

Data sheet

- 1/3 v1.4_04/2020

RGMAT EA G 5/4 Pump Station





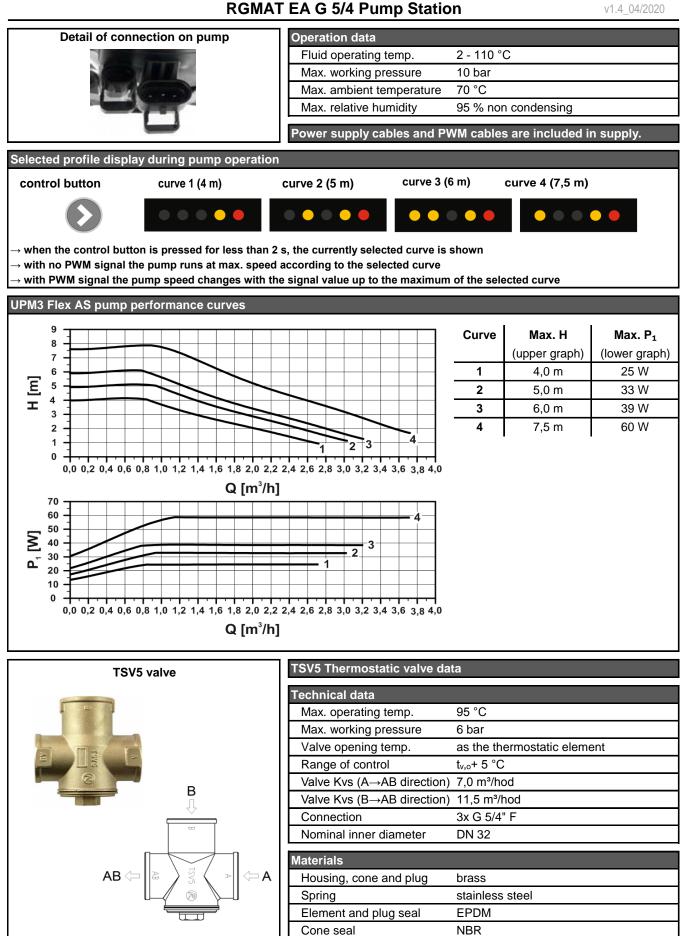
Main features		
Application	keeping water temperature at boiler (fire) inlet by means of a thermostatic valve	
Description	consists of UPM3 FLEX AS pump, TSV5 valve (with manual by-pass balancing), thermometer, insulation	
Function	pump station for solid-fuel boilers and fires, prevents low-temperature corrosion and boiler clogging	
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; for proper operation it is necessary to install a valve at the B inlet to balance flowrate	
Code	max. boiler output	
16400 for 45 °C valve opening temperature	max. 50 kW at ΔT 20 K and balancing valve fully open	
16399 for 50 °C valve opening temperature	max. 50 kW at ∆T 20 K and	d balancing valve fully open
Connection of UPM3 Flex AS Pump Pump Station Technical Data		
A B PWM (A) and power supply (B) connection	Fluid operating temp.	2 - 95 °C
	Max. working pressure	6 bar
	Ambient temperature	70 °C
	Max. relative humidity	95 % non condensing
	Power supply	230 V, 50 Hz
	Insulation material	EPP RG 60 g/l
	Overall dimensions	305 x 145 x 220 mm
ŦŦ	Total weight	3,7 kg
	Connection	3 x G 5/4" F
PWM (A) and power		
supply (B) terminals	Accessories By-pass with non-return val	W code 16139
Y 🖷		
	UPM3 Flex AS 25-75 130 Pt	Imp Data
=	Electric data	
-√ (L=1m)	Power supply	230 V, 50 Hz
	Power input (min./max.)	2/60 W
	Current (min./max)	0,04/0,58 A
I /	IP rating	IP44
	Max. speed	5991 rpm
	Weighted average power	≤ 28 W
III I ⊢→ N (blue) L (brown)	Energy efficiency index	≤ 0.20 per EN 16 297/3
PE (yellow-green)	Motor protection	not needed
PWM GND (blue)	Min. pressure at pump suction port to avoid cavitation	
► PWM out (black) ► PWM in (brown)		0.5 mH₂O at 75 °C
	Min. pressures at pump suction port	5.1 mH₂O at 95 °C
		11 mH₂O at 110 °C



Data sheet

v1.4 04/2020

- 2/3 -





Data sheet

RGMAT EA G 5/4 Pump Station

- 3/3 v1.4_04/2020



