Wilo Para 25/8-75/SCU — Circulator for Low Head Loss Systems

Electronically-commutated (ECM) glandless circulator for site installations in low head-loss hydronic systems. Compact, standardized geometry with front-access wiring; integrated protections and commissioning aids.



EEI ≤ 0.21
P1 4–75 W, ≤0.5 W standby
Δp-v / Δp-c / n-constant (I/II/III)
Fluid –10…95 °C, PN 10
Air-venting; manual restart; factory reset
Front-access 3-way connector (PR60-61)

Key Advantages

- Fast commissioning via green push-button and LED interface.
- Adaptive hydraulics: Δp-v and Δp-c stabilize pressure across modulating valves; n-constant for
- fixed-curve specs.
- Compact, standardized geometry with front-access connector for tight cabinets.
- High system protection with on-pump air-venting, manual restart, and factory reset.

Specification	Value
Supply	1~230 V (+10/–15 %), 50/60 Hz
Efficiency	EEI ≤ 0.21
Power (P1)	4…75 W (≤ 0.5 W standby)
Protection / Insulation	IPX4D / Class F (integrated motor protection)
Operating Pressure	PN 10 bar
Temperatures	Fluid –10…95 °C • Ambient –10…70 °C
Approved Liquids	Heating water (VDI 2035); water-glycol ≤ 1:1 (check data if > 20 %)

Ordering Variant Connection: (DN25, G 1½)

Model	Port-to-port (mm)	L0 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Approx. weight (kg)
Para 25-180/8-75/SCU-12	180	180	105	138	90	2.0

Subject to change without prior notice. Datasheet issue: February 2021.

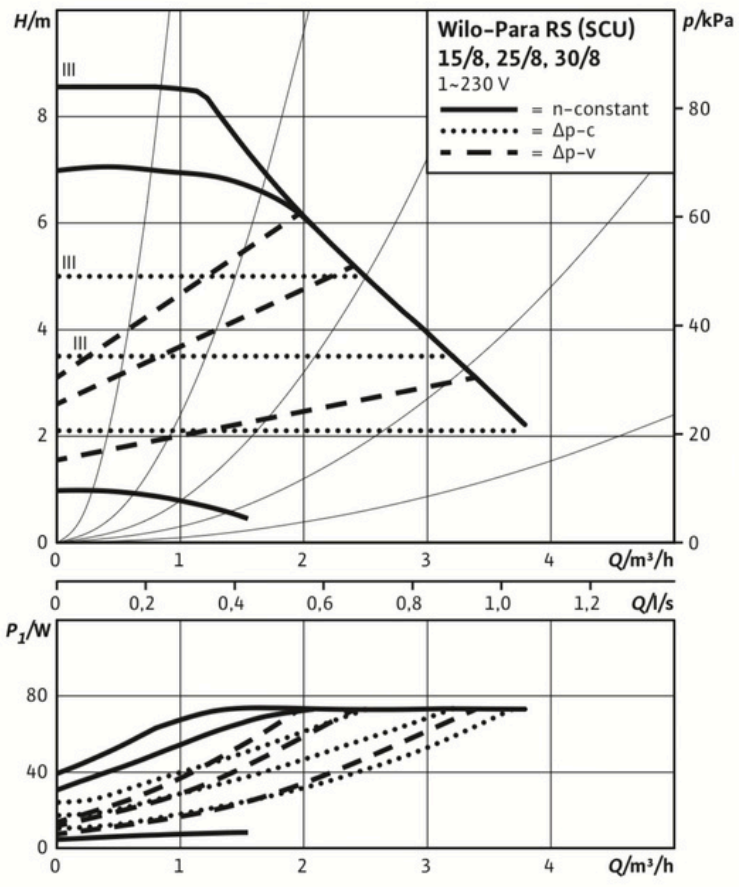
Construction & Materials

Component	Material	Notes
Pump housing	Cast iron	Cataphoresis-treated on designated variants
Impeller	PP-GF40 (glass-fiber reinforced)	High stiffness and durability
Shaft	Stainless steel	Corrosion-resistant
Bearings	Carbon	Low-friction, long-life

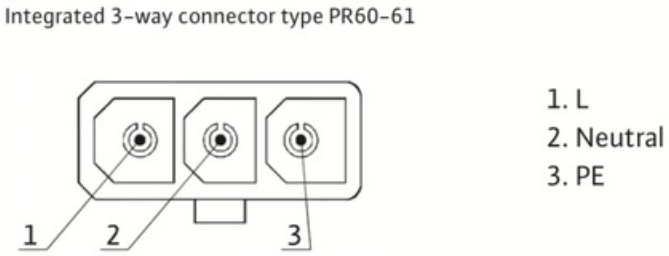
Electrical Connection

Integrated 3-way connector (PR60-61) in terminal box; front-access to connector and screws.
Terminals: 1 = L (Line), 2 = N (Neutral), 3 = PE (Earth).

