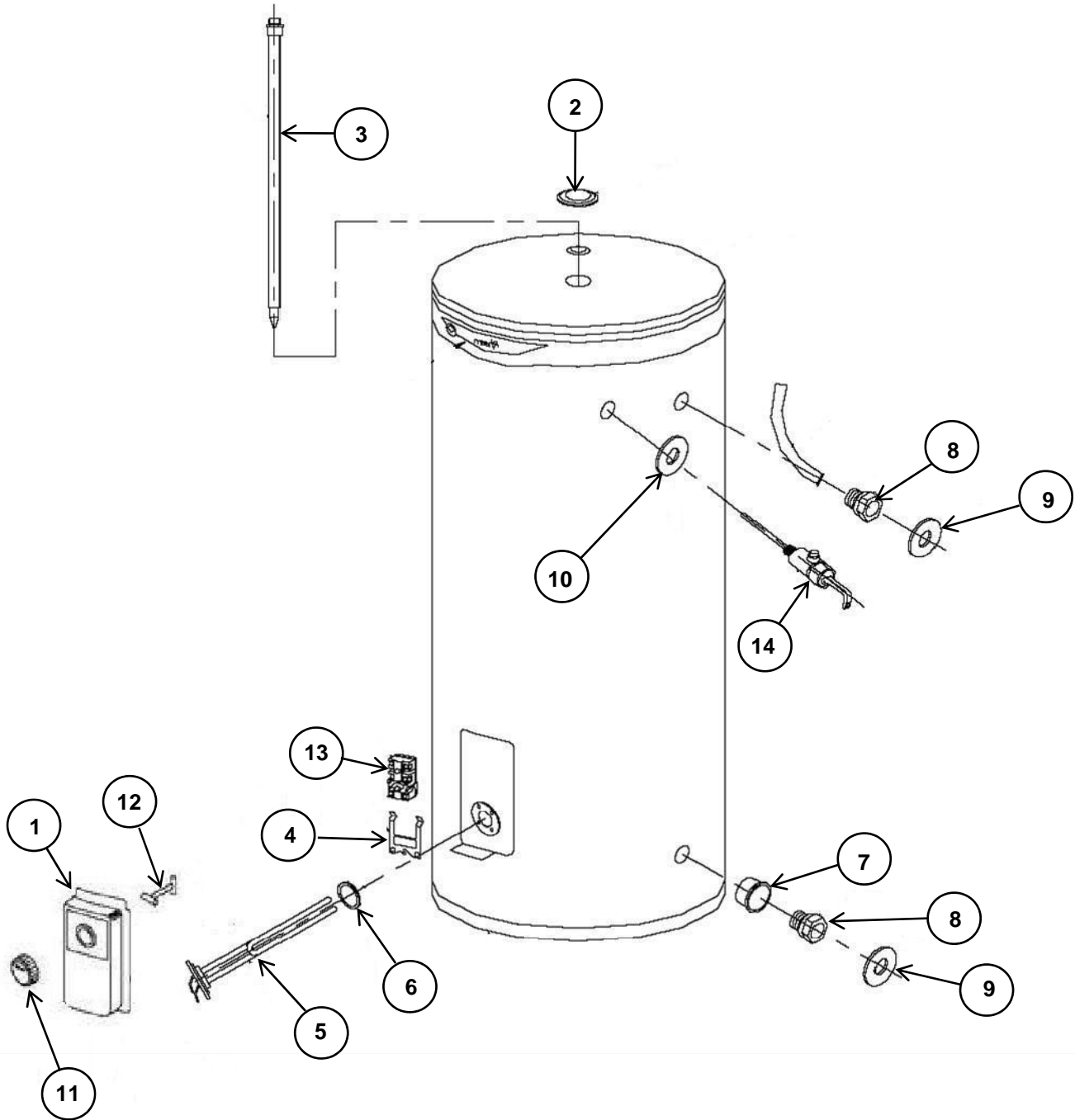


Optima

Optima 180 Litre

Single Element Model



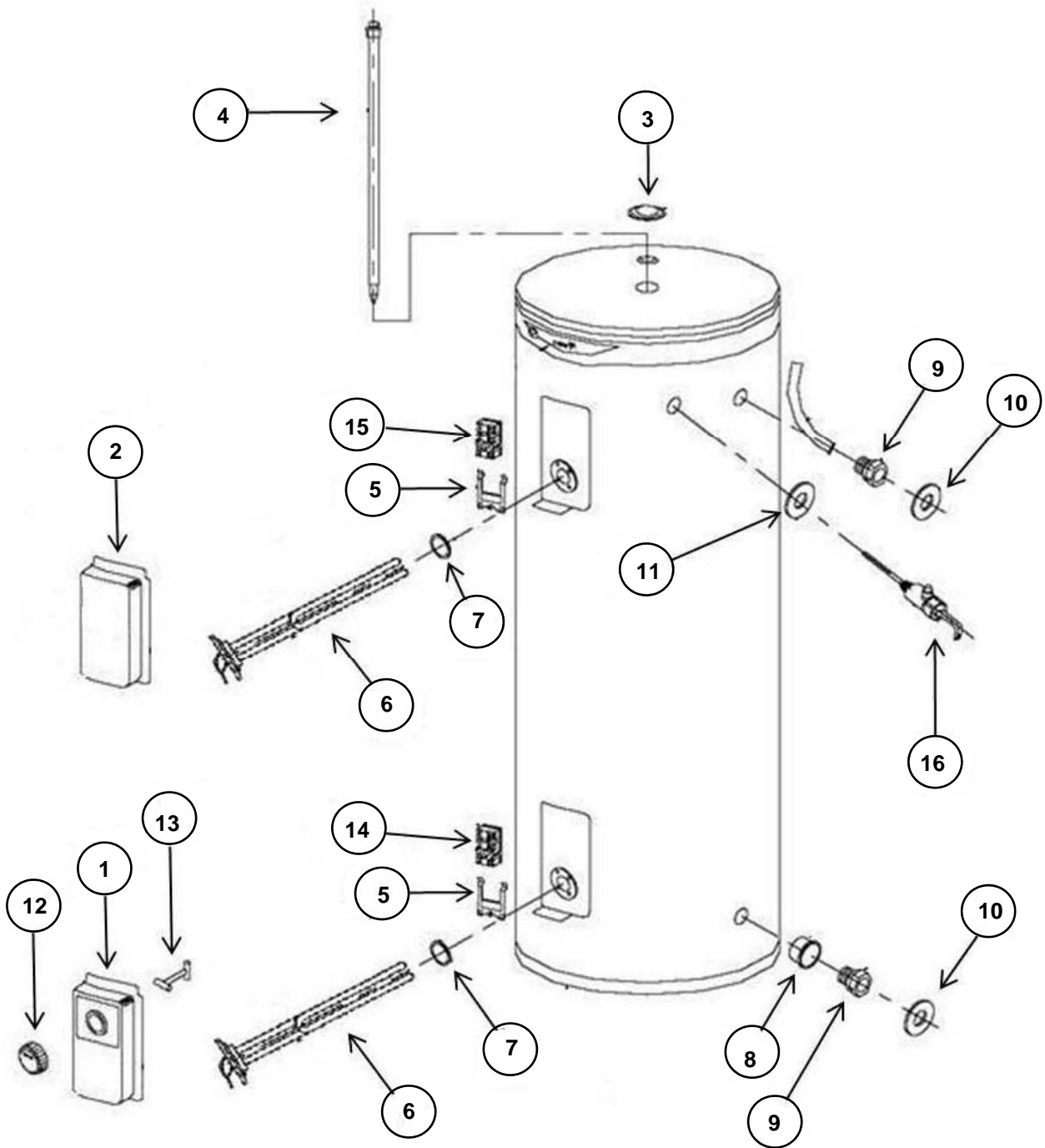
Optima 180 Litre

Single Element Model

	Part No.	Description	Model Reference	Category
1	100738-1	Access Cover (Bottom) Adj T/Stat Elect	Optima 180L-400L	MPE
2	221720-1	Anode Cover	Optima 180L-400L	MPE
3	11085	Anode 1572mm EA180/300 Various	Various	MPE/VU
4	11599	Clamp Thermostat MP/LP	All LP and MP Prewire (Exclude 25L)	MPE/LPE
5	14321	Element 3.0kW Tin Plated	MP Domestic internal	MPE
6	10908	Element O-Ring	Optima 180L-300L	MPE
7	316209	Fitting Liner 3/4 x 25 Noryl NZ	Domestic Electric & Gas (Except Freeloder)	MPE/GAS
8	069405	Fitting Extension 3/4	Optima 180L-400L	MPE
9	221398-1	Pipe Seal Inlet/Outlet	Optima 180L-400L	MPE
10	221411	Pipe Seal T&PR	Optima 180L-400L	MPE
11	226928-1	Temperature Adjustment Knob Assy	Optima 180L-400L	MPE
12	226948	Tee Connector 60 mm Adj T/S Grey (180L & 300L) (Small Black)	Optima 180L-400L	MPE
13	052014	Thermostat ST1204133R Optima	Optima - Bottom Adjustable	MPE
14	90422	Valve T&PR HT553 1/2" x1400 kPa	HT55 @ 1400 kPa Domestic 25L (Post 10/92) 45L & NZ Gas 135L, 170L	MPE/GAS
N/S	317623	Kit Thermostat and Tee Connector	Optima 180-300L	MPE

