triumph
WATER HEATING

WATER HEATING PRODUCT CATALOGUE

2022

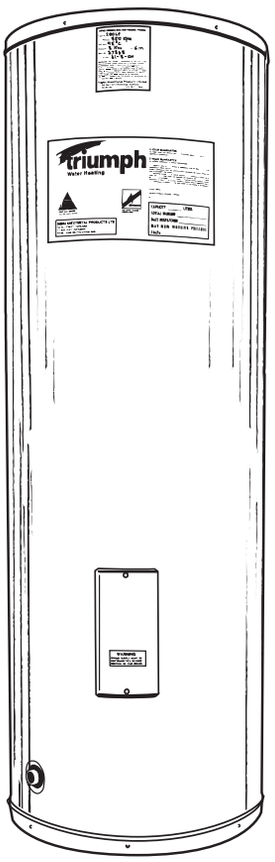
Eden

SOLARMAX

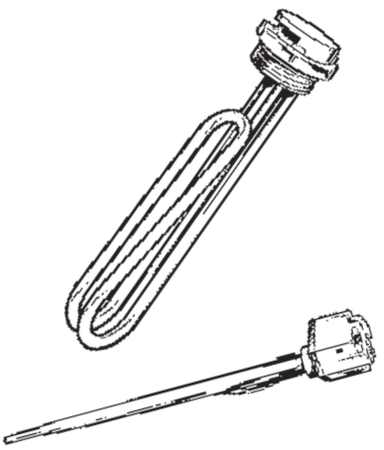
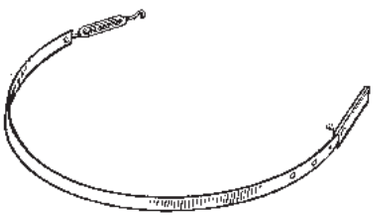
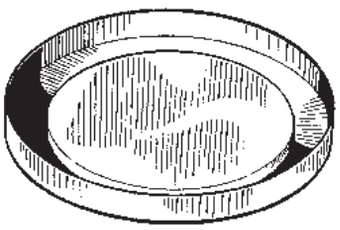
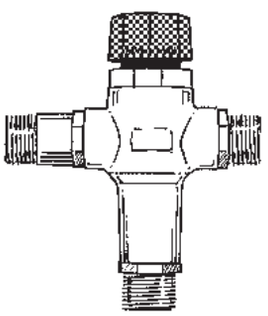
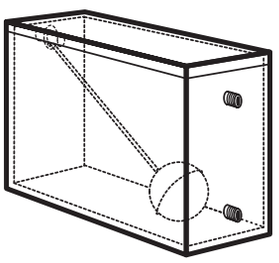
SIGMA
SHEETMETAL
PRODUCTS

PROUDLY 100%
NZ OWNED & OPERATED

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EXTRAS

	DESCRIPTION	PART No.
	**Elements:** 1 Year Manufacturers Warranty	
	1000W	26109
	1500W	26110
	2000W	26120
	2500W Mains Pressure Element	26132
	3000W	26150
	4000W	26145
	5000W	26165
	6000W	26170
	2kw Titanium Element	26176
	3kw Titanium Element	26178
	6kw Titanium Element	26180
	**Thermostats:** 1 Year Manufacturers Warranty	
	Probe Type 172mm	26222
	Low Pressure Contact	26225
	Mains Pressure Contact - Solar	26226
	Mains Pressure Standard	26228
	Dairy Thermostat Probe	26240
	**Hot Water Cylinder Seismic Restraints**	
	*Suitable for all cylinders up to 610mm diameter	26280
	Hot Water Cylinder Drip Trays	
	580 Diameter	26290
	500 x 500	26294
	550 x 550	26296
	590 x 590	26297
	650 x 650	26298
	750 x 750	26299
	*Custom trays available upon request	
	Relief Valve HT55 500kpa	26330
	Relief Valve HT575 850kpa	26332
	RMC Low Pressure Combo Set Open Exhaust	26334
	RMC Low Pressure Combo Set Valve Vented	26336
	RMC Mains Pressure Combo Set COM75H	26338
	20L Copper Header Tanks With Ballcock and Hi Temp Copper Float	26300
	Copper Float 90mm (oversink)	20091
	Copper Float 100mm	26304
	Copper Float 150mm	

HOT WATER CYLINDERS

Low Pressure 76 kpa Copper

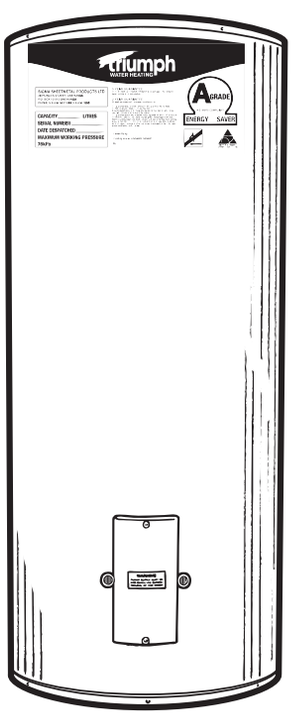
A GRADE
5 YEAR WARRANTY



Under Sink Cylinders

CAPACITY LITRES	DIA. MM	HEIGHT MM	TYPE	ELEMENT Kw	PART No.
14	312	470		1.5	20100P
22	380	435		1.5	20200P
44	460	495		1.5	20300P

