Non contractual pictures

Para Ku15-130/8-75/iPWM1 or LIN

The most reliable OEM solution.

Construction

Glandless circulation pump with a cast iron or composite pump housing and threaded or clipped connection.
EC motor with automatic power adjustment and self-protecting modes.

Type key

Example:	Para KU15-130/7-50/SC-12
Para	Electronically controlled high-efficiency pump. Pump range adapted to requirements of the OEM market.
	- = Cast iron inline pump housing
	KU = Composite inline pump housing
	RSB = Cast iron axial pump housing
	HU 15 = Hydraulic unit
	HU 25 = Hydraulic unit
	Composite pump housings with air venting:
	RSL = Inline pump housing
	MSL = OEM pump housing
	NFSL = OEM pump housing
	KSL = OEM pump housing
	BSL = OEM pump housing
15-130	Nominal diameter - Pump housing length
7-50	Nominal delivery head range [m] - Power consumption [W]
SC	SC = self controlled pump ; Δp-v, Δp-c, constant speed I, II, III
	iPWM = the pump is controlled by an external system via iPWM1 signal
	LIN = the pump is controlled by an external system via Lin Bus Communication
12	Position of electronic module

Your advantages

- → High integration flexibility due to compatibility with former standard and high-efficiency series and a wide range of specific pump housings
- → Easy installation thanks to a compact and standardised design with front access to signal connector and screws
- → Exists in 3 different control modes to respond better to your specific needs :
  - → Self-controlled (SC) version allowing several regulation modes and settings, easy to handle thanks to the green push button combined with a LED interface
  - → External control mode through iPWM signal for direct information on pump status and flow estimation directly from the pump itself
  - → External LIN control mode allowing many data exchanges between the pump and the appliance to go a step further on digitalisation. Extended functionalities through the LIN extended mode LINX
- → High system protection due to integrated functionalities such as air venting, manual restart as well as reset to factory settings upon control mode

Technical data (type)	
Approved liquids (other liquids upon request)	
Heating water (as per VDI 2035)	yes
Water-glycol mixtures (max. 1:1; above 20% admixture, the pumping data must be checked)	yes
Min. fluid temperature T_{min}	0 °C
Max. fluid temperature T_{max}	95 °C
Min. ambient temperature T_{min}	0.0 °C
Max. ambient temperature T_{max}	70.0 °C
Maximum operating pressure *PN*	6 bar
Min. suction head (to avoid cavitation at suction port at water pumping temperature)	
Minimum suction head at 50 °C *m*	0.5 m
Minimum suction head at 95 °C *m*	4.5 m
Motor data	
Energy efficiency index (EEI)	≤ 0.21

Pump operation in high ambient / fluid temperature may affect hydraulic performance. 0°C or negative water temperature implies to have adapted frost protection mixture. For further information please contact Wilo.

Technical data (type)	
Mains connection	1~230V +10/-15%, 50/60Hz
Approvals and markings	CE / EAC / UA / UKCA
Insulation class	F
Motor protection	integrated
Power consumption $P_{1\ min}$	2 W
Power consumption $P_{1\ max}$	75 W
Max current I_{max}	0.66 A
Protection class	IPX4D
Power consumption in standby mode *P1*	≤ 0.5 W
Materials	
Pump housing	PA66-GF30
Impeller	PP-GF40
Shaft	Stainless steel
Bearing	Carbon

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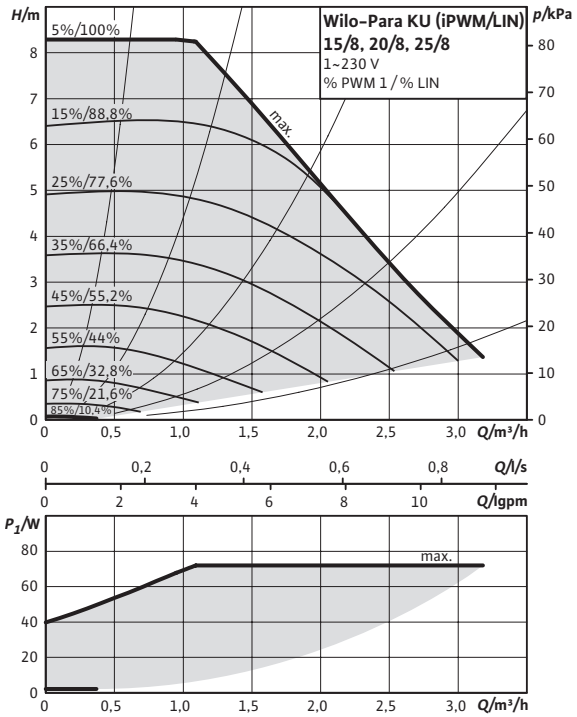
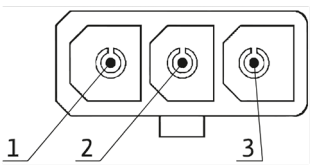
Pump curve

Wilo-Para KU (iPWM/LIN) 15/8, 20/8, 25/8



Connector diagram

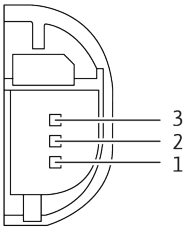
Power – Integrated 3-way connector type Molex 5025-03 for plug Facon PR60 or equivalent



