

Star-Z NOVA T

Glandless pump circulator

Article number: 4222650

Data sheet

Hydraulic data

Maximum operating pressure *PN*	10 bar
Delivery head for Qmin H_{Qmin}	1.0 m
Max. volume flow Q_{max}	0.4 m³/h
Min. fluid temperature T_{min}	2 °C
Max. fluid temperature T_{max}	95 °C
Min. ambient temperature T_{min}	2 °C
Max. ambient temperature T_{max}	40 °C
Max. permitted total water hardness	3.57 mmol/l (20°dH)

Motor data

Mains connection	1~230 V, 50 Hz
Rated power P_2	6 W

Motor data

Rated current I_N	0.05 A
Max. speed n_{max}	3000 1/min
Power consumption $P_{1\ min}$	5 W
Power consumption $P_{1\ max}$	7 W
Emitted interference	EN 61000-6-3
Interference resistance	EN 61000-6-2
Protection class motor	IP42
Insulation class	F
Threaded cable connection	1 x PG11
Motor protection	no

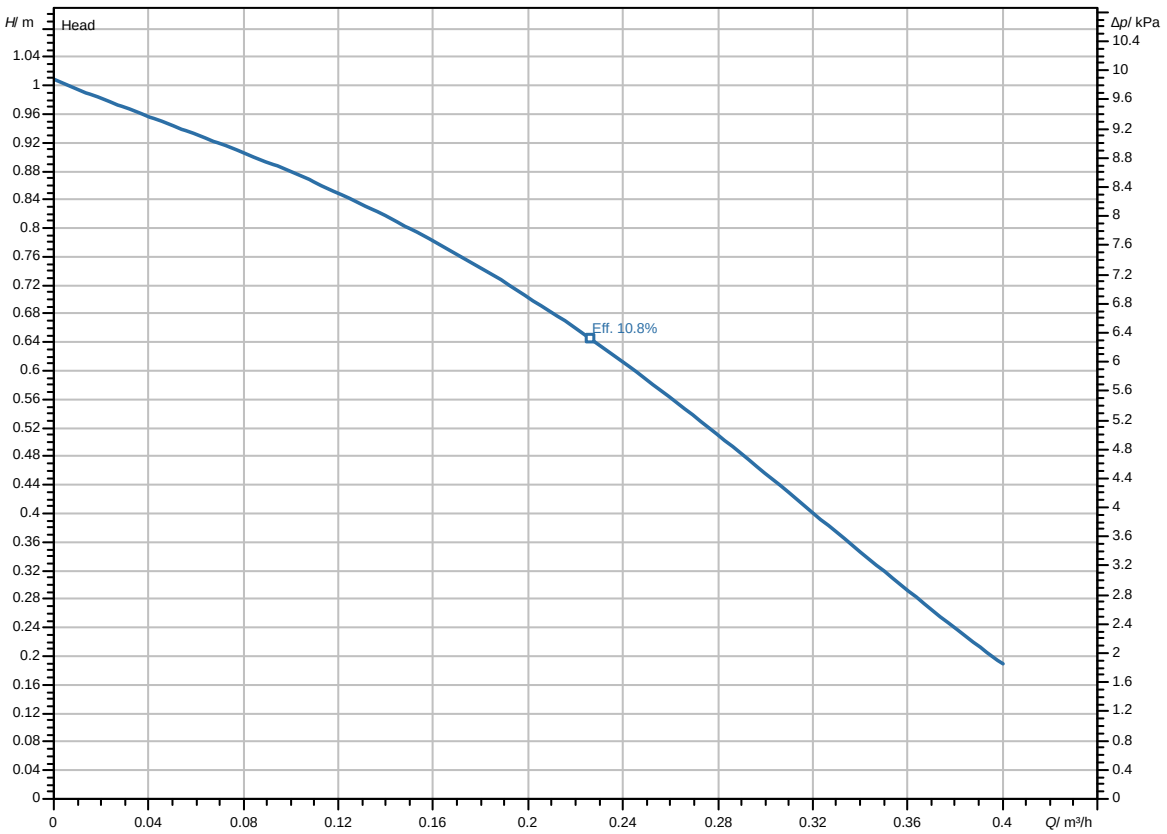
Materials

Pump housing	Brass, CW617N
Impeller	PPE/PS-GF30
Shaft	Ceramic
Bearing	Carbon, synthetic resin-impregnated

