

## **Data sheet**

## **RGMAT E W6 1F KK 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 is completed with a set of three ball valves with union nut to facilitate repair or removing individual components without draining the system. The Load Unit consists of:  • Wilo PARA 25/6 SC Pump  • TSV5B Load Valve w. outer threads and automatic bypass balancing  • 3 ball valves with union nut  • 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	
19015 for valve opening temperature 55 °C	max. 45 kW	
19016 for valve opening temperature 65 °C	max. 32 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)	7 m³/h	
Load Valve Kvs (direction B ►AB)	6 m³/h	
Max. pump speed	4300 rpm	
Pump speed control	frequency converter	
Pump motor protection	integrated	
Overall dimensions	350 x 185 x 155 mm	
Total weight	4,2 kg	
Connections	3 x G 1" F	

Electric Data	
Power supply	230 V, 50 Hz
Power input (min./max.)	3/43 W
Current (min./max)	0,04/0,44 A
IP rating	IPX4D
Energy Efficiency Index	≤ 0,21 by EN 16 297/3

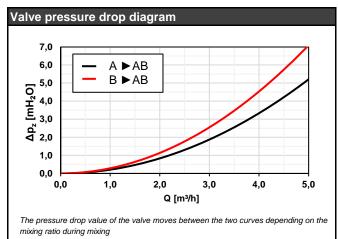
Materials				
Insulation	EPP RG 60 g/l			
Load Valve and fittings	brass			
Thermostatic element and plug seal	EPDM			
Load Valve cone seal	NBR			

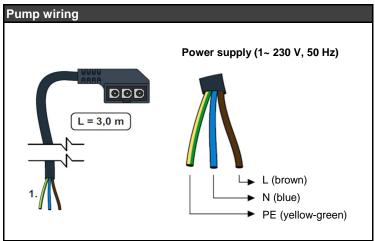
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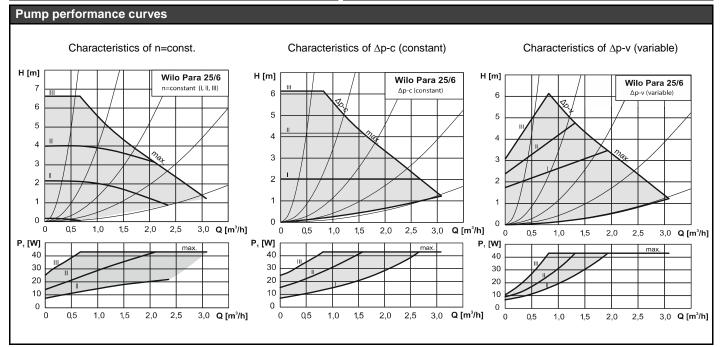


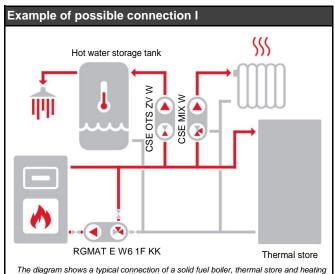
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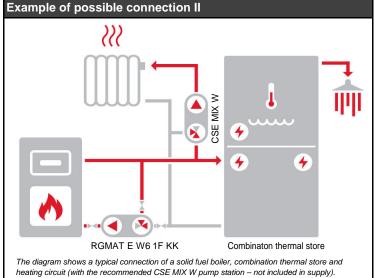






circuit (with the recommended CSE MIX W pump station - not included in supply). If the

boiler is used also for hot water heating, it is recommended to install a CSE OTS ZV  $\it W$ 



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pump station (not included in supply).

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