A GRADE
5 YEAR WARRANTY



CAPACITY LITRES	DIA. MM	HEIGHT MM	TYPE	ELEMENT Kw	PART No.
45	460	560	TRIPLE ENTRY	1.5	20400P
90	510	850	TRIPLE ENTRY	2	20605P
135	540	985	BOTTOM ENTRY	2	22002P
135	475	1425	TRIPLE ENTRY	2	21005P
135	510	1170	TRIPLE ENTRY	2	21505P
135	540	985	TRIPLE ENTRY	2	22255P
135	610	840	TRIPLE ENTRY	2	22505P
135	475	1425	WETBACK	2	21100P
135	510	1170	WETBACK	2	21600P
135	540	985	WETBACK	2	22105P
135	610	840	WETBACK	2	22600P
180	560	1220	BOTTOM ENTRY	3	24005P
180	475	1840	TRIPLE ENTRY	3	22905P
180	510	1525	TRIPLE ENTRY	3	23505P
180	560	1220	TRIPLE ENTRY	3	24255P
180	610	1067	TRIPLE ENTRY	3	24505P
180	475	1840	WETBACK	3	23000P
180	510	1525	WETBACK	3	23605P
180	560	1220	WETBACK	3	24105P
180	610	1067	WETBACK	3	24600P
225	560	1500	TRIPLE ENTRY	3	24905P
225	560	1500	WETBACK	3	25000P
270	580	1800	TRIPLE ENTRY	3	25405P
270	580	1800	WETBACK	3	25505P
350	580	2250	TRIPLE ENTRY	3	25650P
400	610	2170	TRIPLE ENTRY	3	25670P

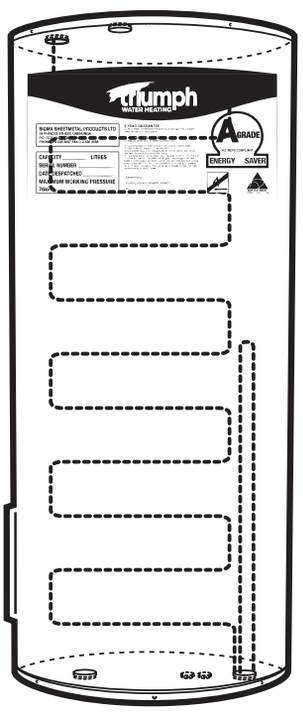
Specials can be made to order eg, Horizontals, Coil Heat Exchange, Solar Fittings
** Specials are non returnable*

HOT WATER CYLINDERS

CAPACITY LITRES	DIAMETER & HEIGHT MM	PART No.
Medium Pressure 120 kpa (Triple Entry)		
135L	540 x 985	22260P
180L	560 x 1220	24400P
225L	560 x 1500	25010P
270L	580 x 1800	25510P

The 'HUNSON' Type Mains Pressure Coil Cylinders

180L	560 x 1220	26950
225L	560 x 1470	26960
270L	580 x 1780	26970
270L	610 x 1500	
300L	610 x 1620	
350L	610 x 1890	
350L	715 x 1340	
400L	610 x 2135	
400L	715 x 1520	
450L	610 x 2380	
450L	715 x 1690	
500L	715 x 1860	
800L	840 x 2000	
1000L	840 x 2500	



The HUNSON

EXTRAS

INDIRECT SOLAR COIL per kw
10 x 300mm Thermopockets
External Colour Steel Case

OTHER HEAT EXCHANGE COILS
For Radiator or Underfloor per kw
Extra for Heavy Duty (120kpa) per litre
1/2" BSP Copper 12mm Screw in pocket
3/4" BSP Copper 12mm Screw in pocket

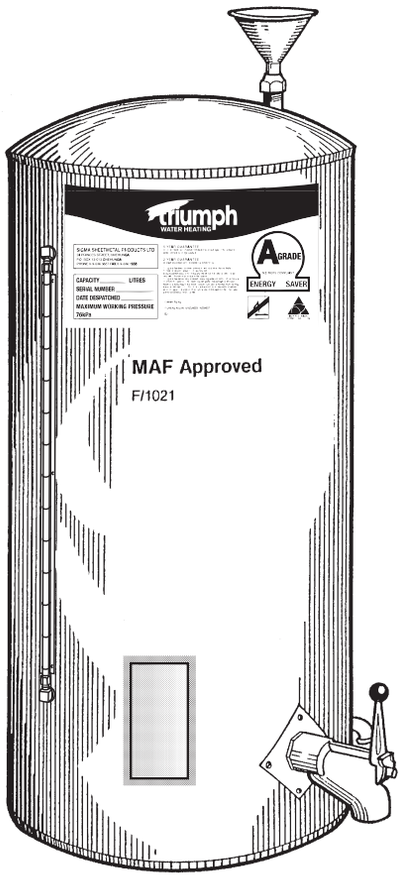
DAIRY CYLINDER

MAF Quality Management Dairy & Food

Approved for use in Farm Dairies.
Registration Number F/1021

LITRES	DRAW OFF CAPACITY LITRES	DIA. MM	HEIGHT MM	PART No.
200	200	610	1380	26500
300	300	720	1430	26600
400	400	720	1780	26612
500	500	720	2080	26615

Other sizes available upon request
Including 600, 700, 800 litre and more.

