWP of Insulation		0	0	0	0	0	0	0
ODP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5

Solar Twin Coil units available on request
Bespoke cylinders available on request



