

# Industrial and collective water heaters

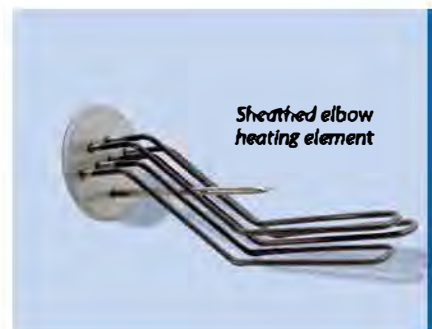


## Electric water heaters

### 1. Direct-immersion heating element water heaters

#### Characteristics

- Steel RST 235 tank
- Securex mineral lining (anti-corrosion and anti-perforation)
- Working pressure 7 bars and testing pressure 12 bars
- Sheathed elbow heating element (Incoloy 800 type) for complete water heating above 60°C, mounted onto a 150-mm dia. flange
- Bipolar control bulb thermostat with safety thermal cut-out mechanism to be connected to a power-switch (not supplied) for outputs greater than 5 kW
- Bottom dome drain 50/60 (optional for 500 l)
- Thermometer connections for loop return (optional for 500-litre) and thermal cut-out adaptation
- Thermostat as standard, used to produce 80°C thermal shocks



#### Standard range technical data

##### "Normal heating" electric water heater

Capacity (L)	Output (kW)	Heat-up time**	Energy consumption in kWh/24h	
			Steel jacket	Flexible jacket
500	5	6h30	3.7	7
750	10	5h00	4.6	6
1000	10	6h30	5.4	6.9
1500	15	6h30	7.2	9.2
2000	24	5h30	8.5	10.9
2500	24	6h45	9.6	12.3
3000	24	8h00	11	14

##### "Accelerated heating" electric water heater

Capacity (L)	Output (kW)	Heat-up time**	Energy consumption in kWh/24h	
			Steel jacket	Flexible jacket
500	10	3h30	3.7	7
750	15	3h15	4.6	6
1000	24	2h45	5.4	6.9
1500	24	4h51	7.2	9.2

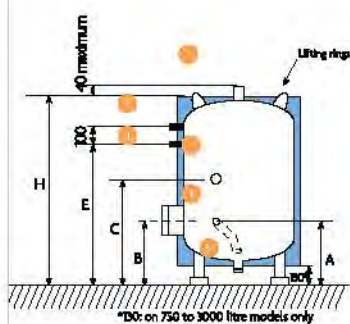
Please consult us if you require other outputs.

#### Dimensions

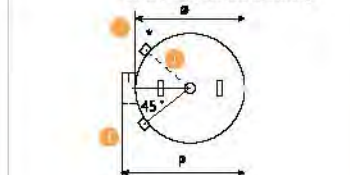
Capacity (L)	Net weight (kg)		Dimensions			Hydraulic dimensions of the secondary circuit (mm)					
	Steel Jacket	Flexible Jacket	Ø* (mm)	Max. D (mm)	H (mm)	1	2	A	B	C	E
500	180	125	PU 720 / JS 750	845	1828	M28/34	M28/34	300	300	755	1489
750	220	195	900	1010	1790	M33/42	M33/42	400	480	1000	1438
1000	280	235	800	1010	2200	M33/42	M33/42	400	480	1000	1848
1500	410	265	1200	1310	1970	M50/60	M33/42	520	505	1200	1582
2000	545	495	1200	1310	2490	M50/60	M33/42	520	505	1200	2072
2500	695	620	1350	1480	2426	M50/60	M33/42	525	530	1200	2005
3000	790	720	1350	1480	2725	M50/60	M33/42	525	530	1200	2305

\* Subtract 100 mm to obtain the diameter without jacket (doorways, etc.).

\*\* Subtract 50 mm to obtain the depth without jacket.