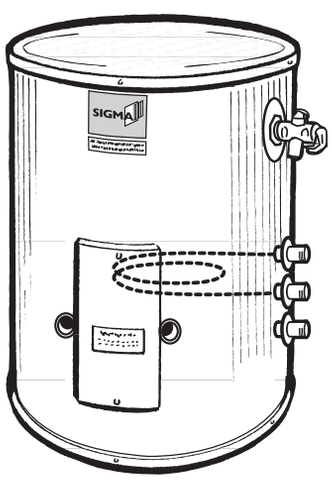


(Dairy tap not included)

SPARE PARTS

Filter Funnel	26620
Copper Overflow Spout	26640

- 5 Year Warranty on Cylinders
- 50% CFC Reduced Polyurethane Foam Insulation
- 200 & 300 litre supplied with 3000w element
- 400 litre supplied with 4000w element
- 500 litre supplied with 5000w element
- Fitted with Dairy Thermostat (Manufacturers Warranty applies)
- Filter Funnel with Stainless Steel Gauze Filter
- Sight Glass to read water volume
- 25mm Overflow Pipe & Detachable Spout
- 40mm Female Outlet Connection for Large Volume Flow
- Direct Solar Connection
- Custom made available upon request



Motorhome & Marine

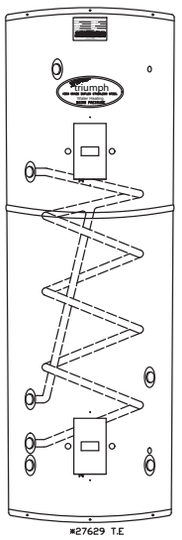
CAPACITY	DIMENSIONS	PART No.
20L	Motor Home 370 x 350	27690
20L	Marine 370 x 350	27705
30L	Marine 370 x 500	27715
50L	Marine 460 x 485	27725
70L	Marine Vert 460 x 640	27735
70L	Marine Horo 460 x 640	27745

Woodys Type Marine

38L	Marine 365 x 600	27770
50L	Marine 400 x 605	27775
100L	Marine 510 x 740	27780

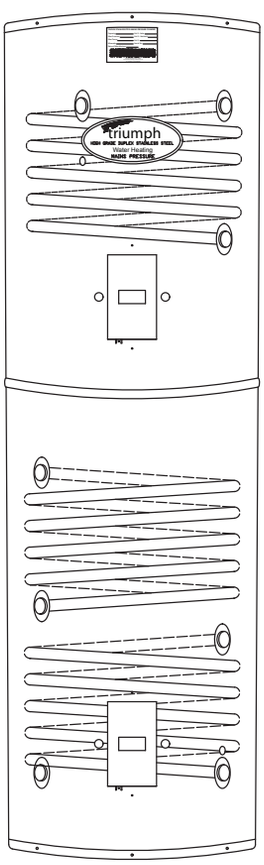
DUPLEX STAINLESS STEEL - TRIUMPH

Mains Pressure Hot Water Cylinders - Ex Stock



CAPACITY LITRES	DIMENSIONS MM	DESCRIPTION	PART No.
150L	460 x 1720	No coils - 1 x Element	27618
150L	460 x 1720	No coils - 2 x Elements	27618TE
200L	510 x 1640	Solar coil - 1 x Element	27624
200L	510 x 1640	Solar coil/ Wetback coil - 1 x Element	27625
200L	510 x 1640	Solar direct/ Wetback coil - 1 x Element	27626
250L	580 x 1550	Solar direct/ Wetback coil - 1 x Element	27626S
280L	580 x 1720	Solar coil - 2 x Elements	27627TE
280L	580 x 1720	Solar coil/ Wetback coil - 2 x Elements	27628TE
280L	580 x 1720	Solar direct/ Wetback coil - 2 x Elements	27629TE
315L	610 x 1725	Solar coil - 2 x Elements	27630TE
315L	610 x 1725	Solar coil/ Wetback Coil - 2 x Elements	27631TE
315L	610 x 1725	Solar direct/ Wetback coil - 2 x Elements	27632TE
400L	630 x 2160	Solar coil - 2 x Elements	27633TE
400L	630 x 2160	Solar coil/ Wetback Coil - 2 x Elements	27634TE
400L	630 x 2160	Solar direct/ Wetback coil - 2 x Elements	27635TE

