



INTERNATIONAL



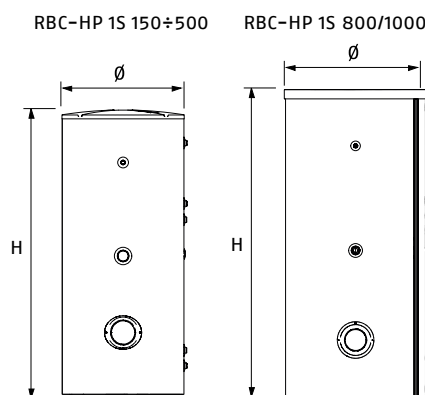
NEW PRODUCT SHEET- RBC-HP 1S

June 2023

Autonomous residential | Centralized residential Service Industry |
Industrial Process

Single coil DHW cylinders

RBC-HP 1S



- Vertical single coil glazed cylinder.
- For domestic hot water production.
- Suitable for pairing with boilers or heat pumps.



Description	H mm	Ø mm	S(+) mm	Net weight kg
RBC-HP 150 1S	1138	604	52	62
RBC-HP 200 1S	1354	604	52	78
RBC-HP 300 1S	1838	604	52	103
RBC-HP 500 1S	1793	755	52	150
RBC-HP 800 1S	1835	974	92	203
RBC-HP 1000 1S	2155	974	92	225

(*) Insulation thickness

Dimensions and weight with insulation

The range of RBC-HP 1S is a multifunctional range able to guarantee the connection between boilers or heat pumps. The cylinders are vertical with a single coil, fully glazed (according to DIN 4753) in order to guarantee high hygienic conditions and to avoid the creation of the limestone.

The range is composed by 6 models, from 150 to 1000 liters (ErP Ready – Energy class efficiency B) and thanks to the shape of the coil and the cylinder, it's possible to obtain a very high performance in heat exchange (with low pressure drops) and fast recovery times.

It's possible to fix a removable coil (optional) for the combination with a solar system.

It's possible to fix a electrical resistance (optional) as back up.

TECHNICAL DATA

Description	Cylinder capacity liters	Exchange surface m²	Coil power input (*) kW	Maximum temperature °C	Maximum pressure bar	Thermal losses (**) W	Energy efficiency class	Notes	Code n.
AIR-WATER SINGLE-PHASE MONOBLOC									
RBC-HP 150 1S	170	0,85	6,3	99	10	55	B		20202962
RBC-HP 200 1S	210	1,38	8,8	99	10	58	B		20203095
RBC-HP 300 1S	305	1,7	12,4	99	10	68	B		20201786
RBC-HP 500 1S	500	2,2	15,8	99	10	84	B		20201984
RBC-HP 800 1S	735	2,5	18,5	99	7	94	-	(1)	20202273
RBC-HP 1000 1S	890	2,9	24,9	99	7	101	-	(1)	20202861

(*) With T = 20 °C and coil delivery temperature of 50 °C

(**) According to EN 12897:2006, Δt = 45 °C (outdoor temperature 20 °C, storage temperature 65 °C).

(1) Insulation to be assembled.

ACCESSORIES

Description		Code n.
Electrical anode kit 1/2"		20055206
Bend kit for electrical anode		20123851
Cylinder thermometer kit		20123850
1.5 kW Single-phase flanged electrical resistance kit (only 150 - 500)	(1)	20119911
2.2 kW Single-phase flanged electrical resistance kit (only 150 - 500)	(1)	20119912
3 kW Single-phase flanged electrical resistance kit (only 150 - 500)	(1)	20119913
3.8 kW Three-phase flanged electrical resistance kit (only 150 - 500)	(1)	20119914
1.5 kW single-phase flanged electrical resistance kit (only 800 - 1000)	(1)	20131666
2.2 kW single-phase flanged electrical resistance kit (only 800 - 1000)	(1)	20131667
3 kW single-phase flanged electrical resistance kit (only 800 - 1000)	(1)	20131669
3.8 kW three-phase flanged electrical resistance kit (only 800 - 1000)	(1)	20131670
1,5 kW Single-phase electrical resistance 1" 1/2		4383270
2,2 kW Single-phase electrical resistance 1" 1/2		4383271
3 kW Single-phase electrical resistance 1" 1/2		4383272
3.8 kW Three-phase electrical resistance 1" 1/2		20020707
6 kW Single-phase electrical resistance 1" 1/2		20079908
Solar heat exchanger 0,8m2 for C-HP 150-300	(1)	20203248
Solar heat exchanger 1,2m2 for C-HP 500	(1)	20203246
Solar heat exchanger 1,9m2 for C-HP 800-1000	(1)	20203245

