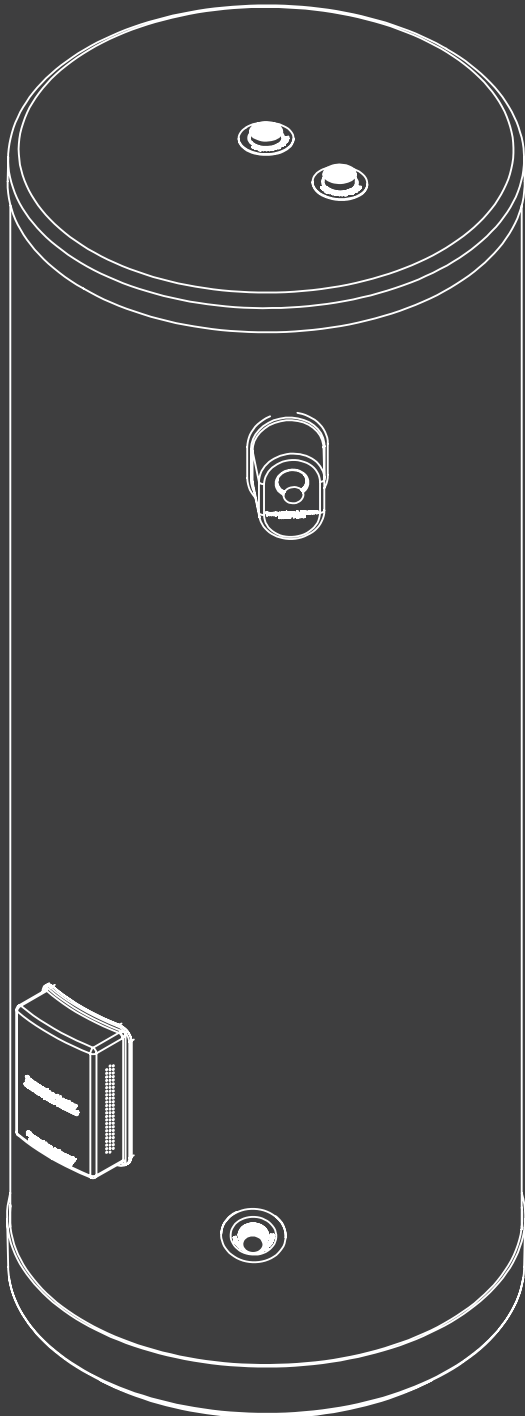


WATERWARE

PLUMBING



ELECTRIC

Hot Water Cylinders

135L, 185L

FAST INSTALL

Available with or without the Caleffi 'direct mount mono-block' combo set which can save up to 50% in installation time.



INSULATION CLAM
Reduces heat loss

HIGH FLOW

20mm or 25mm high flow ports according to tank size.

WIDE RANGE

(135L, 185L) options.

LONG LASTING

Manufactured from premium grade 2304 Duplex stainless steel with a 20 year limited warranty (refer warranty terms and conditions for details).

SOLAR READY

Two direct solar ports and three thermostat probe pockets on models 250L and over. (250L Coming soon)

POWERFUL

Dual elements on models 250L and over. (250L Coming soon)

SPACE SAVING

Top entry and exit ports for easy reach and narrow installation spaces.

RING-MAIN

Return port for ring-main applications.

CLEAN & TIDY

A concealed 2304 Duplex stainless steel dip tube takes the cold to the bottom of the tank.