Duplex Stainless Steel - Made to order sizes available

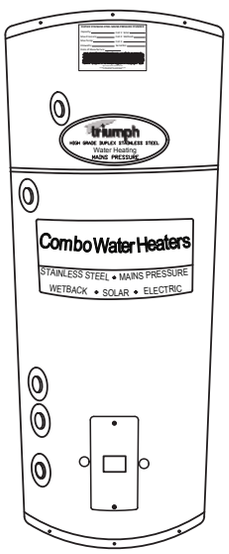


* SPECIAL MANUFACTURE
MULTIPLE COILS AVAILABLE

CAPACITY LITRES	DIMENSIONS MM	DESCRIPTION	PART No.
25L	400 x 490	Standard with 1 x 2kw element	n/a
45L	400 x 770	Standard with 1 x 2kw element	n/a
90L	510 x 780	Standard with 1 x 2kw element	n/a
135L	430 x 2050	Standard with 1 x 2kw element	n/a
135L	560 x 910	Standard with 1 x 2kw element	n/a
135L	610 x 840	Standard with 1 x 2kw element	n/a
140L	510 x 1155	Standard with 1 x 2kw element	27560
180L	580 x 1160	Standard with 1 x 3kw element	27563
180L	510 x 1460	Standard with 1 x 3kw element	27564
200L	510 x 1640	Standard with 1 x 3kw element	27566
225L	580 x 1410	Standard with 1 x 3kw element	27569
250L	580 x 1550	Standard with 1 x 3kw element	27572
280L	580 x 1720	Standard with 1 x 3kw element	27575
280L	610 x 1550	Standard with 1 x 3kw element	27576
300L	610 x 1650	Standard with 1 x 3kw element	n/a
300L	720 x 1150	Standard with 1 x 3kw element	n/a
330L	610 x 1800	Standard with 1 x 3kw element	27578
425L	630 x 2260	Standard with 1 x 3kw element	27584
425L	840 x 1250	Standard with 1 x 3kw element	n/a
500L	630 x 2625	Standard with 1 x 3kw element	27586
500L	720 x 1860	Standard with 1 x 3kw element	27588
600L	720 x 2180	Standard with 1 x element	n/a
750L	840 x 2070	Standard with 1 x element	27589
750L	1070 x 1270	Standard with 1 x element	n/a
800L	1070 x 1345	Standard with 1 x element	n/a
1000L	1070 x 1640	Standard with 1 x element	27596
1500L	1070 x 2375	Standard with 1 x element	n/a
2000L	1100 x 3110	Standard with 1 x element	n/a

Custom Tanks Include: Direct Solar, 2 x Probe Pockets, 1 x Element, 1 x 850kPa TPR Valve

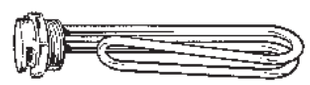
DUPLEX STAINLESS STEEL 'COMBO' CYLINDERS (ex: solarmaster layout)

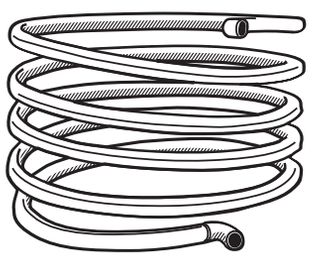


CAPACITY LITRES	DIMENSIONS MM	DESCRIPTION	PART No.
180L	575 x 1160	6m Wetback coil/ 3kw Element	27668
220L	575 x 1380	6m Wetback coil/ 3kw Element	27672
280L	575 x 1720	6m Wetback coil/ 3kw Element	27676
300L	575 x 1830	6m Wetback coil/ 3kw Element	27680
360L	630 x 1940	6m Wetback coil/ 3kw Element	27684

CYLINDER INCLUDES: 6m Wetback Coil
1 x Solar Connection
3kw Prewired Element
20mm Inlet & Outlet
1 x 850kpa TPR Valve

EXTRAS

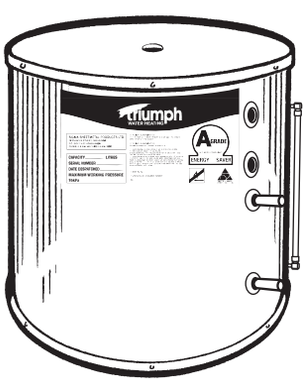




DESCRIPTION	PART No.
Extra 3KW Element & Thermostat	
Extra Flow, Return and Pocket	
3.5kw Solar Heat Exchange Coil	
6kw Solar Heat Exchange Coil	
6m Wetback Heat Exchange Coil	
10 x 300 mm Thermopocket	
3/4" BSP S/S 12mm Screw in Pocket	
1/2" BSP S/S 12mm Screw in Pocket	
25mm Anode	26102
32mm Anode	26103

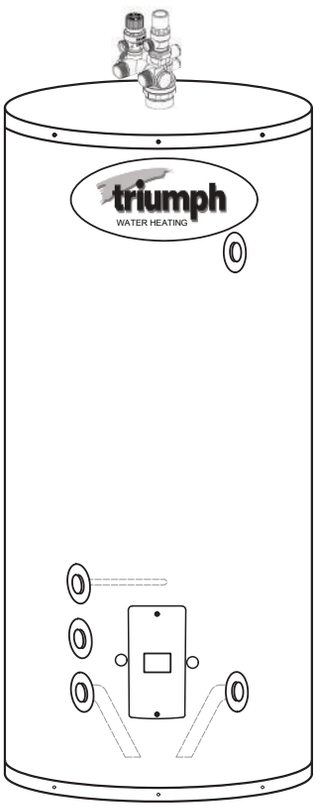
** Larger Coils can be priced upon request including larger sockets up to 50mm*
** Table flanges can be included for larger connections*
** Larger Elements available upon request 4kw, 5kw & 6kw*

