



### HOT WATER STORAGE TANK WITH HEAT EXCHANGER, FOR FLOOR MOUNTING, DESIGNED FOR GAS BOILERS

#### TECHNICAL DATA

Model	...	FV08046TST	FV10046TST	FV12046TST
Volume group	...	80	100	120
Energy efficiency class	...	B	B	B
Standing loss heat	W	45	48	50
Rated pressure	MPa	0.6	0.6	0.6
Volume	L	75	89	108
Insulation thickness	mm	33	33	33
Gross weight	kg	36.5	44.5	52
<b>HEAT EXCHANGER</b>				
Operating pressure	MPa	1	1	1
Maximum temperature of the heating fluid	°C	110	110	110
Maximum temperature in the tank heated by a heat exchanger	°C	95	95	95
Surface area	m <sup>2</sup>	0.74	1.03	1.31
Volume	L	3.6	5	6.4
Power according EN 12897	kW	14.9	19	23.1
Heat-up time according EN 12897	min	11	11.5	10
Pressure loss	mbar	65	75	90
Maximum amount of drained water MIX 40 °C according EN 12897 when the power is off	L	87	117	121

#### CONNECTIONS

	FV08046TST	FV10046TST	FV12046TST
1: Hot water outlet	G3/4 M	G3/4 M	G3/4 M
2: Cold water inlet	G3/4 M	G3/4 M	G3/4 M
3: Circulation	G3/4 F	G3/4 F	G3/4 F
4: Heating exchanger - Feed	G3/4 M	G3/4 M	G3/4 M
5: Heating exchanger - Return	G3/4 M	G3/4 M	G3/4 M
6: Drain	G3/4 F	G3/4 F	G3/4 F
7: Temperature indicator	Yes	Yes	Yes
8: Control panel for heat exchanger	Yes	Yes	Yes

#### DIMENSIONS

	mm	FV08046TST	FV10046TST	FV12046TST
C	mm	555	470	385
H	mm	835	1005	1170

- 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