(1) The electric resistance on the flanged is incompatible with the solar exchanger kit. If you want to install both the solar exchanger and the electric resistance, it is necessary to use the resistances on the 1"1/2 hole.

RECOMMENDED COMBINATIONS – HEATER AND HEAT PUMP

Heater		Heat Pump NXHP							
Description	Code n.	004	006	008	010	012	014	012T	014T
		20197104	20197105	20197106	20197107	20197108	20197109	20197111	20197112
RBC-HP 150 1S	20202962	•	•						
RBC-HP 200 1S	20203095	•	•	•					
RBC-HP 300 1S	20201786	•	•	•	•	•		•	
RBC-HP 500 1S	20201984			•	•	•	•	•	•
RBC-HP 800 1S	20202273					•	•	•	•
RBC-HP 1000 1S	20202861								

For the correct sizing of the heater, please refer to the technical data in the product data sheets.

Heater		Heat Pump NXHM													
Description	Code n.	004	006	008	010	012	014	016	012T	014T	016T	018T	022T	026T	
		20203404	20203407	20203409	20203410	20203649	20203650	20203651	20203652	20203653	20203655	20194140	20194141	20194142	
RBC-HP 150 1S	20202962	●	●												
RBC-HP 200 1S	20203095	●	●	●											
RBC-HP 300 1S	20201786	●	●	●	●	●			●						
RBC-HP 500 1S	20201984			●	●	●	●	●	●	●	●				
RBC-HP 800 1S	20202273					●	●	●	●	●	●	●			
RBC-HP 1000 1S	20202861							●			●	●	●	●	

For the correct sizing of the heater, please refer to the technical data in the product data sheets.

