E-mail: sales@regulus.eu

Web: www.regulus.eu



Data sheet

RGMAT E G 5/4 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 • TSV5B 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	
16395 for 55 °C valve opening temperature	max. 53 kW	
16397 for 65 °C valve opening temperature	max. 38 kW	
Technical Data		
Fluid working temperature	5 - 95 °C	
A4 1:		

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/h	
Load Valve Kvs (direction B ►AB)	4,9 m³/h	
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
Thermostatic element and plug seal	EPDM
Load Valve cone seal	NBR

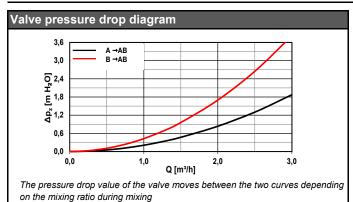
Tel.: +420 241 765 191

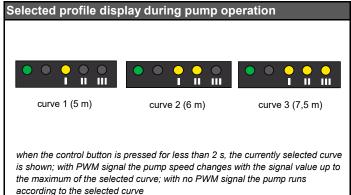
Fax: +420 241 763 976

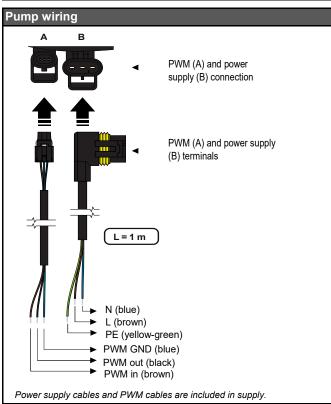


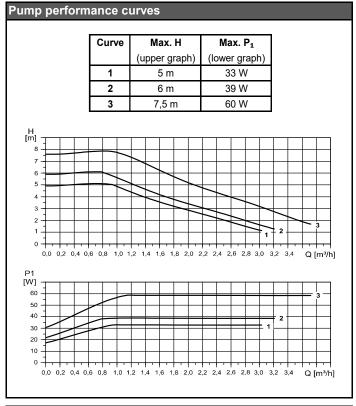
Data sheet

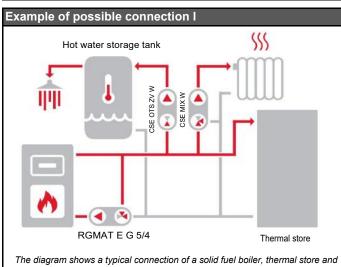
RGMAT E G 5/4 Pump Station





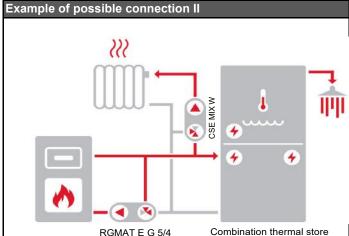






heating circuit (with the recommended CSE MIX W pump station - not included

in supply). If the boiler is used also for hot water heating, it is recommended to



The diagram shows a typical connection of a solid fuel boiler, combination thermal store and heating circuit (with the recommended CSE MIX W pump station – not included in supply).

install a CSE OTS ZV W pump station (not included in supply).

Tel.: +420 241 765 191 Fax: +420 241 763 976

E-mail: sales@regulus.eu Web: www.regulus.eu