DRAINBACK TANK FOR SOLAR - COPPER



CAPACITY LITRES	DIMENSIONS MM	DESCRIPTION	PART No.
45L	460 x 560	Direct - No Coil	
65L	510 x 620	Direct - No Coil	
90L	510 x 850	Direct - No Coil	
180L	560 x 1220	Direct - No Coil	
45L	460 x 560	Solar Coil	
65L	510 x 620	Solar Coil	
90L	510 x 850	Solar Coil	
180L	560 x 1220	Solar Coil	

QUICK-FIT CYLINDERS



CAPACITY LITRES	DIMENSIONS MM	DESCRIPTION	PART No.
40L	470 x 490	Duplex Stainless Steel	25705
90L	470 x 975	Duplex Stainless Steel	25708
135L	470 x 1385	Duplex Stainless Steel	25712
180L	470 x 1785	Duplex Stainless Steel	25716
180L	560 x 1215	Duplex Stainless Steel	25718
250L	575 x 1625	Duplex Stainless Steel	25725
300L	625 x 1720	Duplex Stainless Steel	25730
135L	542 x 1160	Vitreous Enamel	25750
180L	542 x 1460	Vitreous Enamel	25760
250L	652 x 1380	Vitreous Enamel	25770

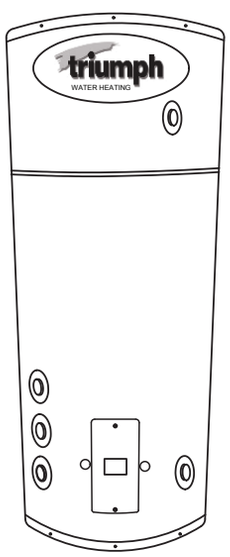
CYLINDER INCLUDES: Quick-Fit Valve
1 x Prewired Element
1 x Drain Tap
**Installation kit can be purchased separately*

Our Quick-Fit Cylinder is a new innovative system that incorporates a valve bank mounted on the top of the tank. This slick new design will save you time in installation, parts and material which saves you money with every install.

The Quick-Fit Cylinder is made from high-quality Duplex Stainless Steel or Vitreous Enamel and is Super-Insulated using high-density polyurethane.

The Quick-Fit Valve System contains a TPR, Tempering valve, Cold-water Expansion, a stainless steel dropper tube with an anode attached to it which are all mounted into a high-quality brass housing. The Quick-Fit System is installed on the top of the cylinder using an O-ring style fitting which gives you the option of rotating the valve to suit any install parameters.

MAINS PRESSURE VITREOUS ENAMEL CYLINDERS

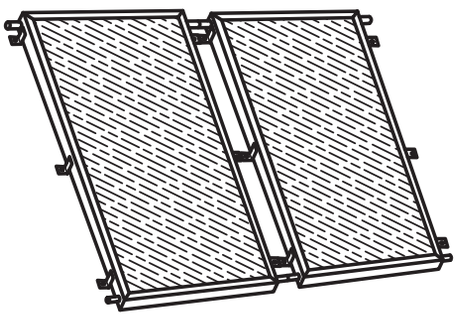


CAPACITY LITRES	DIMENSIONS MM	DESCRIPTION	PART No.
135L	542 x 1160	Vitreous Enamel	25752
180L	542 x 1460	Vitreous Enamel	25762
250L	652 x 1380	Vitreous Enamel	25772

CYLINDER INCLUDES: 1 x Prewired Element
1 x Drain Tap
20mm Inlet & Outlet
1 x 850kpa TPR Valve

TRIUMPH SOLAR SYSTEMS

Solarmax Panels



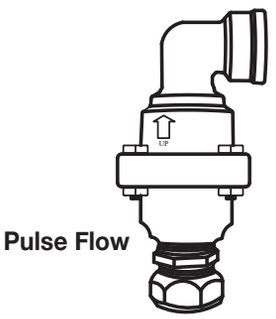
QUANTITY	DIMENSIONS MM	DESCRIPTION	PART No.
1 only	2400 x 1200	To suit 180 litre Cylinder	26420
1 only	3000 x 1200	To suit 220 litre Cylinder	26423

HEFP Solar Panels

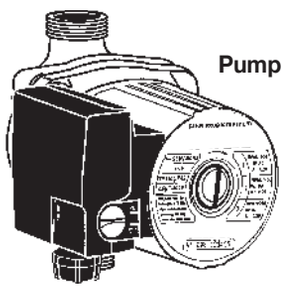
QUANTITY	DIMENSIONS MM	DESCRIPTION
1 only	2440 x 1160	To suit 180 litre Cylinder
2 x panels	2440 x 1160	To suit 280 litre Cylinder

