



WATER HEATER WITH TWO HEAT EXCHANGERS, FOR INSTALLATION ON THE FLOOR [1]

TECHNICAL DATA

Model	...	FV75010FS2	FV10010FS2	FV15013FS2	FV20014FS2
Volume group	...	750	1000	1500	2000
Rated pressure	MPa	0.6	0.6	0.8	0.8
Volume	L	721	920	1455	1978
Insulation thickness	mm	80	80	100	100
Gross weight	kg	243	278	408	515
HEAT EXCHANGERS (main heat)					
Operating pressure	MPa	1	1	1	1
Maximum temperature of the heating fluid	°C	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
Heat exchanger S1					
Surface area	m ²	2.03	3.04	3.04	4.25
Volume	L	13.3	20	20	27.9
NL [2]	...	19	30	35	45
Continuous output according DIN 4708	kW	65	94	91	130
Flow rate according DIN 4708	L/min	27	39	38	54
Power according EN 12897	kW	26.2	34	31	41
Heat-up time according EN 12897	min	76.6	77	117	111
Pressure loss	mbar	50	70	70	80
Maximum amount of drained water MIX 40 °C according EN 12897 when the power S1 is off	L	1058	1390	1934	2515
Heat exchanger S2					
Surface area	m ²	1.22	2.03	2.03	2.73
Volume	L	8	13.3	13.3	18
NL [2]	...	5	16	18	20
Continuous output according DIN 4708	kW	35	57	56	76
Flow rate according DIN 4708	L/min	14	23	23	31
Power according EN 12897	kW	19.7	28	26	33
Heat-up time according EN 12897	min	49.5	42	50	60
Pressure loss	mbar	20	40	30	50
Maximum amount of drained water MIX 40 °C according EN 12897 when the power S2 is off	L	519	650	712	1085
ELECTRICAL PART (auxiliary heating)					
Rated voltage	V	0 / 400 3N~	0 / 400 3N~	0 / 400 3N~	0 / 400 3N~
Rated electrical power	kW	0 / 9 / 12	0 / 9 / 12	0 / 9 / 12	0 / 9 / 12
Time of heating with electric resistance heater up to 70°C [3]	min	--- / 280 / 210	--- / 368 / 277	--- / 540 / 405	--- / 730 / 550
Maximum temperature in the tank of heated with electric resistance heater	°C	75	75	75	75

CONNECTIONS

	FV75010FS2	FV10010FS2	FV15013FS2	FV20014FS2
1: Thermometer	Yes	Yes	Yes	Yes
2: S2 - Feed	G1 F	G1 F	G1 F	G1 F
3: S2 - Return	G1 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
5: S1 - Feed	G1 F	G1 F	G1 F	G1 F
6: S1 - Return	G1 F	G1 F	G1 F	G1 F
7: Flange with a heating element	Yes	Yes	Yes	Yes
8: Socket for thermostat	G1/2 F	G1/2 F	G1/2 F	G1/2 F
9: Fresh water inlet - Drain	G1 1/2 F	G1 1/2 F	G2 F	G2 F
10: Recirculation	G3/4 F	G3/4 F	G2 F	G2 F
11: Hot water outlet	G1 1/2 F	G1 1/2 F	G2 F	G2 F
12: Additional socket	-	-	G1 1/2 F	G1 1/2 F
13: Hot water outlet	G1 1/4 F	G1 1/4 F	G2 F	G2 F

DIMENSION

	mm	FV75010FS2	FV10010FS2	FV15013FS2	FV20014FS2
A	mm	330	330	395	415
B	mm	420	420	445	465
C	mm	950	1110	1215	1255
D	mm	1010	1010	1250	1400
E	mm	990	1150	1265	1285
G	mm	80	80	100	100
H	mm	1655	2000	2210	2255
I	mm	470	630	730	730
J	mm	290	470	470	470
K	mm	1110	1110	1385	1535
P	mm	1280	1620	1755	1775

- All values in the table are approximate.
- 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.
- 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