



### HOT WATER STORAGE TANKS WITH HEAT EXCHANGER, FOR INSTALLATION ON THE FLOOR [1]

#### TECHNICAL DATA

Model	...	FV15060S	FV20060S	FV30067S	FV50080S	FV75011S	FV10011S
Volume group	...	150	200	300	500	750	1000
Energy efficiency class	...	B	B	B	B	-	-
Standing loss heat	W	46	48	50	71	63	80
Rated pressure	MPa	0.8	0.8	0.8	0.8	0.6	0.6
Volume	L	145	186	264	476	738	936
Insulation thickness	mm	75	75	85	80	125	125
Gross weight	kg	60	73	86	150	229	264
<b>HEAT EXCHANGER (main heat)</b>							
Operating pressure	MPa	1	1	1	1	1	1
Maximum temperature of the heating fluid	°C	110	110	110	110	110	110
Maximum temperature in the tank heated by a heat exchanger. Unit without / with back-up immersion electric heater.	°C	95 / 85	95 / 85	95 / 85	95 / 85	95 / 85	95 / 85
Surface area	m <sup>2</sup>	0.67	0.90	1.12	1.85	2.03	3.04
Volume	L	3.2	4.3	5.4	12.2	13.3	20
NL [2]	...	---	3.6	8	15	19	30
Continuous output according DIN 4708	kW	---	25	35	58	65	94
Flow rate according DIN 4708	L/min	---	10	14	24	27	39
Power according EN 12897	kW	13.7	18.6	19.3	25	26.2	34
Heat-up time according EN 12897	min	21	28.8	39.4	54.9	76.6	77
Pressure loss	mbar	80	120	50	35	50	70
Maximum amount of drained water MIX 40 °C according EN 12897 when the power is off	L	158	286	406	699	1058	1390
<b>ELECTRICAL PART (auxiliary heating)</b>							
Rated voltage	V	0 / 230~	0 / 230~	0 / 230~ / 400 3N~	0 / 230~ / 400 3N~	0 / 400 3N~	0 / 400 3N~
Rated electrical power	kW	0 / 3	0 / 3	0 / 3 / 6 / 9	0 / 3 / 6 / 9	0 / 9 / 12	0 / 9 / 12
Time of heating with electric resistance heater up to 70°C [3]	min	--- / 200	--- / 260	--- / 370 / 180 / 120	--- / 660 / 330 / 220	--- / 340 / 260	--- / 440 / 330
Maximum temperature in the tank of heated with electric resistance heater	°C	75	75	75	75	75	75

#### CONNECTIONS

	Yes	Yes	Yes	Yes	Yes	Yes
1: Thermometer						
4: Additional socket	G1 1/2 F	G1 1/2 F	G1 1/2 F	G1 1/2 F	G1 1/2 F	G1 1/2 F
5: S1 - Feed	G3/4 F	G3/4 F	G3/4 F	G1 F	G1 F	G1 F
6: S1 - Return	G3/4 F	G3/4 F	G3/4 F	G1 F	G1 F	G1 F
7: Flange with a heating element	Yes	Yes	Yes	Yes	Yes	Yes
8: Socket for thermostat	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F
9: Fresh water inlet - Drain	G3/4 F	G3/4 F	G3/4 F	G1 F	G1 1/2 F	G1 1/2 F
10: Recirculation	G3/4 F	G3/4 F	G3/4 F	G3/4 F	G3/4 F	G3/4 F
11: Hot water outlet	G3/4 F	G3/4 F	G3/4 F	G1 F	G1 1/2 F	G1 1/2 F
12: Hot water outlet	G3/4 F	G3/4 F	G3/4 F	G1 1/4 F	G1 1/4 F	G1 1/4 F

#### DIMENSION

	mm	210	210	210	265	330	330
A	mm	210	210	210	265	330	330
B	mm	260	260	265	320	420	420
C	mm	660	855	840	1000	950	1110
D	mm	600	600	670	800	1100	1100
G	mm	75	75	85	80	125	125
H	mm	1150	1430	1605	1765	1675	2020
I	mm	355	550	530	630	470	630
M	mm	690	690	760	890	1200	1200
P	mm	890	1155	1315	1425	1280	1620

1. All values in the table are approximate.

2. The declared values of the NL coefficient are determined according to DIN 4708 under the following conditions:

- Water temperature entering inlet pipe of the appliance heat exchanger - 80 ° C.
- Cold water temperature entering the appliance - 10 ° C.
- Water heating temperature in the appliance - 60 ° C.

3. The heat-up time with the electric resistance heater is for actual capacity.

Note : Transformation of the coefficient of performance at different water temperatures in the tank:

- 65 ° C - 1,0\*NL
- 55 ° C - 0,75\*NL
- 50 ° C - 0,55\*NL
- 45 ° C - 0,3\*NL