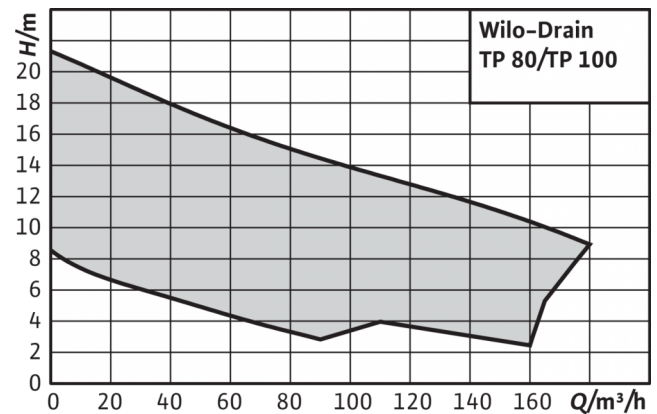


## Series description: Wilo-Drain TP 80/TP 100

Wilo-Drain TP 80



Wilo-Drain TP 80/100



### Design type

Submersible sewage pump for continuous duty for stationary and portable wet well installation, as well as stationary dry well installation.

### Application

Pumping of

- Sewage containing faeces
- Pre-cleaned sewage without faeces and long-fibre components
- Process water
- Wastewater

### Equipment/function

- Thermal motor monitoring
- Leakage detection in the motor
- ATEX approval
- sheath flow cooling

### Scope of delivery

- Pump ready for connection with 10 m connection cable (bare cable end)
- Installation and operating instructions

### Type key

E.g.	Wilo-Drain TP 80E160/17
TP	Submersible pump
80	Nominal diameter [mm]
E	Single-channel impeller
160	Nominal diameter of impeller [mm]
17	Power P2 [kW] = (value/10 = 1.7 kW)

### Technical data

- Mains connection: 3-400 V, 50 Hz
- Immersed and non-immersed operating modes: S1
- Protection class: IP68
- Insulation class: F
- Max. fluid temperature: 3 - 40 °C
- Free ball passage: 80 or 95 mm
- Max. immersion depth: 20 m

### Special features/product advantages

- Self-cooling motor for use in wet well and dry well installation
- Corrosion-resistant stainless steel motor housing made of 1.4404
- Patented clogging-free hydraulics
- Longitudinally watertight cable inlet
- Lightweight

## Series description: Wilo-Drain TP 80/TP 100

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### Materials

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- Pump housing: PUR
- Impeller: PUR
- Shaft: Stainless steel 1.4404
- Mechanical seal on pump side: SiC/SiC
- Mechanical seal on motor side: C/Cr
- Static gasket: NBR
- Motor housing: Stainless steel 1.4404

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### Description/construction

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Submersible sewage pump as submersible monobloc unit for stationary wet well and dry well installation as well as portable wet well installation.

### Hydraulics

The outlet on the pressure side is designed as DN 80 or DN 100 horizontal flange connections. Single-channel impellers are used as the impeller shape.

### Motor

Surface-cooled motors are standard-equipped with clogging-free sheath current cooling. This ensures that heat is given off directly to the fluid. As a result, these units can be operated in immersed and non-immersed state for permanent or intermittent operation.

In addition, the motor is equipped with a leakage detection unit and a thermal motor monitoring unit. A sealing chamber protects the motor from fluid ingress. The filling fluid used is potentially biodegradable and environmentally safe.