Optima 300 Litre

Dual Element Model



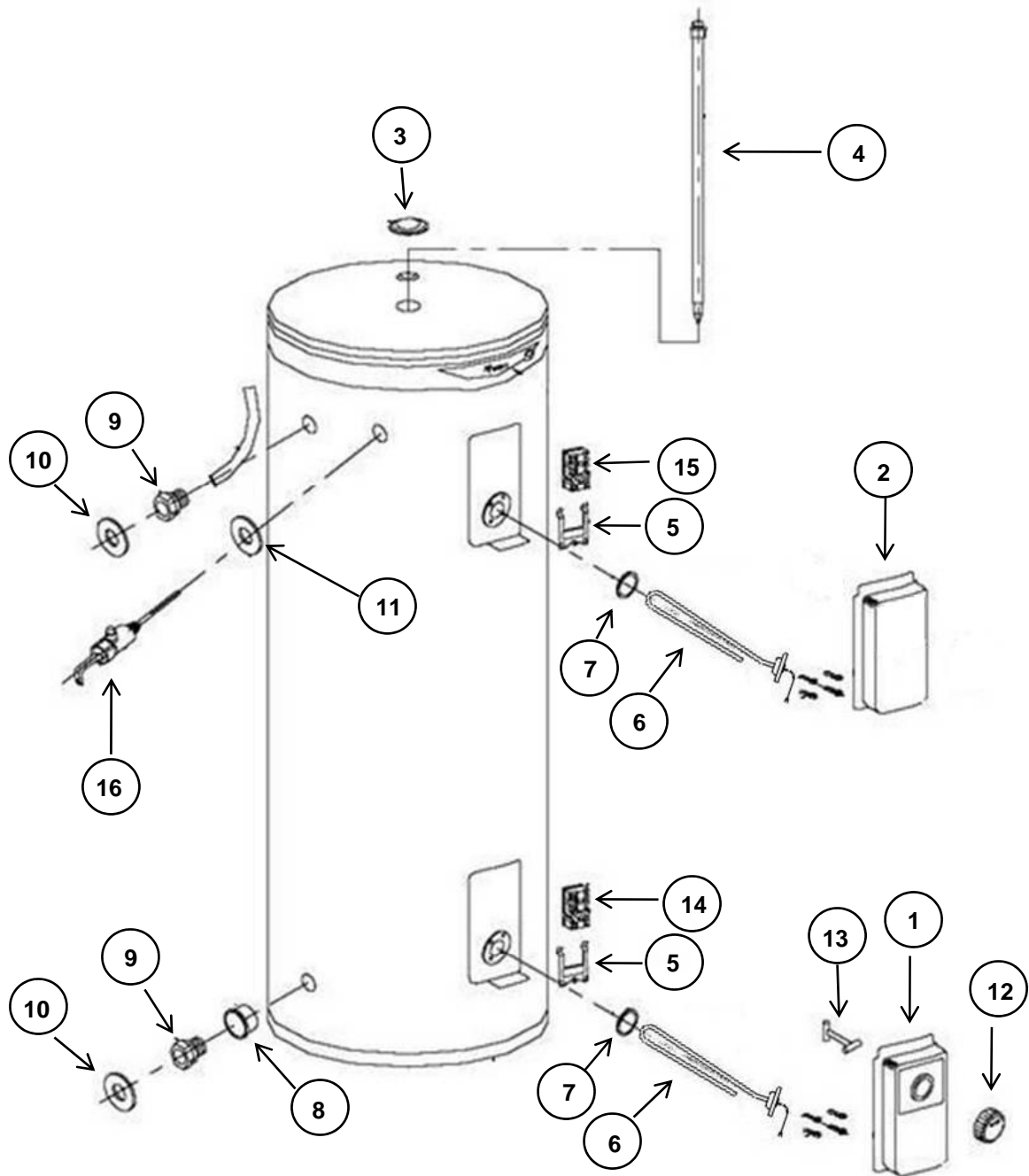
Optima 300 Litre

Dual Element Model

	Part No.	Description	Model Reference	Category
1	100738-1	Access Cover (Bottom) Adj T/Stat Elect	Optima 180-400L	MPE
2	100704-1	Access Cover (Top – Twin Element)	Optima 180-400L	MPE
3	221720-1	Anode Cover	Optima 180-400L	MPE
4	316546	Anode dia 27 x 1550 mm	Heavy Duty	MPE/GAS
5	11599	Clamp Thermostat MP/LP	All LP and MP Prewire (Exclude 25L)	MPE/LPE
6	14321	Element 3.0kW Tin Plated	MP Domestic Internal	MPE
7	10908	Element O-Ring	Optima 180-300L	MPE
8	316209	Fitting Liner ¾" x 25 Noryl NZ	Domestic Electric & Gas (Except Freeloader)	MPE/GAS
9	069405	Fitting Extension ¾"	Optima 180-400L	MPE
10	221398-1	Pipe Seal Inlet/Outlet	Optima 180-400L	MPE
11	221411	Pipe Seal T&PR	Optima 180-400L	MPE
12	226928-1	Temperature Adjustment Knob Assy	Optima 180-400L	MPE
13	226948	Tee Connector 60mm Adj T/S Grey (180L & 300L) (Small Black)	Optima 180-400L	MPE
14	052014	Thermostat ST1204133R Optima Bottom	Optima - Bottom Adjustable	MPE
15	11077	Thermostat ST2207233 Top Non Simultaneous	LP & MP Twin Element	MPE/LPE
16	220641	Valve T&PR HT523/507 1000kPa x 1/2"	Optima 300-400L	MPE
N/S	317623	Kit Thermostat and Tee Connector	Optima 180-300L	MPE