EASY WASTE CONNECTION

TPR and cold water expansion valve offset for easy waste connection

HANDSOME

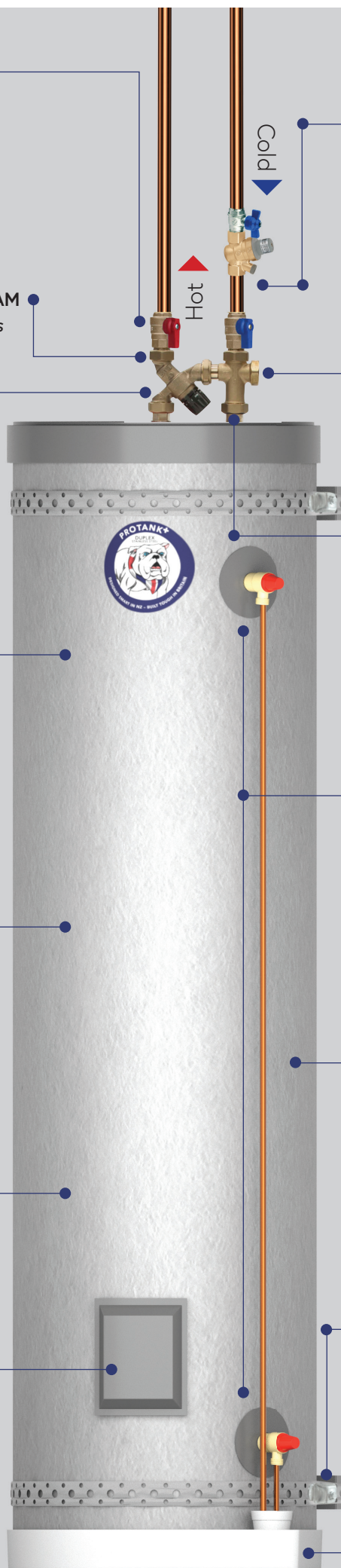
Textured grey powder coated finish.

STRAPS AND BLOCKS

Safely secures tank

TRAY AND TUNDISH

In case of cylinder overflow



Protank hot water cylinders are designed for indoor installation mains pressure domestic hot water systems.

DESIGNED SMART IN NEW ZEALAND - BUILT TOUGH IN BRITAIN.

Protank has been developed to meet the needs of those home owners wanting a high capacity, high pressure hot water system that is going to last.

The internal tank and fittings are crafted from the highest possible spec 'Duplex' 2304 stainless steel and performance matched to Caleffi's latest high flow valve set.

MODEL RANGE

Including Valve Set	Cylinder Only	Description	Height x Ø
PTPC135	PTP135	135L, 3kW	1380mm x 475mm
PTPC185	PTP185	185L, 3kW	1800mm x 475mm

Models with valve set include:

- Protank hot water cylinder
- Caleffi 'direct mount mono-block' combo set
- Caleffi TPR valve
- Heatrod element(s) and thermostat

Models without valve set include:

- Protank hot water cylinder
- Caleffi TPR valve
- Heatrod element(s) and thermostat



Caleffi

'Direct Mount Mono-block'
Combo Set

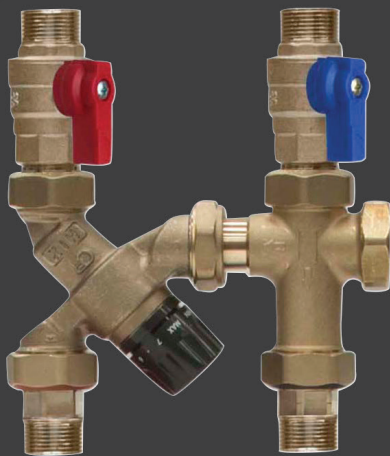
CALEFFI DIRECT MOUNT COMBO SET

20mm COMBO2015PRO (135L and 185L models)

Protanks are available with or without the Caleffi 'direct mount mono-block' combo set which can save up to 50% in installation time when compared to installing a traditional hot water cylinder with 3rd party valves and components. It connects to the cold and hot connections via Caleffi's full proof o-ring sealed union connections.

The Caleffi direct mount combo sets include every primary valve required to complete an installation:

- 1 x mono-block tempering inlet valve and isolators
- 1 x adjustable pressure limiting valve with strainer
- 1 x cold water expansion valve
- 1 x ball valve



TV520150 20mm (135L, 185L)



PRV20 20mm (135L, 185L)



TPR309470 15mm (135L, 185L)



BV20M 20mm (135L, 185L)



DSV312407 15mm (135L and 185L)

RECIRCULATING SYSTEMS

The mono-block manifold has a blanking cap which when removed acts as a return port for a recirculating ring main. Contact us for ring main set up or design advice.

DIRECT MOUNTING OF THE TEMPERING VALVE

Notwithstanding acceptable methods detailed in G12, the manufacturer Caleffi have specifically engineered this tempering control valve to directly mount onto the hot water cylinder with no minimum pipe length isolation requirement as an alternative method of achieving compliance.

