

Data sheet

- 1/2 v1.6_06/2021

RGMAT EA G 5/4 Pump Station

	Main features	
<image/> <image/>	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 • TSV5 valve (with manual by-pass 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*
16399 for 65 °C valve opening temperature		max. 50 kW
16400 for 72 °C valve opening temperature		max. 50 kW
* at ΔT 20 K and balancing valve fully open		
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)		7,0 m³/hod
Load Valve Kvs (direction B ►AB)		11,5 m³/hod
Max. pump speed		5991 rpm
Pump motor protection		not needed
Overall dimensions		305 x 145 x 220 mm
Total weight		3,7 kg
Electric data		
Power supply		230 V, 50 Hz
Power input (min./max.)		2/60 W
Current (min./max)		0,04/0,58 A
IP rating		IP44
Energy efficiency index		≤ 0.20 per EN 16 297/3
Materials		
Insulation		EPP RG 60 g/l

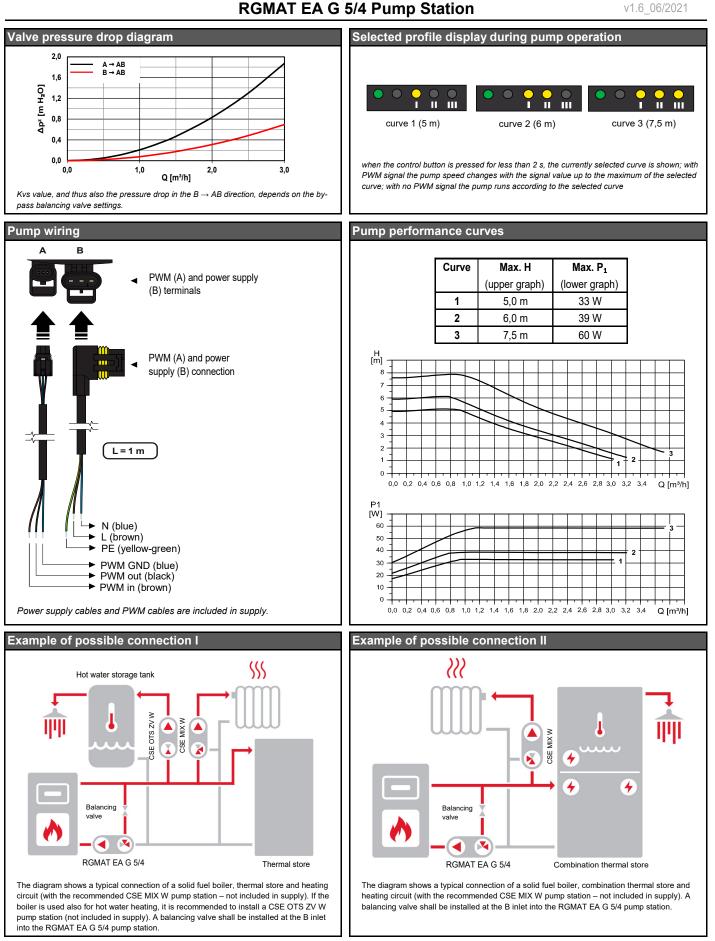
Load Valve and fittings

brass



Data sheet

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