Optima 400 Litre

Dual Element Model



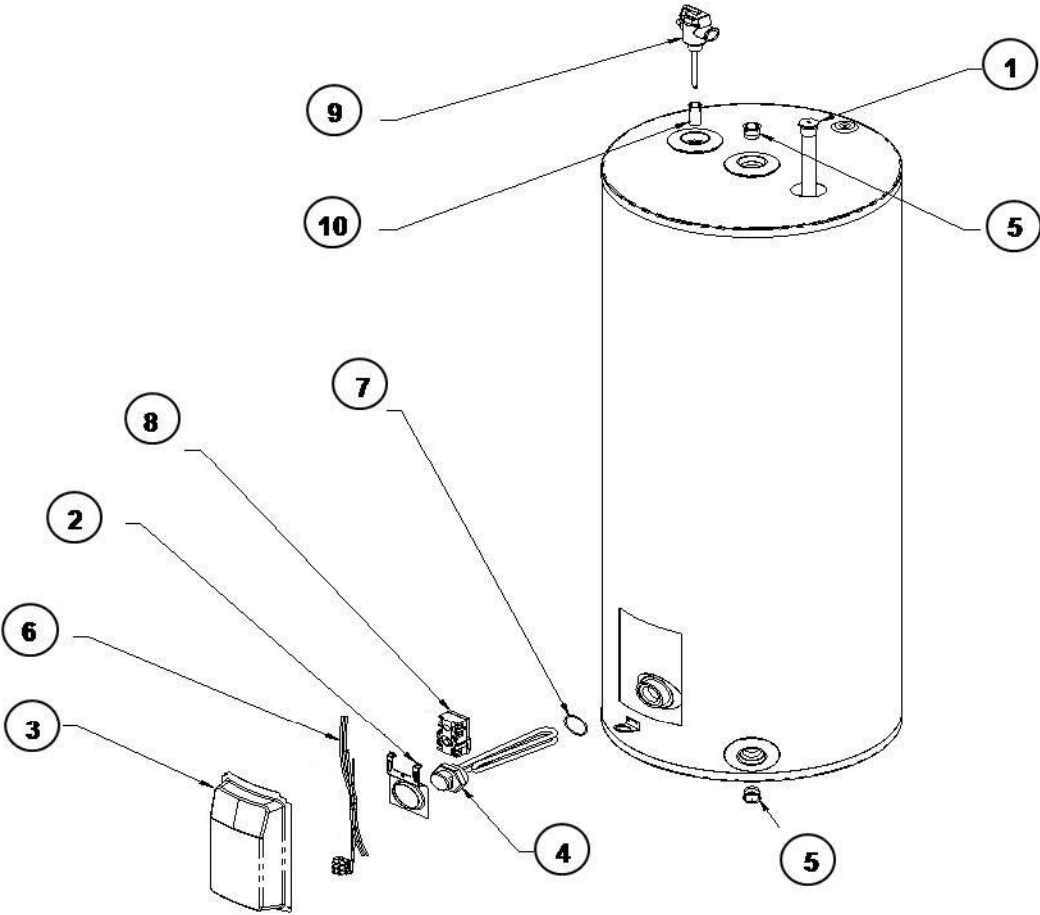
Optima 400 Litre

Dual Element Model

	Part No.	Description	Model Reference	Category
1	100738-1	Access Cover (Bottom) Adj T/Stat Elec	Optima 180-400L	MPE
2	100704-1	Access Cover (Top – Twin Element)	Optima 180-400L	MPE
3	221720-1	Anode Cover	Optima 180-400L	MPE
4	22020	Anode Black	Optima 400L	MPE/VU
	316657	Anode dia 27 x 1550 mm	Optima 400L	MPE/GAS
5	11599	Clamp Thermostat	Optima 400L	MPE/LPE
6	050314	Element Heating Unit 3000W Offset 150	Optima	MPE
	050317	Element Heating Unit 3600W Offset 150	Optima	MPE
	050318	Element Heating Unit 4800W Offset 150	Optima	MPE
7	050704	Element Gasket	For All Bolt On Elements - Seal	MPE
8	316209	Fitting Liner ¾" x 25 Noryl NZ	Domestic Electric & Gas (Except Freeloader)	MPE/GAS
9	069405	Fitting Extension ¾"	Optima 180-400L	MPE
10	221398-1	Pipe Seal Inlet/Outlet	Optima 180-400L	MPE
11	221411	Pipe Seal TP&R	Optima 180-400L	MPE
12	226928-1	Temperature Adjustment Knob Assy	Optima 180-400L	MPE
13	226948	Tee Connector – 60mm Adj T/S – Grey (180L & 300L)(Small Black)	Optima 180-400L	MPE
14	052014	Thermostat RS EWT 1L2543 75°C. Bottom	Optima - Bottom Adjustable	MPE
15	11077	Thermostat EWT2L2-620 Top Non Simultaneous	LP & MP Twin Element (Top)	MPE/LPE
16	220641	Valve T&PR HT523/507 1000kPa x 1/2"	Optima 300-400L	MPE

