



HYGIENIC COMBI TANK HYG R2

for Production and Storage of hot water for space heating and domestic sanitary hot water.

A **HYGIENIC COMBI TANK** is a special unit combining a buffer for space heating and a water heater for sanitary DHW. It is an easy to install two-in-one solution. It delivers sanitary-grade domestic hot water and circulating water for space heating. It allows utilization of up to 3 external heat sources and an internal electrical back-up heater.

Product Features

Range of volumes of 500/20, 800/33, 1000/33, 1500/49 liters

Coil type DHW tank of stainless steel. The domestic water is heated in a corrugated tube of stainless steel with excellent heat exchanging and sanitary qualities.

- Due to the instant heating principle applied, the produced hot water is free from depositions.
- The coil material AISI316L is a guarantee for no contaminations in the water.

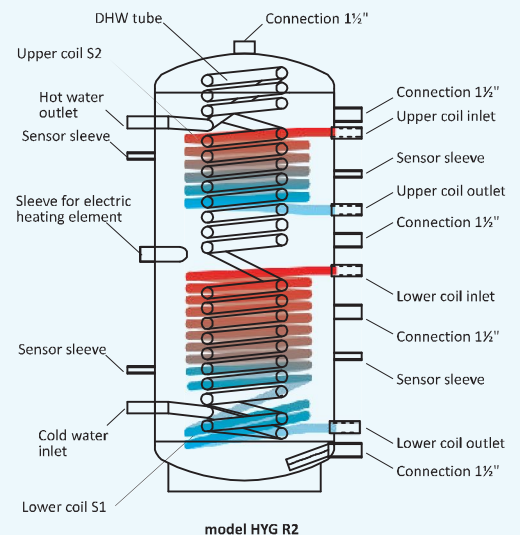
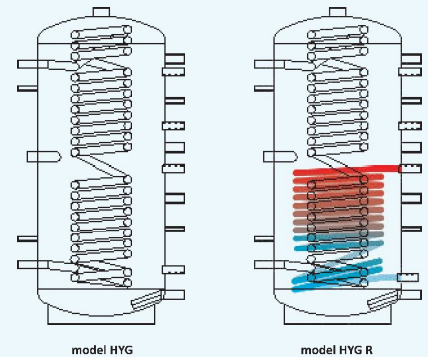
Primer coated on the outside

CFC free soft PU-foam insulation with thickness of 100 mm and PVC coating in RAL 9006 or other colors on demand

All threads are internal

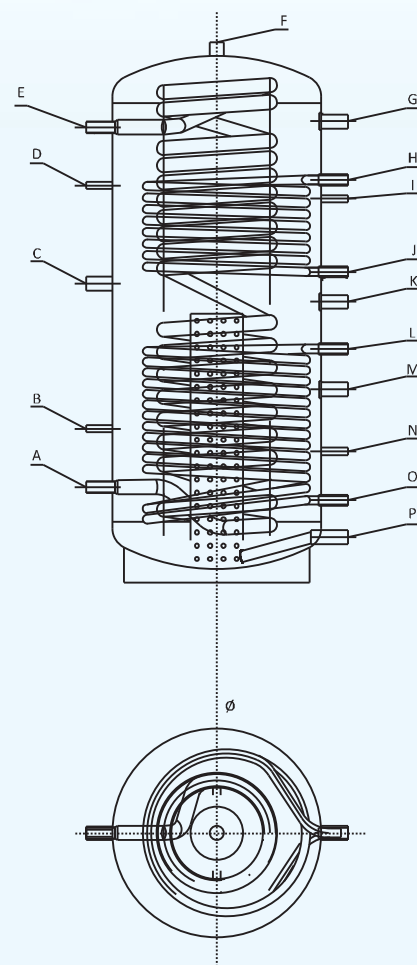
Two heat exchanger coils for combining multiple types of heat sources

Option for installing an electrical heating element as a back-up source of heat



Technical specifications:

Model		HYG R2 500/20	HYG R2 800/33	HYG R2 1000/33	HYG R2 1500/49
Volume	l	500	800	1000	1500
Diameter / w. insulation	mm	650/850	790/990	790/990	1000/1200
Height / w. insulation	mm	1610/1660	1860/1910	2010/2090	2170/2220
Mounting height	mm	1640	1900	2075	2220
Lower coil S1 Heat exchanging surface Volume	m ² l	1.7 10.5	2.9 17.9	3.0 18.5	3.4 21
Upper coil S2 Heat exchanging surface Volume	m ² l	1.0 6.2	1.8 11.1	2.0 12.3	2.4 14.8
Operating pressure / Coils temperature	bar/°C	16/110	16/110	16/110	16/110
Operating pressure / Buffer temperature	bar/°C	3/95	3/95	3/95	3/95
Operating pressure / DHW tube temp.	bar/°C	6/95	6/95	6/95	6/95
DHW tube inlet/outlet 1"	m ²	4.5	7.5	7.5	11
DHW tube volume	l	20	33	33	49
Single discharge capacity (hot w. up to 38 °C) when the backup tank is charged to 60 °C	l	375	580	790	1150
ΔT (temp. difference between buffer and outgoing DHW at flow rate 30 l/min)	K	6	3.5	3.5	2
ΔT (temp. difference between buffer and outgoing DHW at flow rate 40 l/min)	K	8	5	5	3
ΔT (temp. difference between buffer and outgoing DHW at flow rate 50 l/min)	K	12	8	8	5
Continuous outflow 10/45 °C when the backup tank is charged to 65°C with boiler size	l KW	1350 44	1750 57	2300 75	3500 114
Cold water inlet 1"	A	275	330	360	392
Sensor sleeve ½"	B	410	570	580	875
Sleeve for heating element 1 ½"	C	790	920	1130	1130
Sensor sleeve ½"	D	1120	1290	1500	1500
Hot water outlet 1"	E	1308	1486	1581	1700
Connection 1 ½"	F	1610	1860	2040	2170
Connection 1 ½"	G	1370	1573	1742	1808
Upper coil inlet 1"	H	1270	1389	1521	1653
Sensor sleeve ½"	I	1120	1290	1450	1525
Upper coil outlet 1"	J	990	1071	1172	1305
Connection 1 ½"	K	880	980	1060	1085
Lower coil inlet 1"	L	770	820	880	895
Connection 1 ½"	M	620	670	730	765
Sensor sleeve ½"	N	460	465	495	520
Lower coil outlet 1"	O	250	310	310	375
Connection 1 ½"	P	150	170	170	235
Weight	kg	151	203	238	375



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