

COMPACT DHW SYSTEMS WITH PLATE HEAT EXCHANGER "PREPAC"

STAINLESS STEEL AISI 316L RANGE - FROM 500 TO 3 000L



CE compliance
• 2014/68/UE
• 2014/35/UE



Compact system with integrated plate heat exchanger



Stainless steel AISI 316L tank



Inspection manhole

DESCRIPTION

Tank

- Vertical stainless steel AISI 316L tank with 3 feet.
- Capacity from 500 to 3 000L.
- Maximum working pressure = 7 bar - Test pressure = 10 bar.
- Tappings (in accordance with the following diagram).
- ø 400 mm inspection manhole⁽¹⁾.

⁽¹⁾Note : Compliant with the recommendations of the French General Directorate for Health.

Removable thermal insulation (including the inspection manhole and the bottom of the tank)

Fire proof rating : M1 (Euroclass B)

- High-performance mineral wool - 60 mm thick ($\lambda = 0,032 \text{ W/m/K} - 32 \text{ kg/m}^3$).
- Flexible PVC jacket.

Fire proof rating : M0 (Euroclass A2)

- Rockwool - 50 mm thick ($\lambda = 0,034 \text{ W/m/K} - 40 \text{ kg/m}^3$).
- Isoxal metal sheet jacket.

Equipment

- Removable plate exchanger made of AISI 316 stainless steel.
- AISI 316 L stainless steel connection pipes.
- Secondary stainless steel circulator.
- Double safety thermostat 0/90°C.
- Exchanger/circulator insulation valve.

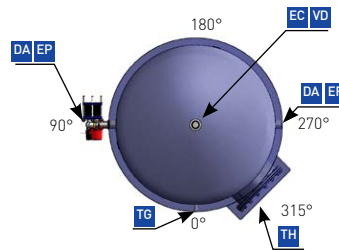
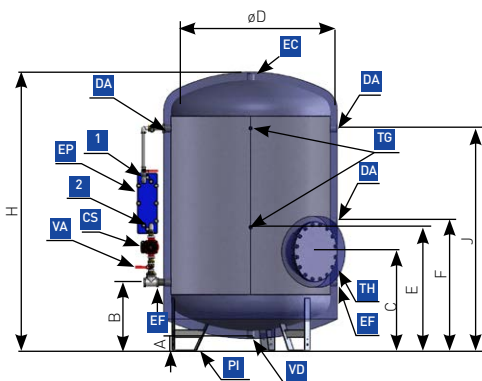
Options

- Accessories kit (thermometer, DN25 safety valve, DN50 drainage valve, air vent valve).
- Upon request : non-standard capacity, dimensions, working pressure and tappings implantation.

Warranties (in accordance with our general conditions of sale)

- Tank = 7 ans - Accessories = 1 year.

DIMENSIONS



- CS Secondary circulator
- DA Outlet/loop return (50/60 G ext. thread)
- EC Hot water outlet (50/60 G ext. thread)
- EF Cold water inlet with deflector (50/60 G ext. thread)
- EP Plate exchanger (DN25 connection)
- PI Support feet
- TG Sleeves 15/21 for thermometers and thermostat
- TH ø 400 mm inspection manhole
- VA Isolating valve
- VD Drainage DN50
- 1 Primary exchanger inlet
- 2 Primary exchanger outlet

Capacity (Litres)*	A (mm)	B (mm)	C (mm)	øD (mm)	E (mm)	F (mm)	G (mm)	H (mm)	TG (G int. thread)	EC-EF (G int. thread) DA-VM (G ext. thread)	Weight (kg)
500	90	410	660	650	860	870	1 420	1 760	DN15	DN50	140
750	90	440	690	800	890	900	1 450	1 820	DN15	DN50	175
1 000	90	440	690	800	890	900	1 940	2 330	DN15	DN50	210

*Note : other models available upon request.

ÉCHANGEURS À PLAQUES

Exchanger power (kW)	Primary 90°C		Second. 10/55°C
	Flow rate (m³/h)	Δ p (mWC*)	Flow rate (m³/h)
41 ⁽¹⁾	1.26	2.90	0.79
49 ⁽¹⁾	1.26	1.69	0.94
66	2.02	2.70	1.26
77 ⁽¹⁾	2.12	2.12	1.48
87 ⁽¹⁾	2.41	2.70	1.66
94	2.59	3.10	1.80
100 ⁽¹⁾	2.52	2.20	1.91
106 ⁽¹⁾	2.48	1.67	2.02

⁽¹⁾Note : other models available upon request.

Exchanger power (kW)	Primary 90°C		Second. 10/55°C
	Flow rate (m³/h)	Δ p (mWC*)	Flow rate (m³/h)
136 ⁽¹⁾	3.71	2.88	2.59
143 ⁽¹⁾	3.89	3.16	2.74
154	3.89	2.61	2.95
222 ⁽¹⁾	5.83	3.09	4.25
252	6.44	2.96	4.82
266 ⁽¹⁾	6.77	3.26	5.08
301 ⁽¹⁾	7.60	3.06	5.76
332	8.24	3.06	6.34

*mWC = Meter of water column.

AVAILABLE MODELS AND PRICES

Capacity (Litres)	Power (kW)	Reference with 60 mm-M1 jacket	Reference with 50 mm-M0 jacket
500	66	INP05066M1V	INP05066M0V
500	94	INP05094M1V	INP05094M0V
500	154	INP05154M1V	INP05154M0V
500	252	INP05252M1V	INP05252M0V
500	332	INP05332M1V	INP05332M0V
750	66	INP07066M1V	INP07066M0V
750	94	INP07094M1V	INP07094M0V
750	154	INP07154M1V	INP07154M0V
750	252	INP07252M1V	INP07252M0V
750	332	INP07332M1V	INP07332M0V
1 000H ⁽²⁾	66	INP10066M1V	INP10066M0V
1 000H ⁽²⁾	94	INP10094M1V	INP10094M0V
1 000H ⁽²⁾	154	INP10154M1V	INP10154M0V
1 000H ⁽²⁾	252	INP10252M1V	INP10252M0V
1 000H ⁽²⁾	332	INP10332M1V	INP10332M0V

⁽²⁾Note : H = High version.

OPTIONS

Reference	Description
KA1S	Accessories kit - DN25 safety valve calibrated at 7-bar - Brass dial thermometer 0/120 C deg - DN50 drainage valve - Air vent valve