

Duotherm



INDIRECT WATER HEATER

Models 100 to 200
(Multi-position installation)



Available in two models:

- Duotherm with annular exchanger only when the external source of energy operates year-round (available models: 100/150/200L).
- Duotherm with backup sheathed heating element, ideal for summer use when external power sources are off (available models: 150/200L).



Comfort

- Capable of quickly producing large hot water amounts in any season



Durability

- Magnesium anode for better tank protection
- Sheathed heating elements in equipped version (150/200 L)
- Specific lip gasket to avoid corrosion around the flange
- Diamond-quality glass lining
- Equipped with an exclusive annular exchanger to minimise pressure, this system can operate with or without a primary pump, supporting both forced and thermosiphon modes



Installation

- Multi-position installation to seamlessly blend into any space
- Top and bottom handles for better grip
- Fully detachable next-generation screw-fixed hood
- Built-in cable gland



Energy savings

- Heating system connection to enable cost-effective production
- CFC-free high-density insulation to increase energy savings



- 1** DIAMOND-QUALITY ENAMEL
(glass-lined inner tank)
- 2** Annular heat exchanger
- 3** MAGNESIUM ANODE
- 4** Sleeve
- 5** Stainless steel water inlet
- 6** Optimised stainless steel
- 7** High-density, 0% CFC polyurethane foam

Technical specifications with back-up heating element

Model	Output (W)	Voltage (V)	Energy consumption kWh/24 h ⁽¹⁾	Heating time with electrical back up	ErP energy class	Profile
150	2200	230 V mono	1.58	2h50	A+ C	M
200	2200	230 V mono	1.96	5h15	A+ C	M

Technical specifications annular exchanger only

Model	Heat exchanger power (kW)		Hourly flowrate (L)		Heating time		Minimal energy consumption (kWh/24h)	Cooling constant	ErP energy class
	Forced ⁽¹⁾	Thermosiphon ⁽²⁾	Forced ⁽¹⁾	Thermosiphon ⁽²⁾	Forced ⁽¹⁾	Thermosiphon ⁽²⁾			
100	18	11.9	444	290	30	47	1.28	0.27	A+ C
150	26	17.5	642	426	30	50	1.58	0.22	A+ C
200	29	19.2	708	468	30	50	1.96	0.21	A+ C

Installation dimensions (mm)

Model	Diameter Ø	Dimensions (mm)				Net weight (kg)
		A	B	C	D	
100	570	745	320	300	175	43
150	570	995	500	300	340	57
200	570	1250	700	300	460	71

(1): Forced. Primary temperature of 90°C flow 2m³/h. Secondary circuit 10/45°C.

(2): Thermosiphon: Primary temperature of 90°C flow 2m³/h. Secondary circuit 10/45°C.

Note: Performance levels of the DUOTHERM exchanger are the same as those for the Non-equipped DUOTHERM.