SPECIFICATIONS

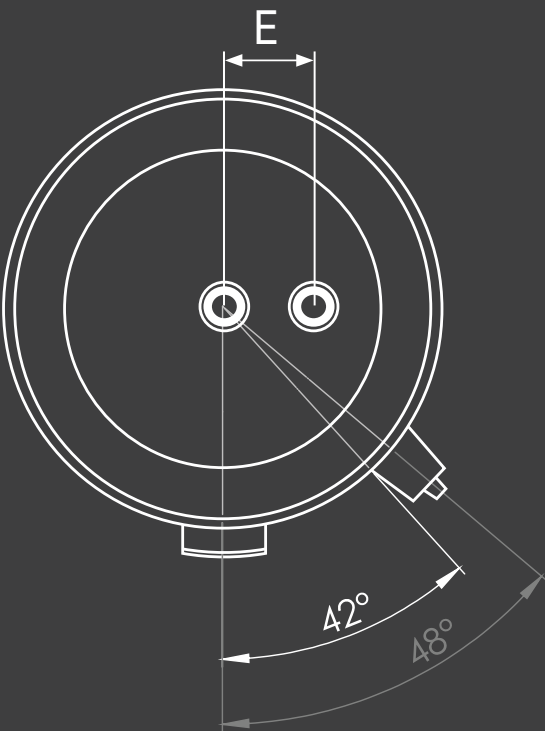
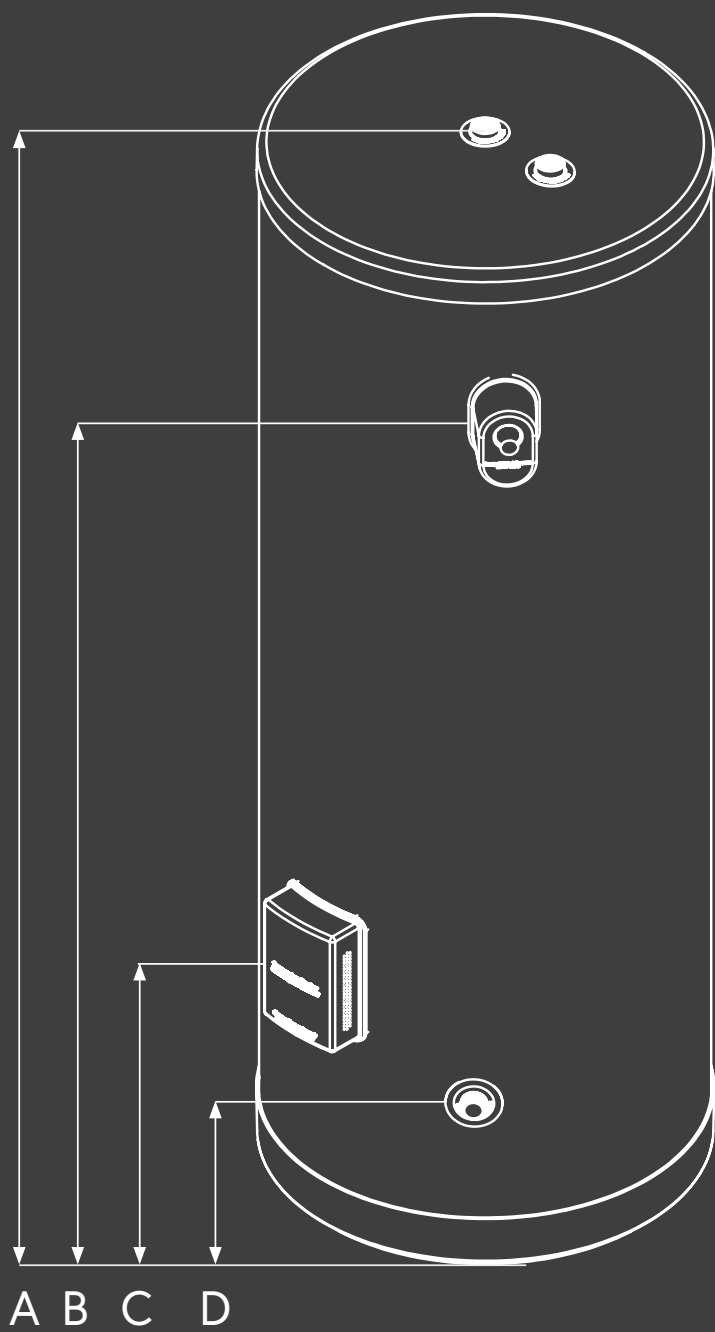
General Specification			
Manufactured by		Whitewolf	
Country of origin		UK	
Pressure Ratings		Shell Construction	
TPR Setting		Shell type	Single skin
Cold water expansion setting		Shell material	2304 Duplex SS
Maximum supply setting		Thickness	1 mm
Factory supply set point		Circumferential joint	Tig butt weld
		Longitudinal joint	Tig butt weld
Electrical		Case Construction	
Cable / Sheath size		End material	Polypropylene
Terminals		End thickness	2 mm
Thermostat supplier		Wall material	Painted Galvanized steel
Thermostat model		Wall thickness	0.45 mm
Thermostat approval number		End joint	Press fit
Thermostat set point range		Wall joint	Lock form joint
Thermostat factory set point		Thermal Insulation	
Thermal cutout set point		Insulation specification	EPC/IsoPMDI
Thermal cutout reset		Wall thickness	50 mm
Heating element supplier		Base thickness	10 mm
Heating element mount		Top thickness	50 mm
Heating element sheath material			
Heating element resistance			
Heating element power density			