\*DØ: on 750 to 3000 litre models only



\*\*lateral drain only on 500 L models

- 1 Cold water inlet / hot water outlet
- 2 Loop return connecting tube (option for the 500 L model)
- 3 F15/21 plug for thermometer
- 4 F15/21 plug for additional safety thermostat (except for 500 L models)
- 5 M50/60 bottom dome drain on 750 to 3000 L models

## 2. Ceramic heating element water heaters

### Characteristics

- Steel RST 235 tank
- Securex mineral lining (anti-corrosion and anti-perforation)
- Working pressure: 7 bars and testing pressure: 12 bars
- Ceramic heating element inserted into a multiple-tube stainless steel sleeve, mounted onto a 150- or 200-mm dia. flange
- Bipolar control bulb thermostat with thermal cut-out safety mechanism to be connected to a power switch (not supplied) for outputs greater than 5 kW
- Bottom dome drain 50/60 (optional for 500 l)
- Thermometer connections for loop return (optional on 500-litre) and thermal cut-out adaptation (except for accelerated 500 l)
- Thermostat as standard, used to produce 80°C thermal shocks



Ceramic heating element inserted into a multi-tube stainless steel sleeve

### Technical data

#### "Normal heating" electric water heater

Capacity (L)	Output (kW)	Heat-up time**	Energy consumption in kWh/24h	
			Steel jacket	Flexible jacket
500	4.8	7h	3.49	6.1
750	9	5h45	5.2	6.6
1000	9	7h15	5.8	7.5
1500	13.5	7h15	9.5	12.05
2000	16	7h30	13.8	17.7
2500	24	6h45	15.8	20.7
3000	27	6h30	17.7	22.75

#### "Accelerated heating" electric water heater

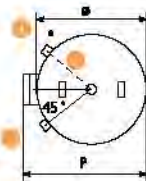
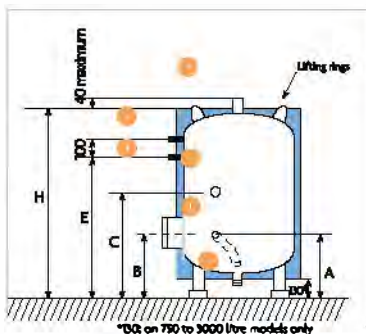
Capacity (L)	Output (kW)	Heat-up time**	Energy consumption in kWh/24h	
			Steel jacket	Flexible jacket
500 (Turbo)	2 x 4.8	7h/3h	3.58	6.1
750	18	2h45	5.2	6.8
1000	18	3h45	5.8	7.5
1500	27	3h30	9.5	12.05
2000	27	4h30	13.8	17.7
2500	27	5h45	15.8	20.7

Please consult us if you require other outputs.

### Dimensions

Capacity (L)	Net weight (kg)		Dimensions			Hydraulic dimensions of the secondary circuit (mm)					
	Steel jacket	Flexible jacket	Ø* (mm)	Max. D (mm)	H (mm)	1	2	A	B	C	E
500	160	125	PU 720 / JS 750	845	1826	M28/34	M28/34	300	300	755	1489
750	220	195	900	1010	1790	M33/42	M33/42	400	480	1000	1438
1000	280	235	900	1010	2200	M33/42	M33/42	400	480	1000	1848
1500	410	355	1200	1310	1970	M50/60	M33/42	520	905	1200	1562
2000	545	495	1200	1310	2490	M50/60	M33/42	520	905	1200	2072
2500	695	620	1350	1480	2425	M50/60	M33/42	525	550	1200	2005
3000	790	720	1350	1480	2725	M50/60	M33/42	525	550	1200	2305

\* Subtract 100 mm to obtain the diameter without jacket (doorways, etc.).  
\*\* Subtract 50 mm to obtain the depth without jacket.



- 1 Cold water inlet / hot water outlet
- 2 Loop return connecting tube (option for the 500 L model)
- 3 FIS/21 plug for thermometer
- 4 FIS/21 plug for additional safety thermostat (except for 500 L models)
- 5 M50/60 bottom dome drain on 750 to 3000 L models