Mains Pressure Electric Prewired

31204515 – 31230015



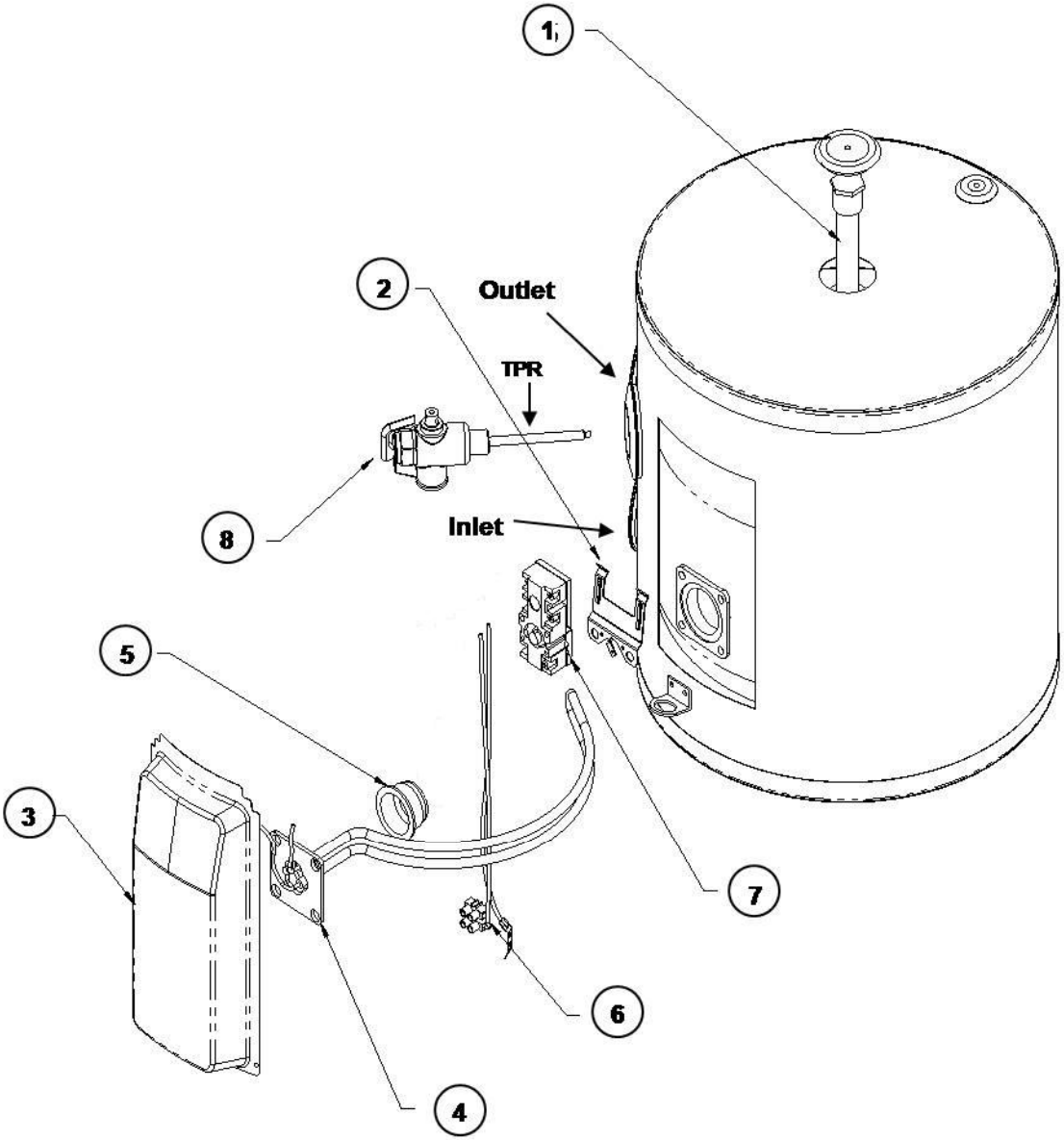
Mains Pressure Electric

31204515 – 31230015

	Part No.	Description	Model Reference	Category
1	11004	Anode 1125mm	31213515,31213513, 135L	MPE/GAS VU
	11086	Anode 1340mm	250L Twin Element, 31225025	MPE
	11085	Anode 1572mm EA180/300 Various	Vulcan185L & MP Electric180L, 300L Twin Element	MPE/VU
	11011	Anode 364mm	45L - 31204515	MPE
	11000	Anode 794mm	90L - 31209015	MPE
	11009	Anode 929mm	32218015, 32213515	MPE/ VU
2	11599	Clamp Thermostat MP/LP	All LP and MP Prewired (Exclude 25L)	MPE/LPE
3	314165	Cover E&T Deep	All Models (pre 03/03)	MPE
	316466	Cover E&T Slim	All Models (post 03/03)	MPE
4	14319	Element 1.5kW Tin Plated	MP Domestic	MPE
	14320	Element 2.0kW Tin Plated	MP Domestic	MPE
	14321	Element 3.0kW Tin Plated	MP Domestic Internal	MPE
5	316209	Fitting Liner ¾" x 25 Noryl NZ	Domestic Electric & Gas (Except Freeloader)	MPE/GAS
6	13197	Loom Prewired Cyls MP/LP	Zip U/Sink MP & LP Prewired (Except BCR)	MPE/LPE ZIP
7	10908	O-Ring Seal - Tin Plated Elements	MP	MPE/LPE
8	10975	Thermostat ST1204113 15L-45L	U/Sink& MP Domestic (70L & Under) Blue	MPE/LPE