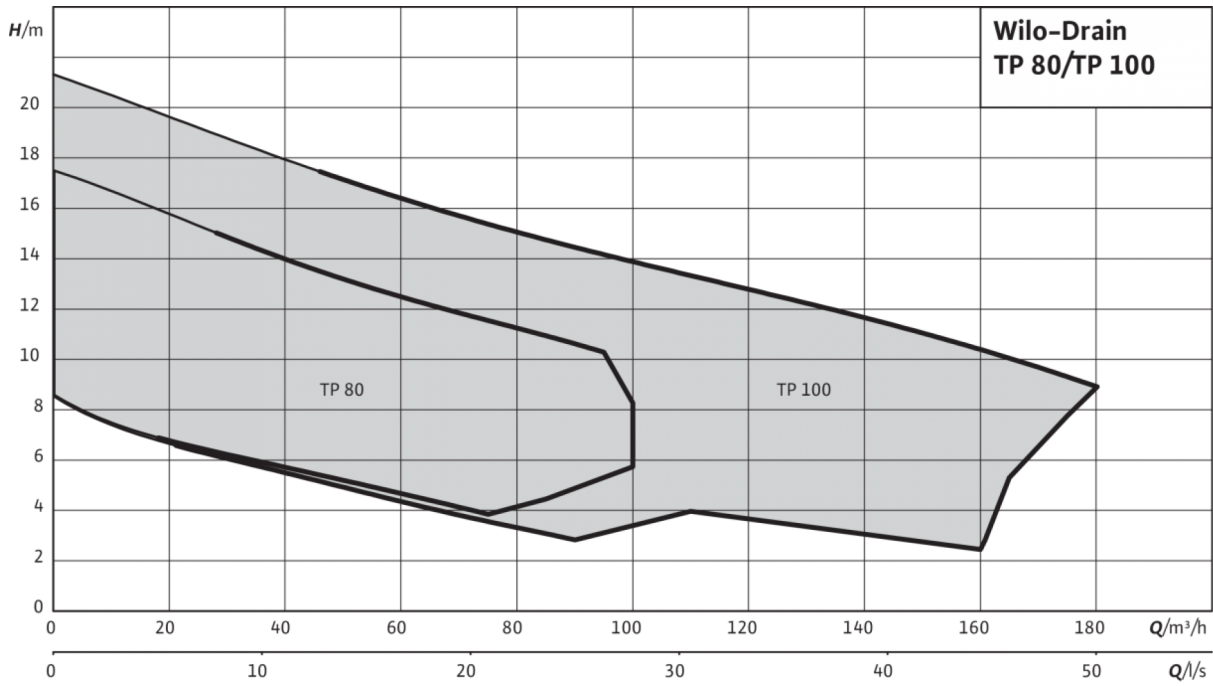
The cable lead-in is longitudinally watertight, the standard cable length is 10 m.

### Seal

Sealing on the fluid side and on the pump side is achieved by two bidirectional mechanical seals.

## Duty chart: Wilo-Drain TP 80/TP 100

Wilo-Drain TP 80/100



## Product list: Wilo-Drain TP 80/TP 100

Product description	Mains connection	Max. delivery head $H$	Max. volume flow $Q$	Optimal delivery head $H_{opt}$	Optimal volume flow $Q_{opt}$	Rated current $I_N$	Rated power $P_2$	Explosion protection ATEX	Article number
Drain TP 100E210/52	3~400 V, 50 Hz	16.00 m	165 m <sup>3</sup> /h	16 m	165 m <sup>3</sup> /h	14.10 A	5.20 kW	yes	2003559
Drain TP 100E230/70	3~400 V, 50 Hz	19.00 m	175 m <sup>3</sup> /h	19 m	175 m <sup>3</sup> /h	16.70 A	7.00 kW	yes	2003561
Drain TP 100E250/84	3~400 V, 50 Hz	21.00 m	180 m <sup>3</sup> /h	21 m	180 m <sup>3</sup> /h	18.80 A	8.40 kW	yes	2003563
Drain TP 100E190/39	3~400 V, 50 Hz	12.00 m	160 m <sup>3</sup> /h	12 m	160 m <sup>3</sup> /h	12.50 A	3.90 kW	yes	2008469
Drain TP 80E160/17	3~400 V, 50 Hz	9.00 m	75 m <sup>3</sup> /h	9 m	75 m <sup>3</sup> /h	6.40 A	1.70 kW	yes	6043950
Drain TP 80E170/21	3~400 V, 50 Hz	10.00 m	85 m <sup>3</sup> /h	10 m	85 m <sup>3</sup> /h	6.70 A	2.10 kW	yes	6043957
Drain TP 80E190/29	3~400 V, 50 Hz	13.00 m	100 m <sup>3</sup> /h	13 m	100 m <sup>3</sup> /h	7.30 A	2.90 kW	yes	6043963
Drain TP 80E210/37	3~400 V, 50 Hz	15.00 m	100 m <sup>3</sup> /h	15 m	100 m <sup>3</sup> /h	8.50 A	3.70 kW	yes	6043971
Drain TP 80E230/40	3~400 V, 50 Hz	17.00 m	95 m <sup>3</sup> /h	17 m	95 m <sup>3</sup> /h	9.50 A	4.00 kW	yes	6043983