

Data sheet

RGMAT E G60 Pump Station

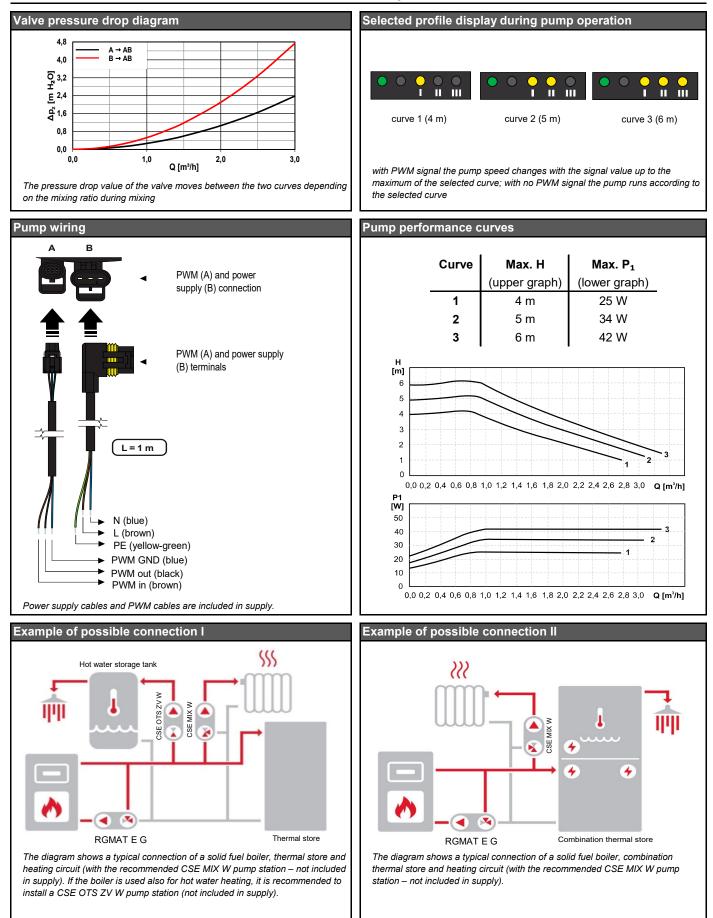
RGMATE G60 Pump Station		
	Main features	
	Description	This Load Unit is intended for systems with solid-fuel boilers and fireplaces. The Load Valve integrated in the Load Unit keeps the min. incoming temperature to a boiler/fireplace above the flue gas condensation temperatures, which prevents lowtemperature corrosion of the boiler combustion chamber. This way the Load Unit contributes to a significant reduction in tarring and boiler fouling, to an increase in the efficiency of fuel combustion and to extension of the boiler service life. The Load Unit consists of: • Grunfos UPM3 FLEX AS Pump • pipe fittings w. shut-off ball valve • TSV3B Load Valve with automatic bypass balancing • thermometer • insulation
	Working fluid	water, water-glycol mix (max. 1:1) or water-glycerine mix (max. 2:1)
	Installation	on return pipe, min. pipe centre distance from wall = 100 mm
Code		boiler output
19083 for 45 °C valve opening temperature		max. 46 kW
19090 for 50 °C valve opening temperature		max. 42 kW
19086 for 55 °C valve opening temperature		max. 36 kW
19092 for 60 °C valve opening temperature		max. 32 kW
19089 for 65 °C valve opening temperature		max. 26 kW
19091 for 70 °C valve opening temperature		max. 22 kW
Technical Data		
Fluid working temperature		5 - 95 °C
Max. working pressure		6 bar
Min. working pressure		0,5 bar
Ambient working temperature		5 – 40 °C
Max. relative humidity		80 % non condensing
Control Range of the Load Valve		opening temperature + 5 °C
Load Valve Kvs (direction A ►AB)		6,2 m³/h
Load Valve Kvs (direction B ►AB)		4,4 m³/h
Max. pump speed		5766 rpm
Pump motor protection		not needed
Overall dimensions		
		325 x 140 x 220 mm
Total weight		3,25 kg
Total weight		3,25 kg
Total weight Connection		3,25 kg
Total weight Connection Electric data		3,25 kg 3 x G 1" F
Total weight Connection Electric data Power supply		3,25 kg 3 x G 1" F 230 V, 50 Hz
Total weight Connection Electric data Power supply Power input (min./max.)		3,25 kg 3 x G 1" F 230 V, 50 Hz 2/42 W
Total weight Connection Electric data Power supply Power input (min./max.) Current (min./max)		3,25 kg 3 x G 1" F 230 V, 50 Hz 2/42 W 0,04/0,40 A
Total weight Connection Electric data Power supply Power input (min./max.) Current (min./max) IP rating Energy efficiency index		3,25 kg 3 x G 1" F 230 V, 50 Hz 2/42 W 0,04/0,40 A IP44
Total weight Connection Electric data Power supply Power input (min./max.) Current (min./max) IP rating		3,25 kg 3 x G 1" F 230 V, 50 Hz 2/42 W 0,04/0,40 A IP44 ≤ 0.20 per EN 16 297/3
Total weight Connection Electric data Power supply Power input (min./max.) Current (min./max) IP rating Energy efficiency index Materials		3,25 kg 3 x G 1" F 230 V, 50 Hz 2/42 W 0,04/0,40 A IP44
Total weight Connection Electric data Power supply Power input (min./max.) Current (min./max) IP rating Energy efficiency index Materials Insulation		3,25 kg 3 x G 1" F 230 V, 50 Hz 2/42 W 0,04/0,40 A IP44 ≤ 0.20 per EN 16 297/3 EPP RG 60 g/I

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