

## **Data sheet**

### **RGMAT EA W 5/4 Pump Station**

v1.2\_04/2020



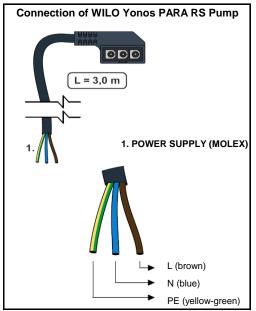


Main features	
Application	keeping water temperature at boiler (fire) inlet by means of a thermostatic valve
Description	consists of Wilo Yonos PARA RS 25/7.5 RKC pump, TSV5 load valve (with manual by-pass balancing), thermometer, insulation
Function	pump station for solid-fuel boilers and fires, prevents 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
16032 for 72 °C valve opening temperature	max. 50 kW at ΔT 20 K and a fully open balancing valve
16037 for 65 °C valve opening temperature	max. 50 kW at $\Delta T$ 20 K and a fully open balancing valve

Pump Station Technical Data		
Fluid operating temp.	0 - 95 °C	
Max. working pressure	6 bar	
Ambient temperature	58 °C	
Power supply	230 V, 50 Hz	
Insulation material	EPP RG 60 g/l	
Overall dimensions	325 x 140 x 220 mm	
Total weight	3,7 kg	
Connection	3 x G 5/4" F	

# Accessories By-pass with non-return valve code 16139



Wilo Yonos PARA RS 25/7.5 Pump Data		
230 V, 50 Hz		
4/75 W		
0,04/0,66 A		
IPX4D		
4770 rpm		
≤ 0.21 per EN 16 297/3		
integrated		
	230 V, 50 Hz 4/75 W 0,04/0,66 A IPX4D 4770 rpm ≤ 0.21 per EN 16 297/3	

Min. pressures at pump suction port to avoid cavitation		
Min. pressures at the suction	0.5 mH <sub>2</sub> O at 50 °C	
port	4.4 mH <sub>2</sub> O at 95 °C	

Operation data	
Fluid operating temp.	0 - 100 °C at 58 °C ambient temp.
Max. working pressure	6 bar
Max. ambient temperature	7,6 m

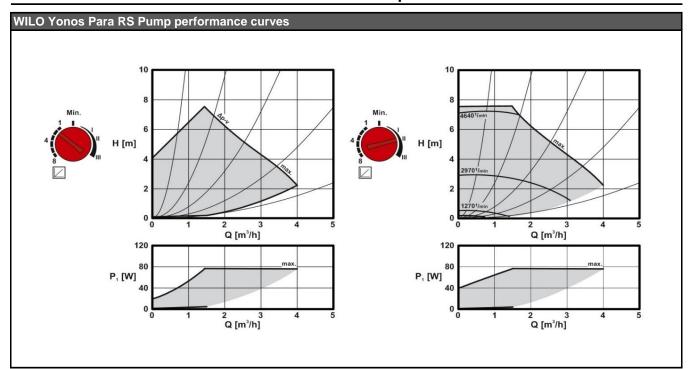
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# Regulus

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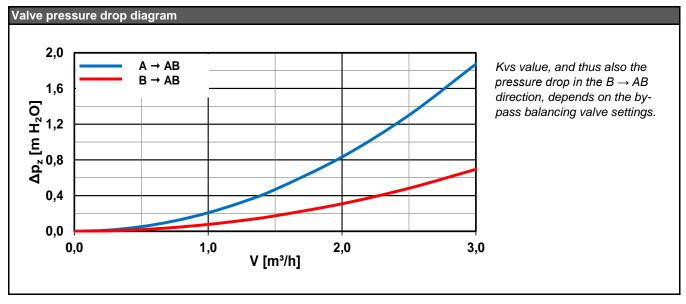


# TSV5 valve

### TSV5 Thermostatic valve data

Technical data	
Max. operating temp.	95 °C
Max. working pressure	6 bar
Valve opening temp.	as the thermostatic element
Range of control	t <sub>v,o</sub> + 5 °C
Valve Kvs (A→AB direction)	7,0 m³/hod
Valve Kvs (B→AB direction)	11,5 m³/hod
Connection	3 x G 5/4" F
Nominal inner diameter	DN 32

Materials	
Housing, cone and plug	brass
Spring	stainless steel
Element and plug seal	EPDM
Cone seal	NBR



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