Installation dimensions

Port-to-port length *L0*	138 mm

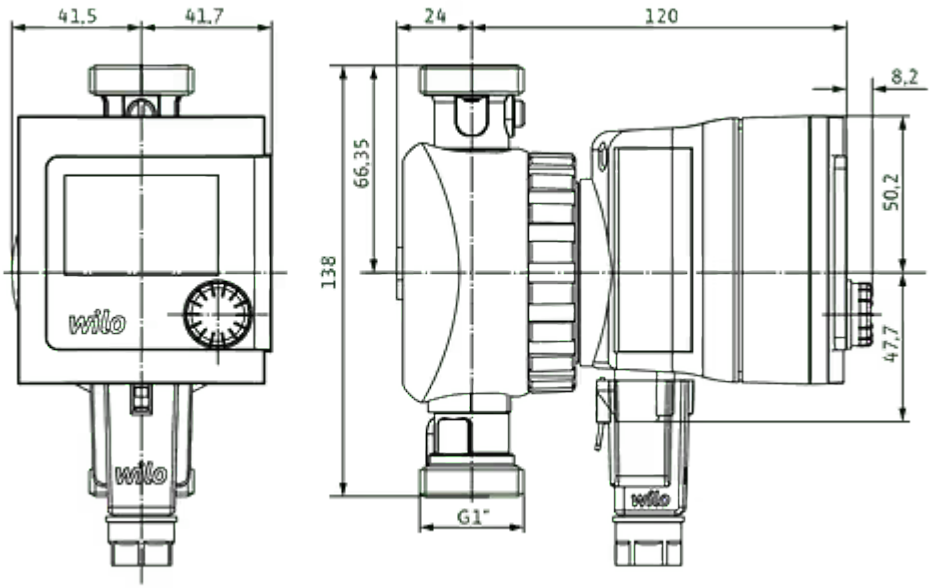
Pump curves



Fluid media	Water 100 %
Fluid temperature *T*	20.00 °C

Dimensions and dimensions drawings

Wilo-Star-Z NOVA



Tender text

This circulator is suitable only for drinking water.

Domestic hot water-circulator Wilo-Star-Z NOVA T (glandless pump-version) for single-family houses.

Pump for pipe installation, blocking-current proof synchronous motor with high starting torque.

Brass pump housing, Noryl impeller, ceramic shaft.

Power consumption 6 W.

Equipped with thermal insulation shell as standard, housing thread Rp ½.

Pump complete with ball shut-off and non-return valves with G1 thread, built-in time switch, temperature control and a routine for detecting and supporting thermal legionellae switching on the boiler side.

Operating data

Max. fluid temperature T_{max}	95 °C
Min. fluid temperature T_{min}	2 °C
Min. ambient temperature T_{min}	2 °C

Max. ambient temperature T_{max}	40 °C
Temperature range at max. ambient temperature +40 °C *T*	+2...+65 °C
Maximum operating pressure *PN*	10 bar
Max. permitted total water hardness	3.57 mmol/l (20°dH)

Materials

Pump housing	Brass, CW617N
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Emitted interference	EN 61000-6-3
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Power consumption $P_{1\ max}$	7 W
Max. speed n_{max}	3000 1/min
Rated current I_N	0.05 A
Protection class motor	IP42
Threaded cable connection	1 x PG11

Installation dimensions

Pump connection	G 1
Pump connection (alternative designation)	RP 1/2 DN 15
Port-to-port length *L0*	138 mm

Ordering information

Brand	Wilo
Product description	Star-Z NOVA T
Net weight, approx. *m*	1.2 kg
Article number	4222650

Mechanical accessories

Product description	Article number
Screwed connection R ½ /Ø 15 i x G 1, 96 Set	112047493
Screwed connection R ½ /Ø 15 i x G 1, 1 Set	4092743

Electrical accessories

Product description	Article number
Switchgear SK 601N	2120443
Angle plug	4150229
Wilo-Connector	4200870
Service motor Star-Z NOVA	4132763