** Solar Panel Installation Kits are available upon request*

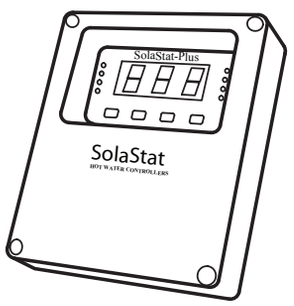
SOLAR ACCESSORIES



Pulse Flow

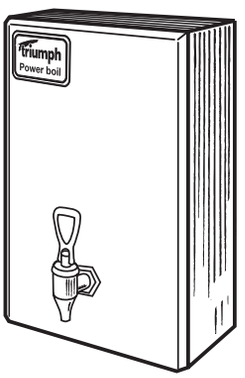


Pump



DESCRIPTION	PART No.
1/2” BSP S/S 12mm screw in pocket	
3/4” BSP S/S 12mm screw in pocket	
Pulseflow Valve 20mm or Brass	26380
3 Speed Circulating Pump	26383
Solar frost protection valve	26385
Air Admittance Valve 3/8” HT Solar	26387
Solarstat SP2 Controller	26390
Solarstat Dual Relay	26392
Solar Sensor Probe - Roof 20m	26394
Solar Sensor Probe - Tank 3m	26395
Glycol 4 litre	26400
Glycol 20 litre	26402
Solar HT Non Return Valve	26388
Standard 15mm Insulation - 2m	
Solar U.V Insulation - per metre	
9.5mm Copper Tube - 15m coil	
10mm Brass Male Elbow Connector	
10mm Brass Male Connector	
15mm Ball Valve	26389
Solar Dektite	26399

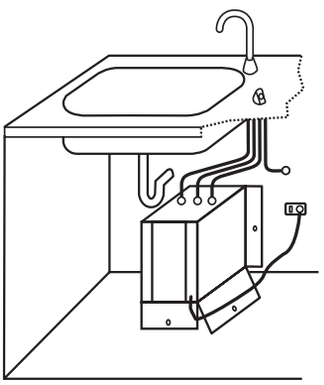
TRIUMPH - BOILERS



OVERSINK BOILERS

CAPACITY LITRES	DIMENSIONS H x W x D	No. OF CUPS	CUPS / HOUR RECOVERY	STAFF Nos.	PART No.
2.5L	360 x 345 x 165	12	120	12	20012
2.5L s/s	360 x 345 x 165	12	120	12	20012S
5	440 x 345 x 165	25	120	25	20017
5 s/s	440 x 345 x 165	25	120	25	20017S
7.5	465 x 375 x 175	38	120	37	20022
7.5 s/s	465 x 375 x 175	38	120	37	
10	530 x 375 x 175	50	120	50	20027
10 s/s	530 x 375 x 175	50	120	50	
15	530 x 375 x 175	75	120	75	20031
25	700 x 375 x 250	125	120	125	20034

- All come complete with 2.4kw element and thermostat
- Power supply requirements - 3-pin power socket
- Powder coated arctic white - unless stated s/s (stainless steel)



UNDERSINK BOILERS

CAPACITY LITRES	DIMENSIONS H x W x D	No. OF CUPS	CUPS / HOUR RECOVERY	K / W	PART No.
1.25L	455 x 150 x 150	10 - 13	90	1.8	20039
2.5	325 x 245 x 290	15 - 20	110	2.4	20041
5	480 x 245 x 290	30 - 40	110	2.4	20043

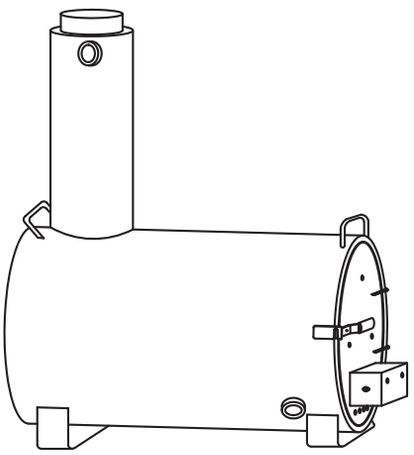
* With 1 x 2.4kw element
- We recommend a twin filter system to be fitted to all units
- Tap Sold Seperately (PART 20097)

EXTRAS

Oversink boiler spare tap	20058
Oversink boiler spare washer	20059
2.4kw element	20060
3/8" Philmac Ballcock	20088
90mm copper float (oversink)	20091
15mm plastic neo washer	20092
Single Lever Tap	20097
Twin Lever Tap	20096