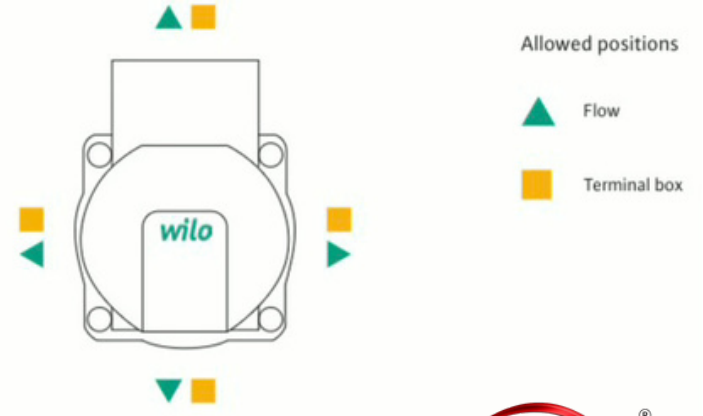
Pump Curves



Connector diagram

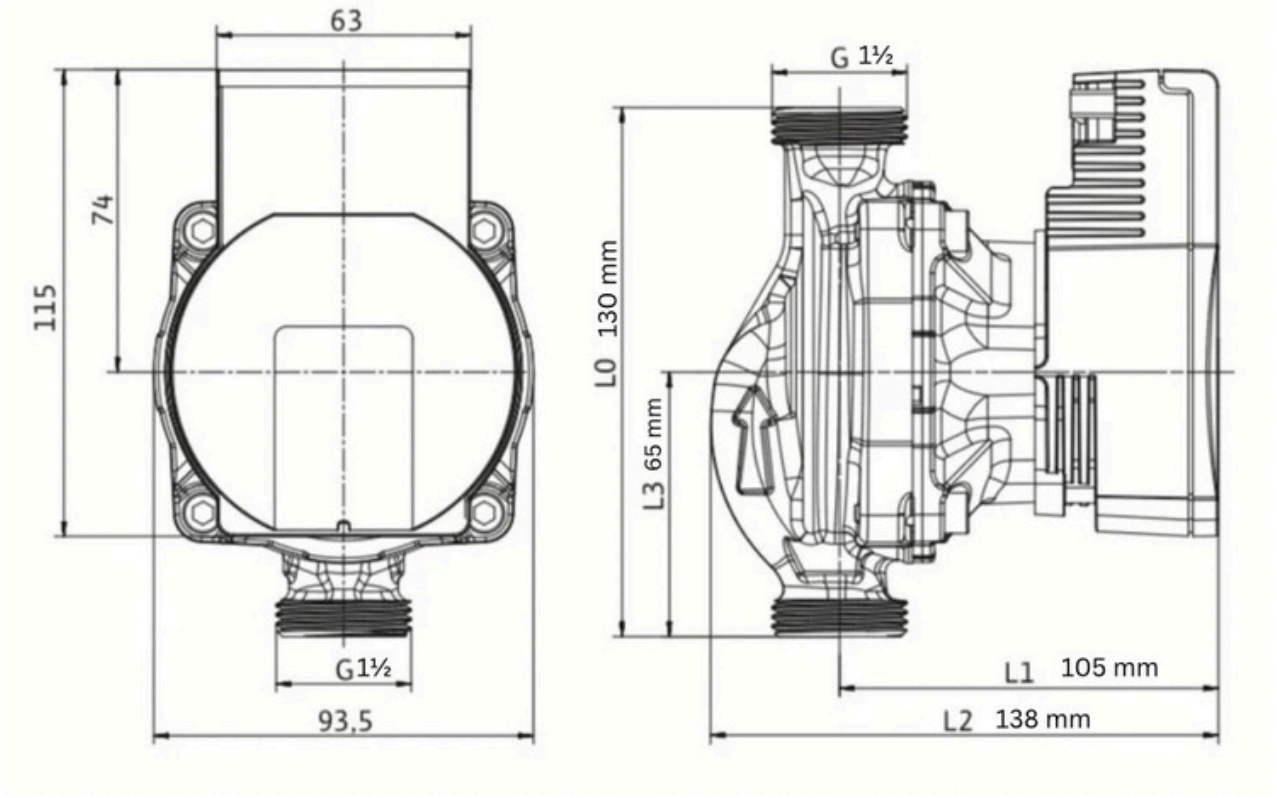


Flow and terminal box orientations



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Dimension Drawing (variable)



Notes & Disclaimers

Performance may be influenced near hot ambient/fluid limits; allow margin. For duty point selection, always use the official Wilo
pump curves. Specifications subject to change by the manufacturer.

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