



M0 sheet-metal jacket



M1 flexible jacket



+ PRODUCT

- Lower coil positioned at 25% of tank height, optimising Cep performance under RE2020
- Diamond-quality coating, resistant to high temperatures and ensuring sanitary protection
- M1 flexible jacket or M0 sheet-metal jacket, with 100 mm insulation
- Immersed coil design optimising heat exchange in the coldest zone of the tank

6 models from 500 to 2,000 L

Supplies

- Steel tank with Diamond-quality sanitary lining
- Enamelled steel heat exchanger coil
- M1 flexible jacket (supplied unmounted) or M0 sheet-metal jacket (factory-mounted), 100 mm insulation
- Insulated bottom
- 1 to 2 magnesium anodes (supplied unmounted)
- 1" 1/4 drain connection at lowest point, on removable Ø112 mm flange
- 3 x 1/2" opening connections
- Thermometer tapping
- Ø112 mm flange or Ø400 mm manhole, with insulation
- Risers for drain connection (except 500 L)
- 2 lifting lugs
- **Operating pressure: 8 bar**

Options & accessories

- Flexible TOP NC jacket: please contact us
- Additional equipment: recirculation loop heater
- Sheathed electric heating element kit, 5 to 30 kW, supplied with safety and control aquastats (factory-set at 65°C, adjustable from 18 to 90°C)

MODELS	USABLE CAPACITY (L)	TANK Ø (mm)	OVERALL HEIGHT WITHOUT SPACERS (mm)	HEIGHT WITHOUT SPACERS (mm)
WITH FLANGE				
Neofirst 500 ●	505	650	-	-
Neofirst 750 ●	749	790	1985	1935
Neofirst 900 ●	881	790	2265	2215
Neofirst 1000	999	790	2510	2460
Neofirst 1500 ●	1392	1000	2265	2215
Neofirst 2000 ●	2031	1250	2180	2130
WITH MANHOLE				
Neofirst 750 ●	750	790	1985	1935
Neofirst 900 ●	881	790	2265	2215
Neofirst 1000	999	790	2510	2460
Neofirst 1500 ●	1392	1000	2265	2215
Neofirst 2000 ●	2031	1250	2180	2130

● : Optional tail-lift ground delivery.

ELECTRIC HEATING ELEMENT KITS

MODELS	VOLTAGE (V)
Opening only, without kit	-
Control aquastat for Neofirst	-
5 kW sheathed electric heating element kit for Neofirst (500 to 2,000 L)	230/400V 3~
10 kW sheathed electric heating element kit for Neofirst (500 to 2,000 L)	230/400V 3~
5 kW sheathed electric heating element kit for Neofirst (750 to 2,000 L)	230/400V 3~
25 kW sheathed electric heating element kit for Neofirst (750 to 2,000 L)	230/400V 3~
30 kW sheathed electric heating element kit for Neofirst (500 to 2,000 L)	400V 3~

A contactor relay and a safety assembly are required (not supplied).

A heating element kit intended for installation on a manhole cannot be ordered separately and must be ordered together with a tank.

TECHNICAL CHARACTERISTICS AND PERFORMANCES

GENERAL CHARACTERISTICS		NEOFIRST MODELS																	
		500		750		900		1000		1500		2000							
Min. tank width (mm)	Flange	680		800		800		800		1015		1265							
	Manhole	-		880		880		880		1055		1270							
Tilting dimension ⁽¹⁾ (mm)		1980		1960		2240		2480		2270		2180							
Minimum clearance for anode installation with spacers (mm)		2250		2385		2965		3210		2965		2680							
Minimum room height for installation (mm)		2150		2185		2465		2710		2465		2380							
Empty tank weight (kg)	Flange	116		166		192		213		301		440							
	Manhole	-		190		217		237		323		462							
Thermal losses ⁽²⁾ Ua (W/K)	SM1	1.472		1.852		2.139		2.250		2.685		3.389							
	TMO	1.311		1.646		1.899		1.997		2.381		3.003							
Usable capacity	L	502		750		881		995		1395		2041							
Pressure drop	mbar	181		198		239		285		314		384							
Primary flow rate	m³/h	4		4		4		4		4		4							
Primary temperature	°C	70	80	90	70	80	90	70	80	90	70	80	90						
Output at 60 °C ⁽³⁾	kW	32	48	63	39	59	77	47	70	91	54	80	103	57	86	111	64	97	127
Continuous flow rate at 60 °C ⁽³⁾	L/h	556	833	1090	670	1008	1320	812	1203	1563	927	1369	1775	988	1472	1913	1109	1670	2179
Heated volume with electric backup - flange (curved heating element)		L	389		564		667		753		1073		1491						
Heating time according to installed curved sheathed heating element power	5 kW	4h27		6h20		7h32		8h32		12h08		16h48							
	10 kW	2h15		3h12		3h49		4h18		6h08		8h30							
	15 kW	-		2h11		2h35		2h55		4h09		5h46							
	25 kW	-		1h18		1h32		1h44		2h29		3h27							
Heated volume with electric backup - flange (straight heating element)		L	342		485		588		673		946		1293						
Heating time with straight sheathed heating element		30 kW	0h39		0h56		1h08		1h18		1h50		2h30						

(1) Spacers not mounted. (2) Storage at 65°C - Room temperature at 20°C. Add 0.176 W/K for manhole models.

(3) Cold water at 10 °C - storage at 60 °C.

DIMENSIONAL SPECIFICATIONS (in mm)

VALUES		CALLOUT	NEOFIRST MODELS					
			500	750	900	1000	1500	2000
TANK CHARACTERISTICS								
Tank diameter		Ø	650	790	790	790	1000	1250
Overall height with spacers		H	1950	1985	2265	2510	2265	2181
Overall height without spacers		HT	1950	1935	2215	2460	2215	2131
Opening height	Flange	C1	770	786	855	925	835	875
	Manhole	C2	-	827	877	949	898	875
Recirculation loop return		E	970	938	1078	1200	1078	1036
Primary circuit coil inlet		B	607	567	637	707	658	635
Primary circuit coil outlet		A	390	385	385	385	476	523
Cold water inlet		D	250	230	230	230	270	320
Height under drain		F	110	60				
Spacer height		R	-	50				
Temperature sensor tapping		1	F 15 / 21					
Thermometer tapping		2	F 15 / 21					
Primary circuit heat exchanger connections		3	F 40 / 49					
Cold water (CW) / hot water (HW) / recirculation return (RR)		4	M 40 / 49					M 50 / 60
Drain		5	F 33 / 42					
HEAT EXCHANGER CHARACTERISTICS								
Heat exchanger	Volume (L)		14.8	18.7	22.7	26.6	29.7	36.3
	Surface (m²)		1.83	2.31	2.79	3.33	3.66	4.48
	Relative height (%)		25	25	24.6	24.8	25	25



Maximum immersion length of glove finger: 120 mm on the lower temperature sensor tapping for the Neofirst model (see tables p. 6).

Neofirst