	315825	Thermostat ST1203133 70L-350L	LP & MP Domestic (90L & Over) & Twin Element (Base) up to 70° Black	MPE/LPE
9	11003	Valve T&PR HT553 1400kPa x ½"	31204505, 31209015, 31213515, 31218015	MPE/GAS
	90423	Valve T&PR HTE55-2 850kPa x ½"	HTE55-2 @ 850kPa Domestic (Pre 1988) & Gas	MPE/GAS
	11116	Valve T&PR HT55 1000kPa x ½"	32218015,32213515, 31225015, 31225025, 31230015/33/55	MPE

Mains Pressure Electric Prewired

25L Only Underbench



Mains Pressure Electric Prewired

25L Only Underbench

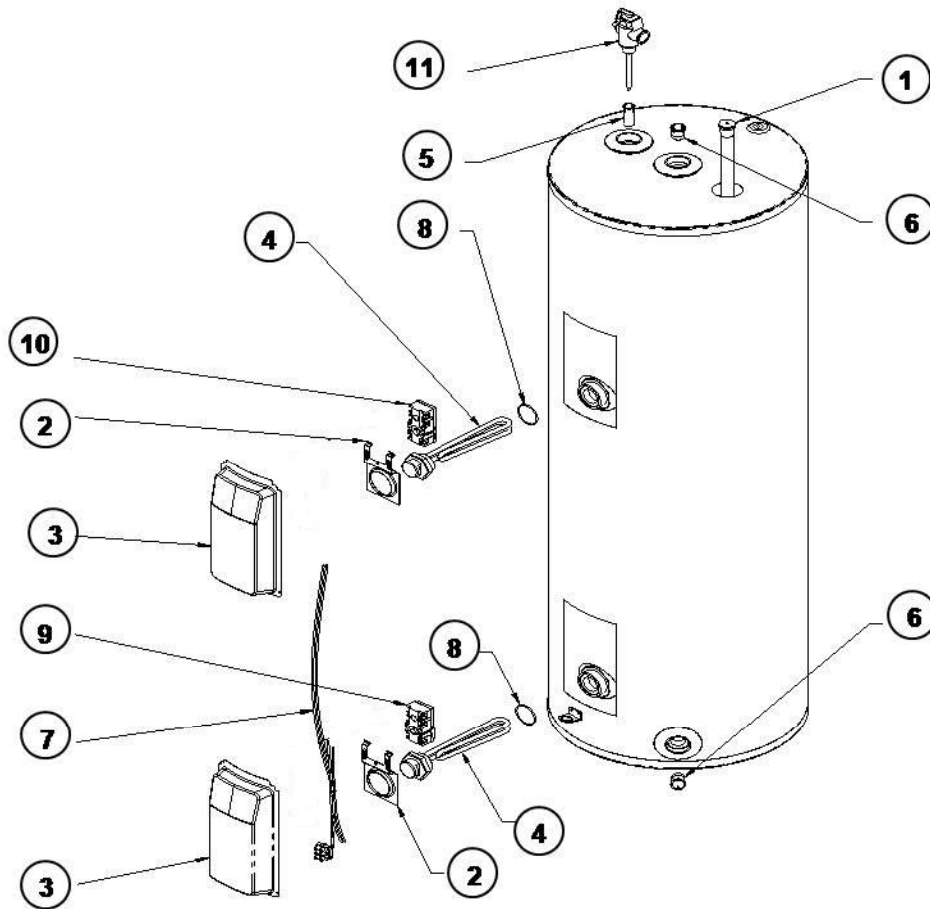
	Part No.	Description	Model Reference	Category
1	221916	Anode M2 X 230	25L, 31202519	MPE
2	102501	Clamp Thermostat Assy	MP 25L	MPE/GAS
3	314165	Cover E&T Deep	All Models	MPE
4	311024	Element 2.4kW Bolt On and Gasket 10 Amp	25L, 31202519	MPE
5	050704	Element Gasket	For All Bolt On Elements	MPE
6	13197	Loom Prewired Cyls MP/LP	Zip U/Sink, MP & LP Prewired (Except BCR)	MPE/LPE ZIP
7	10975	Thermostat ST12044113 15L-45L	U/Sink & MP Domestic (70L & Under) Blue	MPE/LPE
8	11003	Valve T&PR HT553 1/2" x 1400kPa	HT55 @ 1400 kPa Domestic 25L (Post 10/92) 45L NZ Gas135L & 170L	MPE/GAS

Mains Pressure Electric Prewired Twin Element

i.e. Night Rate/Off Peak

Models 31218025, 31225025

(Note: 31230025 discontinued April 2004.)