1. L
2. Neutral
3. PE

Connector diagram

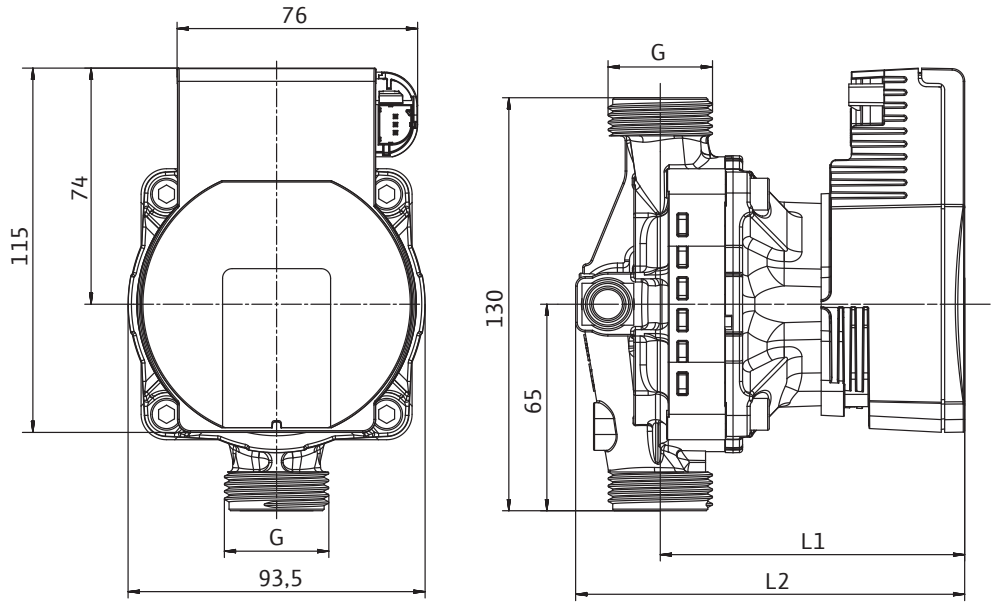
Signal – Wilo-iPWM/LIN (WPL) connector for plug Facon PR72 or equivalent



1. Vbus (LIN) / PWM input from controller (iPWM)
2. GND
3. LIN signal (LIN) / PWM output from the pump (iPWM)

Dimension drawing (variable)

Wilo-Para KU iPWM/LIN

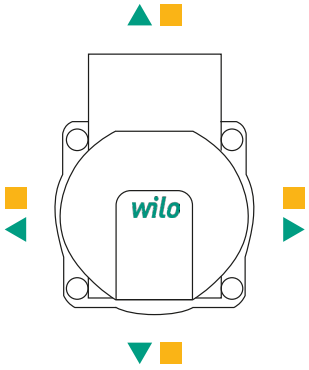


Technical data

Name	Para Ku15-130/8-75/iPWM-12	Para Ku25-130/8-75/iPWM-12
Connection input	G 1	G 1½
Connection output	G 1	G 1½
Dimensions *L1*	108 mm	
Dimensions *L2*	134 mm	
Gross weight, approx. *m*	1.1 kg	

Flow and terminal box orientations

The flow direction and the position of the terminal box can be independently specified



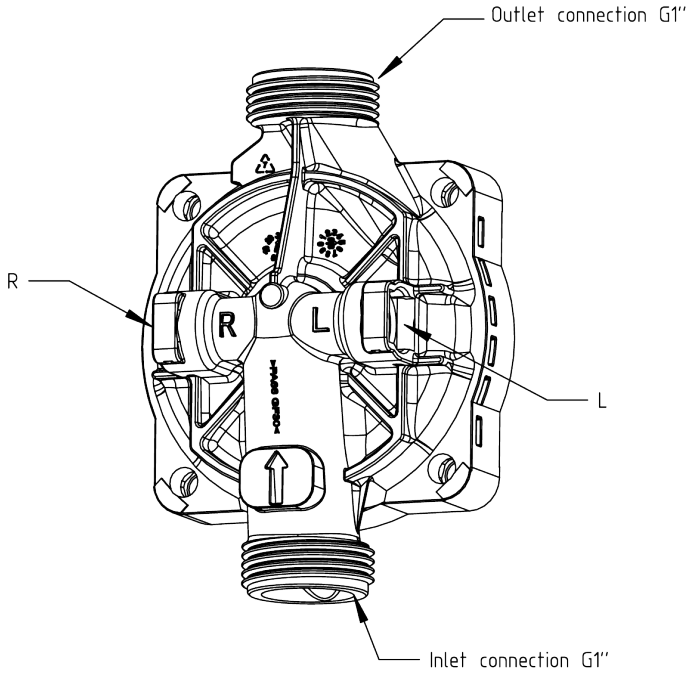
Allowed positions

Flow

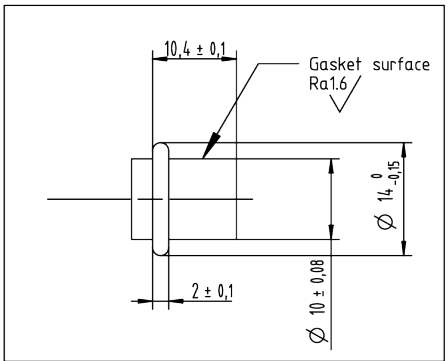
Terminal box

Connection drawing

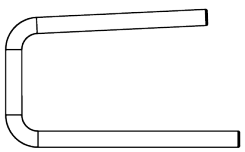
Maximal torque on connection G1 : 40 Nm – Screwed on minimum 3 threads



RS Ku - CONNECTION L & R



O'RING
Ø 8.9 x Ø 2.7
EPDM 70Sh



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