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



DATA SHEET

RGMAT E W8 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 low-temperature 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: •Wilo PARA 25/8 SC Pump •TSV5B Load Valve with automatic bypass balancing •thermometer •insulation
Working fluid	water; water/glycol mixture (max. 1:1) or water-glycerine mixture (max. 2:1)
Installation	on return piping, min. dist. of the pipe axis from a wall is 100 mm

Codes	boiler output
18684 for valve opening temperature 55 °C	max. 55 kW
18663 for valve opening temperature 65 °C	max. 40 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	
Insulation material	EPP RG 60 g/l	
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	4800 rpm	
Pump speed control	frequency converter	
Pump motor protection	integrated	
Overall dimensions	325 x 140 x 220 mm	
Total weight	3,27 kg	
Connections	3 x G 5/4" F	

Electric Data	
Power supply	230 V, 50 Hz
Power input (min./max.)	2/75 W
Current (min./max)	0,03/0,66 A
Energy Efficiency Index	≤ 0,21 by EN 16 297/3
IP rating	IPX4D

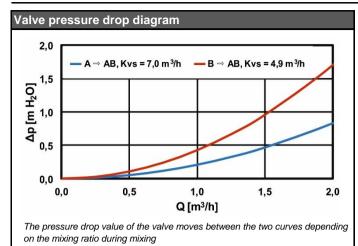
Tel.: +420 241 765 191

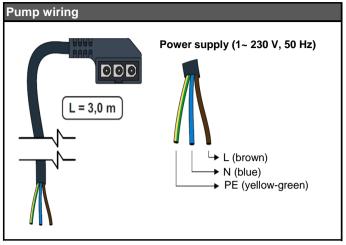
Fax: +420 241 763 976

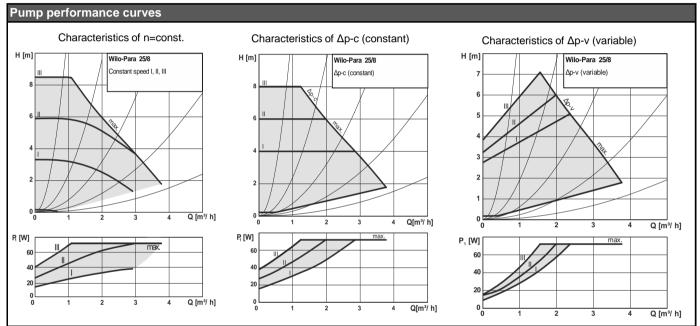


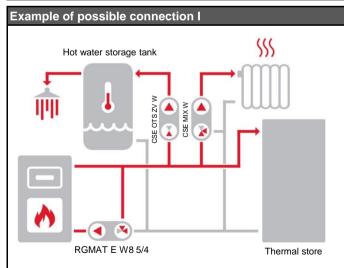
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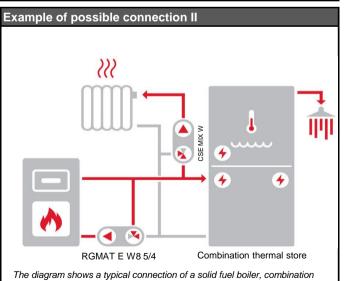








The diagram shows a typical connection of a solid fuel boiler, thermal store and heating circuit (with the recommended CSE MIX W pump station – not included in supply). If the boiler is used also for hot water heating, it is recommended to install a CSE OTS ZV W pump station (not included in supply).



thermal store and heating circuit (with the recommended CSE MIX W pump

station - not included in supply).

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