TRIUMPH
Bulldog Boilers

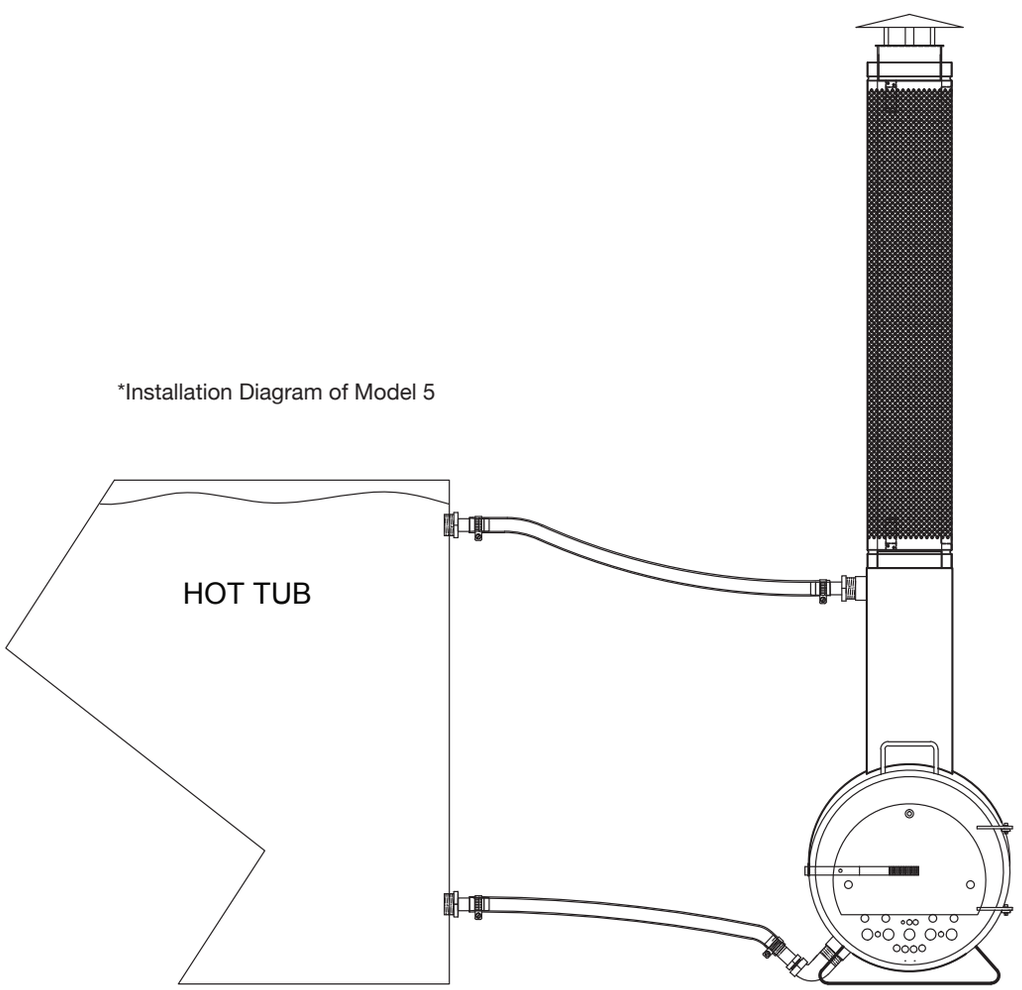
DESCRIPTION	PART No.
Bulldog Boiler	
• Model 3 - Wood fired boiler only approx 25kw	29110
• Model 3 - Wood & gas boiler approx 25kw	29120
• Model 5 - Wood fired boiler only approx 50kw	29130
• Model 5 - Wood & gas boiler approx 50kw	29140
• Bulldog Boiler Installation Kit	29180
• Bulldog Boiler M3 Flue Kit	29186
• Bulldog Boiler M5 Flue Kit	29188



*Model 5

* 2” BSP Flow & Return

*Installation Diagram of Model 5



WARRANTY PERIODS

PRODUCT	WARRANTY PERIOD FROM DATE OF PURCHASE
Low Pressure, Medium Pressure Cylinders Standard Mains Pressure (Glass Lined) Duplex Stainless Steel Mains Pressure Quick-Fit Mains Pressure Cylinder Hunson Type Mains Pressure Coil Cylinders Marine & Motorhome Cylinders Dairy Cylinders Automatic Oversink Boilers	5 YEARS
Undersink Boilers & Chillers Elements, Valves & Thermostats	1 YEAR
Quick-Fit Valve	2 YEAR
Solar Panels	5 YEARS

* Warranty Periods are applicable from the Date of Purchase.

Products are covered for the stated period against failure due to defective material or manufacture.

This guarantee does not cover removal or re-installation of the Hot Water Cylinder, or any consequential losses incurred including any freight costs. Should a defect occur within the guaranteed period, the specific item is to be returned with proof of purchase to the supplier.

In some circumstances we may cover the labour cost of a product that has failed under warranty within the first 12 months from the date of purchase. Where a cylinder is installed outside of the metropolitan area or further than 25km from an authorised agent, travel costs shall be the owners responsibility.

This guarantee applies only to the defects occurring under conditions of normal use for which this specific water heater was designed and damage to the water heater caused by negative or excessive pressures above the maximum working pressure, incorrect installation, failure due to corrosion caused by chemical action/ aggressive water or other substances introduced into the water supply are not covered by the Guarantee.

In the event of a problem, contact the installer or contractor who carries out servicing in order to determine the fault. If a manufacturing fault is suspected, contact Sigma immediately for advice. Sigma will not accept charges relating to a suspected fault without prior consent. We would require inspection by a Sigma employee or an appointed service agent in order to determine the cause of the fault.

Cylinders are covered under warranty for the stated period. Where a failed component or Cylinder is repaired or replaced under warranty, the balance of the original period will remain effective - The replaced part or cylinder does not carry a new warranty.

Repair or replacement of any defective cylinder or boiler is at our discretion.

Sigma Sheetmetal Products Ltd will not cover extra costs such as use of cranes or roof removal where the cylinder has been installed in a non-accessible area.

