



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

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

### TECHNICAL DATA

Model	...	FV15060S2	FV20060S2	FV30067S2	FV50080S2	FV75011S2	FV10011S2
Volume group	...	150	200	300	500	750	1000
Energy efficiency class	...	B	B	B	B	-	-
Standing loss heat	W	47	49	52	76	67	82
Rated pressure	MPa	0.8	0.8	0.8	0.8	0.6	0.6
Volume	L	141	184	258	465	721	920
Insulation thickness	mm	75	75	85	80	125	125
Gross weight	kg	65	84	99	166	253	292
<b>HEAT EXCHANGERS (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
<b>Heat exchanger S1</b>							
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 S1 is off	L	158	286	406	699	1058	1390
<b>Heat exchanger S2</b>							
Surface area	m <sup>2</sup>	0.3	0.38	0.86	1.15	1.22	2.03
Volume	L	1.4	1.8	4.2	7.6	8	13.3
NL [2]	...	---	1	1.8	2.3	5	16
Continuous output according DIN 4708	kW	---	10	25	32	35	57
Flow rate according DIN 4708	L/min	---	4.2	10	13	14	23
Power according EN 12897	kW	7	8.7	18.3	21.4	19.7	28
Heat-up time according EN 12897	min	19.5	23	18.6	29.6	49.5	42
Pressure loss	mbar	80	15	55	55	20	40
Maximum amount of drained water MIX 40 °C according EN 12897 when the power S2 is off	L	75	107	175	327	519	650
<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	--- / 360 / 180 / 120	--- / 650 / 320 / 220	--- / 340 / 250	--- / 430 / 320
Maximum temperature in the tank of heated with electric resistance heater	°C	75	75	75	75	75	75
<b>CONNECTIONS</b>							
1: Thermometer		Yes	Yes	Yes	Yes	Yes	Yes
2: S2 - Feed		G3/4 F	G3/4 F	G3/4 F	G1 F	G1 F	G1 F
3: S2 - Return		G3/4 F	G3/4 F	G3/4 F	G1 F	G1 F	G1 F
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
<b>DIENSION</b>							
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
E	mm	705	900	885	1045	990	1150
G	mm	75	75	85	80	125	125
H	mm	1150	1430	1605	1765	1675	2020
I	mm	355	550	530	630	470	630
J	mm	160	230	400	380	290	470
M	mm	690	690	760	890	1200	1200
P	mm	890	1155	1315	1425	1280	1620