Mains Pressure Electric Prewired Twin Element

	Part No.	Description	Model Reference	Category
1	11086	Anode 1340mm	250L Twin Element, 31225025	MPE
	11085	Anode1572mm EA180/300 Various	Vulcan 185L & MP Electric 180L, 300L Twin Element	MPE/UU
2	11599	Clamp Thermostat MP/LP	All LP and MP Prewired (Exclude 25L)	MPE/LPE
3	314165	Cover E&T Deep	All Models (pre 03/03)	MPE
	316466	Cover E&T Slim	All Models (post 03/03)	MPE
4	14321	Element 3.0kW Tin Plated	MP Domestic Internal	MPE
6	316209	Fitting Liner ¾" x 25 Noryl NZ	Domestic Electric & Gas (Except Freeloader)	MPE/GAS
7	13765	Loom Wiring	LP and MP Booster Unit	LP/MP
8	10908	O-Ring Element Seal	Zip U/Sink, LP, DB, DA (Post 1993) & MP	MPE/LPE ZIP
9	315825	Thermostat ST1203133 70-350L Bottom	LP & MP Domestic (90L & Over) & Twin Element up to 70° BLACK	MPE/LPE
10	11077	Thermostat EWT2L2-620, Non Simultaneous - Top	LP & MP Twin Element (TOP)	MPE/LPE
11	11116	Valve T&PR 1000 kPa ½" x ½"	HT55 @ 1000 kPa Domestic Squat (Post 88)	MPE
	15247	Valve T&PR HTE575-2 850 kPa	HTE575-2 @ 850 kPa Domestic (Pre 1988)	MPE

Mains Pressure Electric Bare

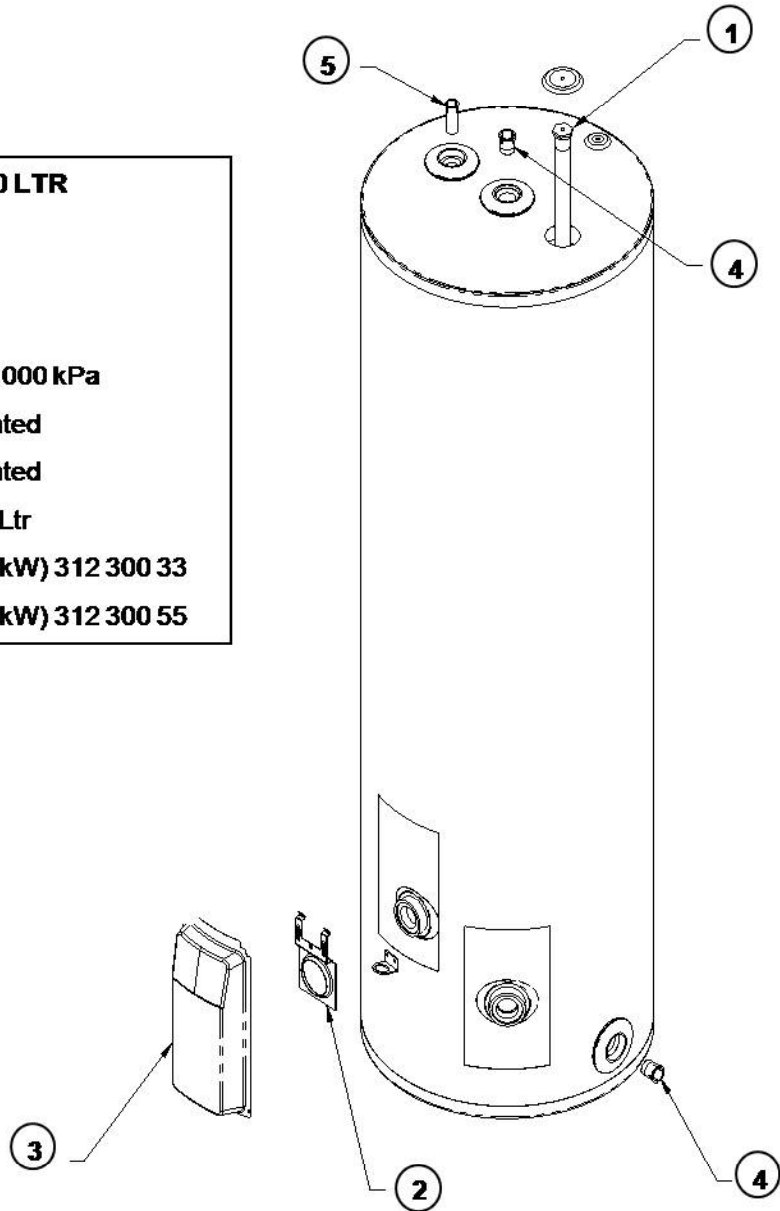
Models 31130000, 31230000

Discontinued July 2005

PARTS FOR MAINS PRESSURE 300 LTR

PRE-WIRED (POST JUNE 05)

Models	312 300 33
	312 300 55
#11116	TPR Valve HT55 @ 1000 kPa
#14321	3 kW Element Tin Plated
#14322	5 kW Element Tin Plated
#315825	Thermostat 90 – 350 Ltr
#13197	Wiring Loom (up to 3 kW) 312 300 33
#316631	Wiring Loom (up to 5 kW) 312 300 55



Mains Pressure Electric Bare

Models 31130000, 31230000

Discontinued July 2005

	Part No.	Description	Model Reference	Category
1	11085	Anode 1572mm EA180/300 Various	Vulcan 185L MP Electric 180L 300L Twin Element	MPE/VU
2	11599	Clamp Thermostat MP/LP	All LP and MP Prewired (Exclude 25L)	MPE/LPE
3	314165	Cover E&T Deep	All Models	MPE/LPE
4	316209	Fitting Liner 3/4" x 25 Noryl NZ	Domestic Electric & Gas Except Freeloader	MPE/GAS

PARTS FOR MAINS PRESSURE 300LTR

PRE-WIRES (POST JUNE 05)

