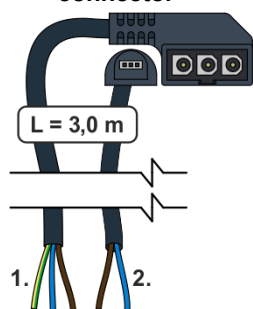




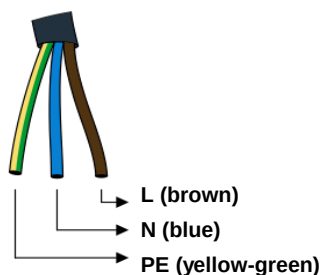
Main features

Application	keeping a min. inlet temperature into a boiler (fire) through a load valve
Description	consists of Wilo Yonos PARA RS 25/7.5 RKC pump, TSV3B load valve (with automatic 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

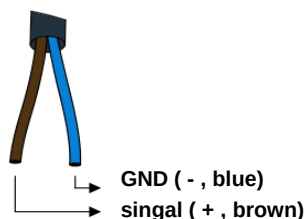
Connection of Pump Wilo Yonos PARA RS 25/7,5 PWM1 - MOLEX and PWM connector



1. POWER SUPPLY (1 ~ 230 V, 50 Hz)



2. CONTROL (PWM)



Power supply cables and PWM control cables are included in supply.

Code	max. boiler output
17277 for 55°C valve opening temp.	max. 42 kW
17278 for 65°C valve opening temp.	max. 31 kW

Accessories

By-pass with non return valve	code 16126
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Pump Station Technical Data

Fluid operating temp	0 - 95 °C
Max. working pressure	6 bar
Max. 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	2,6 kg
Connection	3 x G 1"

Wilo Yonos PARA RS 25/7.5 - PWM1 Pump Data

Electric data

Power supply	1~230 V, 50 Hz
Power input (min./ max.)	4/75 W
Current (min. / max.)	0,04/0,66 A
IP rating	IPX4D
Speed control	frequency controller
Max. speed	4770 rpm
Energy efficiency index	≤ 0,21 per EN 16 297/3
Motor protection	integrated

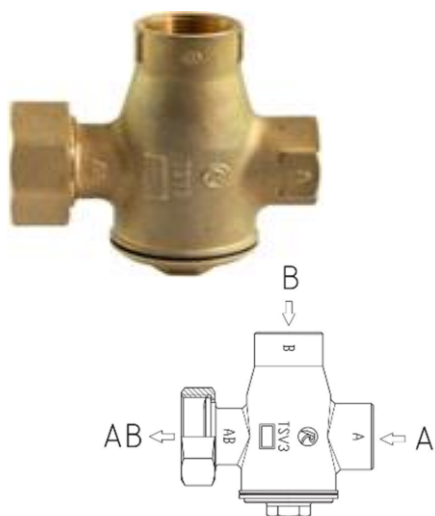
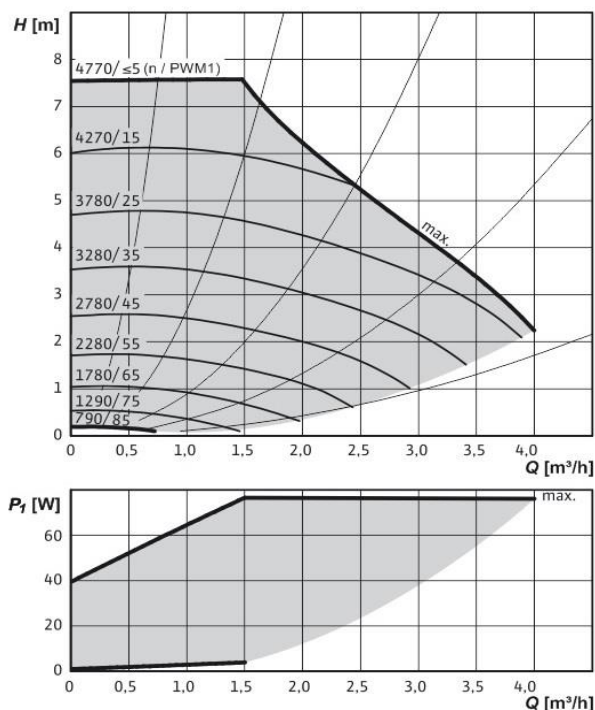
Min. pressures at suction port

Min. pressures at suction port to avoid cavitation	0,05 bar at 50 °C 0,44 bar at 95 °C
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Operation data

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

WILO Yonos PARA RS 25/7,5 - PWM1 Pump performance curves



Thermostatic valve Data

Technical data

Max. working temperature	95 °C
Max. working pressure	6 bar
Valve opening temp	as the thermostatic element
Range of control	$t_{v,o} + 5$ °C
Valve Kvs (A→AB direction)	6,2 m³/hod
Valve Kvs (B→AB direction)	4,4 m³/hod
Connection	3 x G 1" F
Nominal inner diameter	DN 25

Materials

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

Valve pressure drop diagram