Continuous Water Quality and Impurity Limits

TDS (Total Dissolved Solids)	**Total Hardness $CaCO_3$**	**Dissolved (free) CO_3**	**Ph**	**Langelier Index**
Up to 600 mg/L or ppm	Up to 200 mg/L or ppm	Up to 25 mg/L or ppm	6.5 - 8.5	Between - 1.0 - 0.8

Sigma Sheetmetal Products Limited

24 Princes St, Onehunga
P.O.Box 13013, Onehunga, Auckland, New Zealand
Telephone: (09) 636 3657 Fax: (09) 636 3658
Email: sales@sigmasheet.co.nz Web: www.sigmasheet.co.nz

SPECIAL CYLINDER DESIGN FORM - VERTICAL

Date: Order # Cylinder Required by:

Customer Details:

Cylinder Specifications: Low Pressure - Medium Pressure - Mains Pressure (circle one)

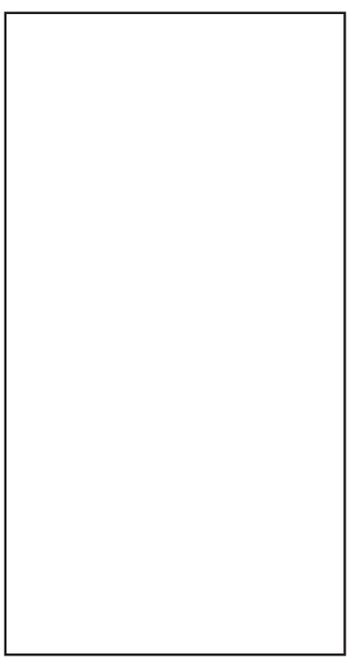
Capacity: Height: Diameter:

Wetback - Yes / No (circle one) Direct / Indirect

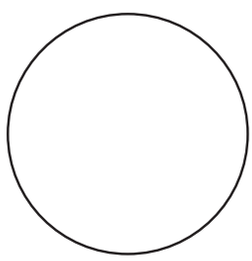
Solar - Yes / No (circle one) Direct / Indirect

Radiator / Underfloor (circle one) Direct / Indirect

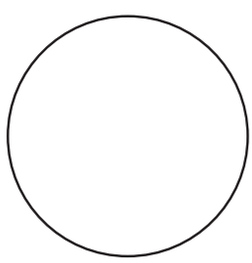
Element Quantity & Rating kw



TOP



BOTTOM



Please ensure all specifications are correct as cylinders will be manufactured to your instructions & Drawings
All 'Special' Cylinders are non-returnable

Suppliers of:
SIGMA Building Products, TRIUMPH Hot Water Cylinders, EDEN Tool Chests, SIGMA Flue Systems, SIGMA Stove Accessories, SIGMA Tool Storage Systems.

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SPECIAL CYLINDER DESIGN FORM - HORIZONTAL

Date: Order # Cylinder Required by:

Customer Details:

Cylinder Specifications: Low Pressure - Medium Pressure - Mains Pressure

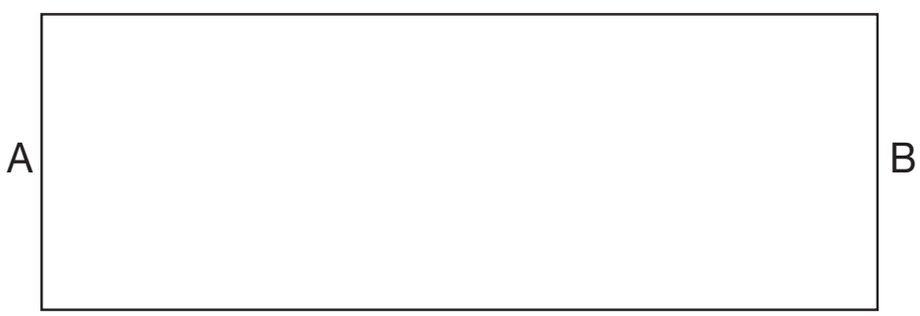
Capacity: Length: Diameter:

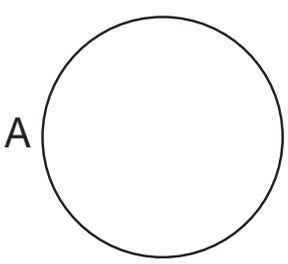
Wetback - Yes / No (circle one) Direct / Indirect

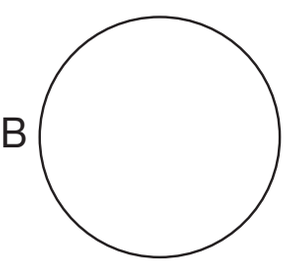
Solar - Yes / No (circle one) Direct / Indirect

Radiator / Underfloor (circle one) Direct / Indirect

Element Quantity & Rating kw

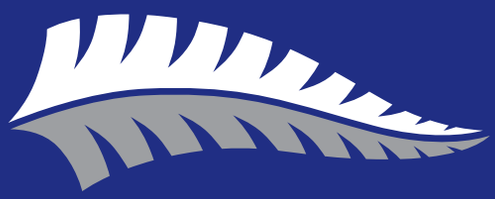






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PROUDLY 100%
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