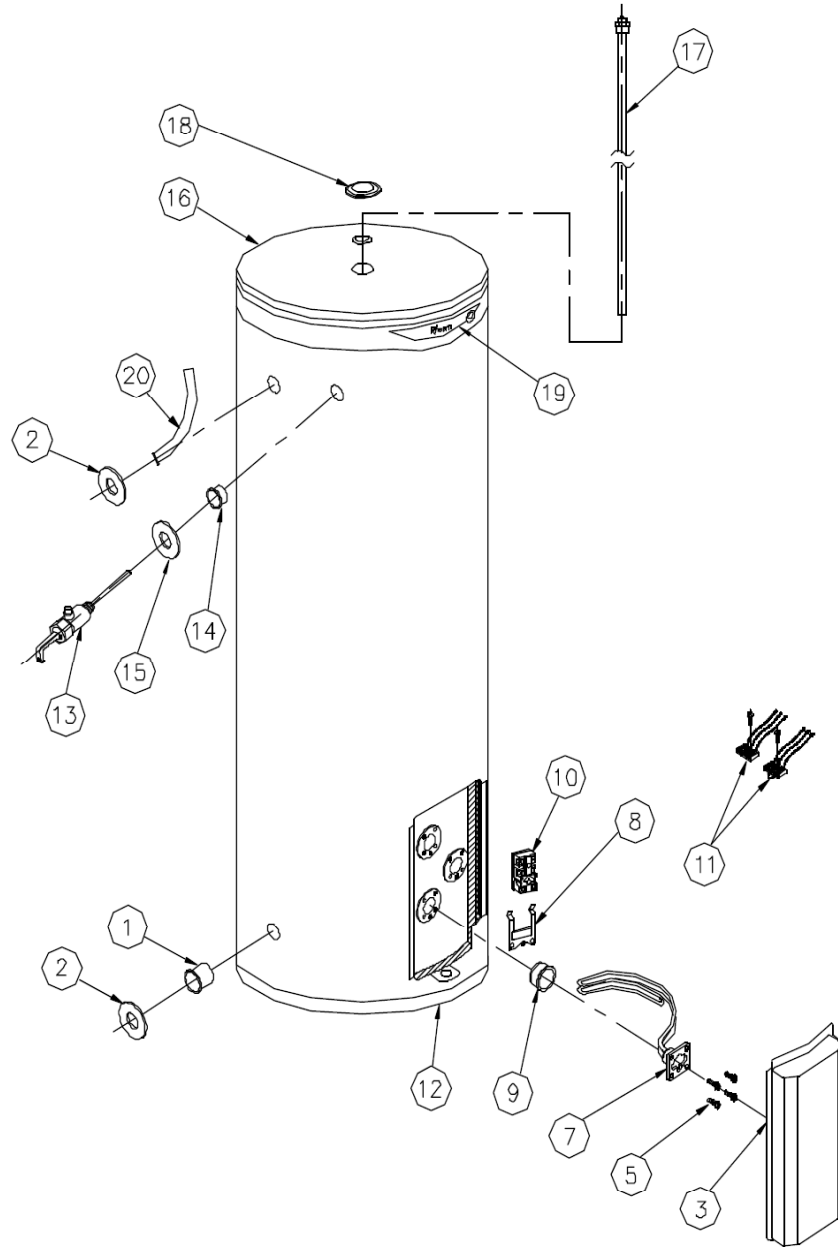
Models 31230033

31230055

Part No.	Description	Model Reference	Category
11116	T&PR Valve HT55 @ 1000 kPa	Electric 300L	MPE
14321	3kW Element Tin Plated	Electric 300L	MPE
14322	5kW Element Incoloy Single Blade (with wiring loom & instructions)	Electric 300L	MPE
315825	Thermostat 90L-350L	Electric 300L	MPE
13197	Wiring Loom (up to 3kW) 31230033	Electric 300L	MPE
317293	Wiring Loom Single Blade (up to 5kW)	Electric 300L	MPE