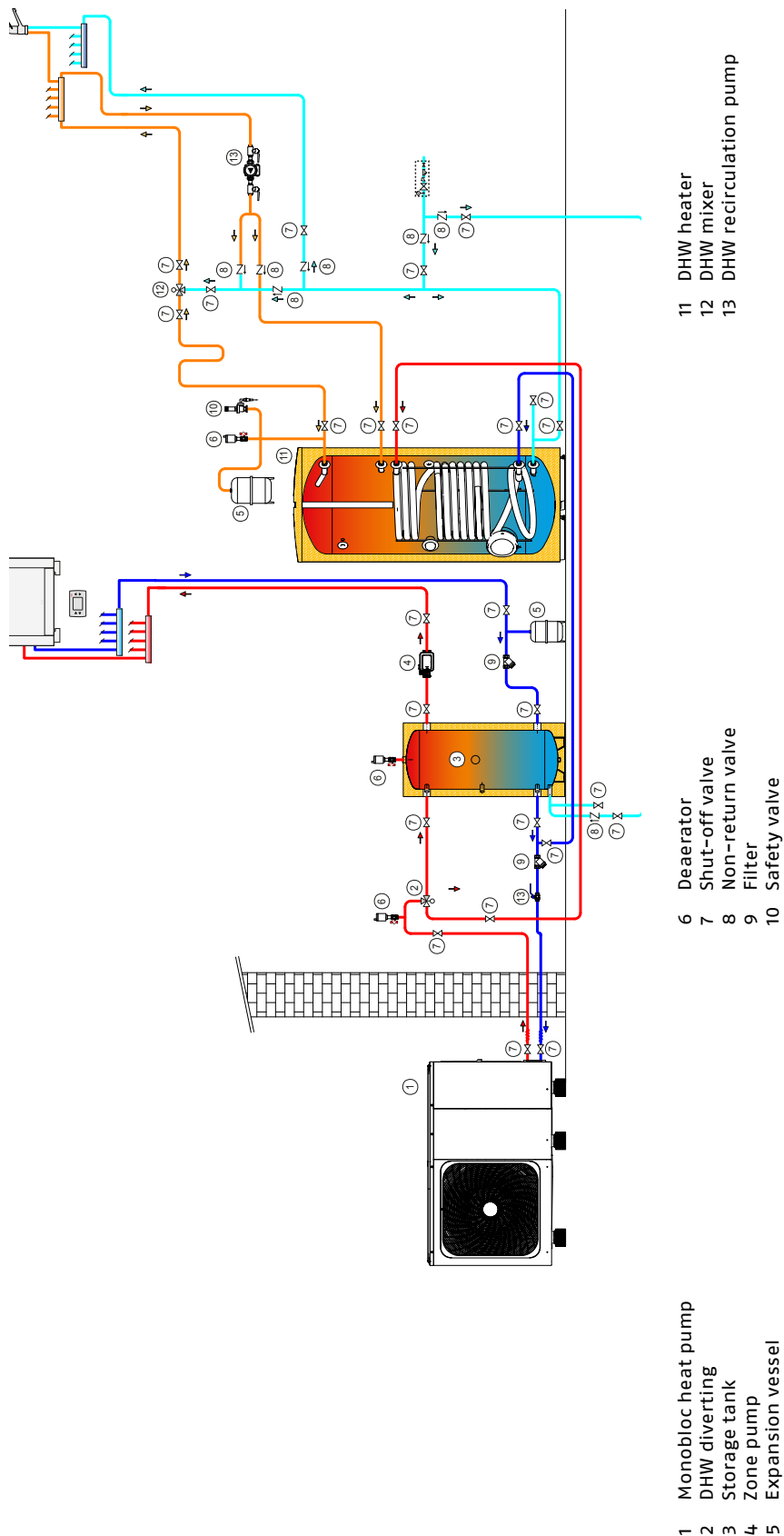
Heater		Heat Pump FAMILY SPRINT									
Description	Code n.	4 M	6 M	8 M	10 M	12 M	14 M	16 M	12 T	14 T	16 T
		20205753	20205755	20205757	20205760	20205766	20205769	20205773	20205778	20205780	20205782
RBC-HP 150 1S	20202962	•	•								
RBC-HP 200 1S	20203095	•	•	•							
RBC-HP 300 1S	20201786	•	•	•	•	•			•		
RBC-HP 500 1S	20201984			•	•	•	•	•	•	•	•
RBC-HP 800 1S	20202273					•	•	•	•	•	•
RBC-HP 1000 1S	20202861							•			•

For the correct sizing of the heater, please refer to the technical data in the product data sheets.

Heater		Heat Pump FAMILY ES							
Description	Code n.	5M	7M	9M	12M	15M	12T	15T	18T
		20204781	20204782	20204783	20204784	20204785	20204786	20204787	20204788
RBC-HP 150 1S	20202962	•							
RBC-HP 200 1S	20203095	•	•						
RBC-HP 300 1S	20201786	•	•	•					
RBC-HP 500 1S	20201984		•	•	•	•	•		
RBC-HP 800 1S	20202273			•	•	•	•	•	
RBC-HP 1000 1S	20202861								•

For the correct sizing of the heater, please refer to the technical data in the product data sheets.

MONOVALENT HEATING, COOLING AND DHW PRODUCTION SYSTEM COMBINED WITH HEAT PUMP



NOTE

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NEW PRODUCT SHEET



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