Technical Specification		
Capacity	135L	185L
Inlet / Outlet ports	20mm	20mm
TPR / CWE ports	15mm	15mm
Solar ports (qty x Ø)	none	none
Dry stat pockets (qty x Ø)	none	none
Heating element	3kW	3kW
Overall (Height x Ø)	1380 x 475mm	1800 x 475mm
Internal shell (Height x Ø)	1350 x 375mm	1785 x 375mm
Weight full	157kg	210kg
Weight empty	22kg	30kg

PORT LAYOUT

135 and 185L Models

Model	135L	185L
A. Inlet/Outlet height	1380mm	1800mm
B. TPR Valve	1150mm	1570mm
C. Element	260mm	260mm
D. CWE Valve	215mm	215mm
E. Inlet/Outlet centres	110mm	110mm



PROTANK 20 YEAR LIMITED WARRANTY

All terms of the warranty, subject to the conditions below, are effective from the date of installation if proof of installation date can be provided. Where the date of installation is not known or cannot be proven, the warranty will commence one month after proof of purchase date.

Single Residential Domestic Warranty

A single residential domestic installation is defined as an installation where the hot water cylinder with a factory set thermostat delivers hot water to a privately owned single family residential dwelling which is not used for commercial purposes.

Protank Excluding Valves and Element

5 YEARS FREE PARTS and LABOUR costs to replace or repair the cylinder if it fails due to manufacturing defect.

Followed by;

5 YEARS FREE PARTS ONLY costs (excluding labour) to replace or repair the cylinder if it fails due to manufacturing defect.

Followed by;

10 YEARS *PRO-RATA PARTS ONLY reducing costs (excluding labour) according to the below formula, to replace or repair the cylinder if it fails due to manufacturing defect.

*Pro-Rata Formula = Original purchase price x remaining warranty in years ÷ total warranty period of the cylinder.

Caleffi Valves (excluding any 3rd party valves)

5 YEARS FREE PARTS and LABOUR costs to replace or repair any valve that fails due to manufacturing defect.

Protank Element Only;

12 MONTHS FREE PARTS and LABOUR costs to replace or repair the element if it fails due to manufacturing defect.

Commercial Applications Warranty

Any installation not considered to be a single residential domestic type.

Protank and Caleffi Valves Excluding Element

5 YEARS FREE PARTS and LABOUR costs to replace or repair the cylinder or valves if failure is due to a manufacturing defect.

Protank Element Only;

12 MONTHS FREE PARTS and LABOUR costs to replace or repair the element if it fails due to manufacturing defect.

Refer to full terms, conditions and exclusions in the installation/owners manual



WATERWARE

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