Three Element Models

Heavy Duty

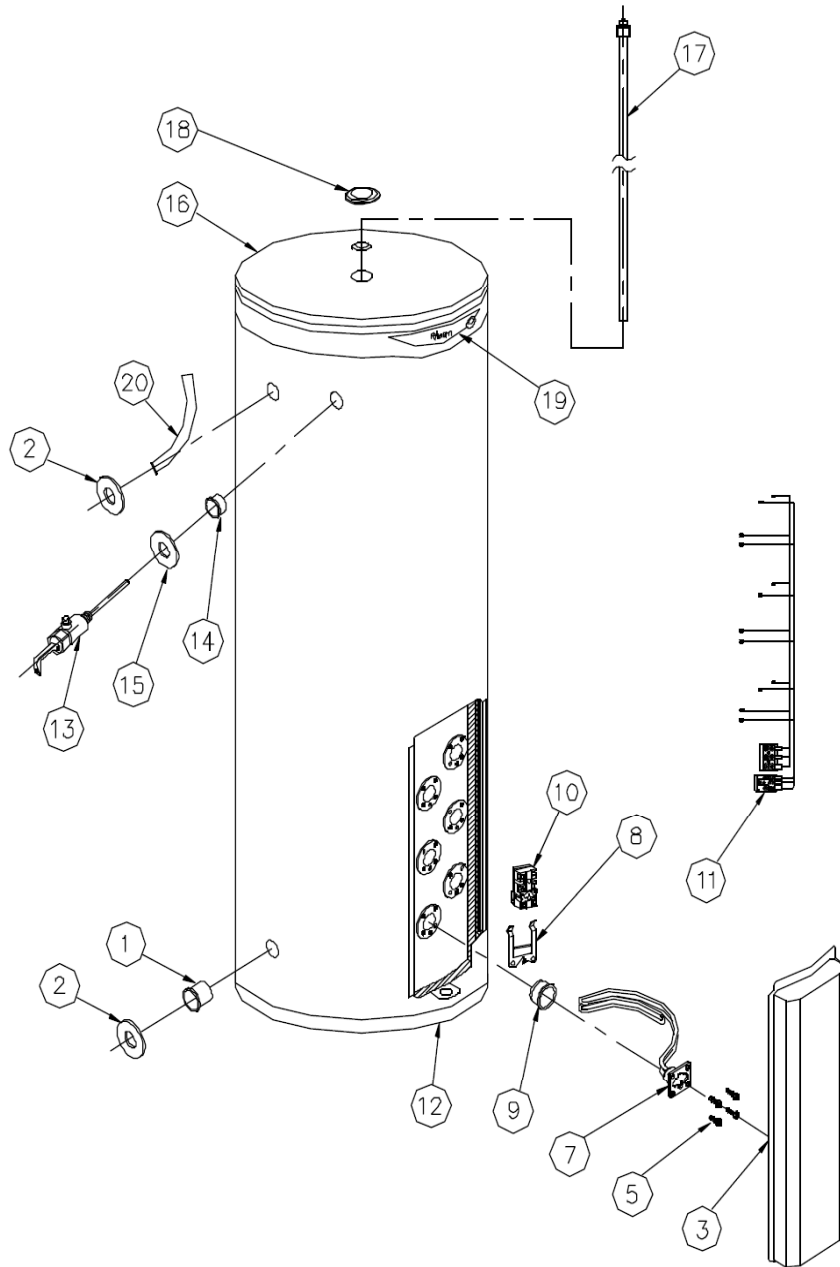


Three Element Models Heavy Duty

	Description	613050	613315	616315
1	Fitting Liner - Inlet	229450	229455	229455
2	Pipe Seal – Inlet/Outlet	221406-1	221406-1	221406-1
3	Access Cover	103411-1	103511-1	103512-1
5	Element Screw	051404	051404	051404
6	Element Blanking Plate	NF	NF	NF
7	Element & Gasket (Incoloy) - 3.6kW	050210	050210	050210
	Element & Gasket (Incoloy) - 4.8kW	804463	804463	804463
	Element & Gasket (Incoloy) - 6.0kW	14490	14490	14490
8	Thermostat Clamp	102501	102501	102501
9	Element Gasket	050704	050704	050704
10	Thermostat	052016	052016	052016
11	Terminal Block	051510	051510	051706
12	Jacket Bottom	100526-1	100624-1	100642-1
13	T&PR Valve (H.T.E 1000kPa x ¾")	220604	220604	220604
14	Fitting Liner T&PR	229460	229460	229460
15	Pipe Seal T&PR	221392-1	221404-1	221404-1
16	Jacket Top	100622-1	100647-1	100647-1
17	Anode Black	222023	222021	222021
	Anode Green	222037	222035	222035
18	Anode Cover	221720-1	221720-1	221720-1
19	Name Band	120493	120492	120492
20	Dip Tube (Outlet)	220510	220511	220511

Six Element Models

Heavy Duty

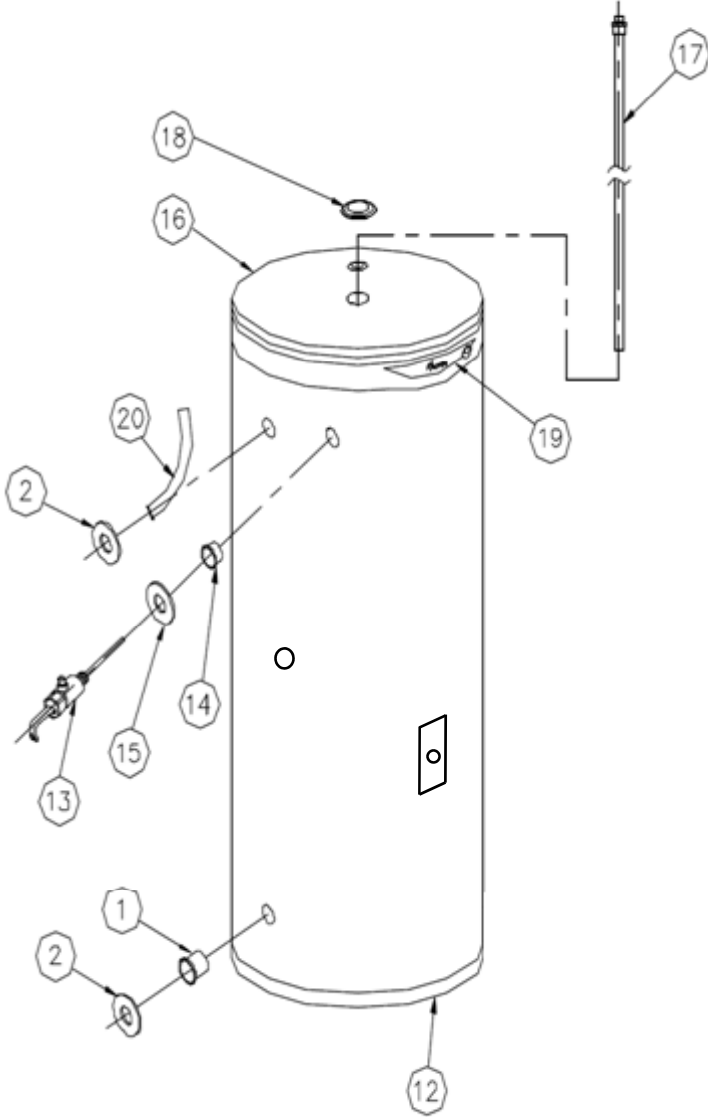


Six Element Model

Heavy Duty

	Description	616315
1	Fitting Liner - Inlet	229455
2	Pipe Seal – Inlet/Outlet	221406-1
3	Access Cover	103512-1
4	Adaptor Flange & Pipe	NF
5	Element Screw	051404
7	Element (Incoloy) 3.6kW	050210
	Element (Incoloy) 4.8kW	804463
	Element (Incoloy) 6.0kW	14490
8	Thermostat Clamp	102501
9	Element Gasket	050704
10	Thermostat	052016
11	Terminal Block	051706
12	Jacket Bottom	100642-1
13	T & PR Valve H.T.E 1000kPa x 3/4"	220604
14	Fitting Liner T&PR	229460
15	Pipe Seal T&PR	221404-1
16	Jacket Top	100647-1
17	Anode Black	222021
	Anode Blue	222031
	Anode Green	222035
18	Anode Cover	221720-1
19	Name Band	120492
20	Dip Tube (Outlet)	220511

Storage Cylinder



Storage Cylinders

	Description	610340	610430
1	Fitting Liner - Inlet	229455	229455
2	Pipe Seal – Inlet/Outlet	221406-1	221406-1
12	Jacket Bottom	100624-1	100624-1
13	T&PR Valve (H.T.E 1000kPa x ¾")	220604	220604
14	Fitting Liner T&PR	229460	229460
15	Pipe Seal T&PR	221404-1	221404-1
16	Jacket Top	100647-1	100647-1
17	Anode Black	221915	221915
	Anode Blue	221925	221925
	Anode Green	222015	222015
18	Anode Cover	221720-1	221720-1
19	Name Band	120491	120491
20	Dip Tube (Outlet)	220511	220511

