O Series

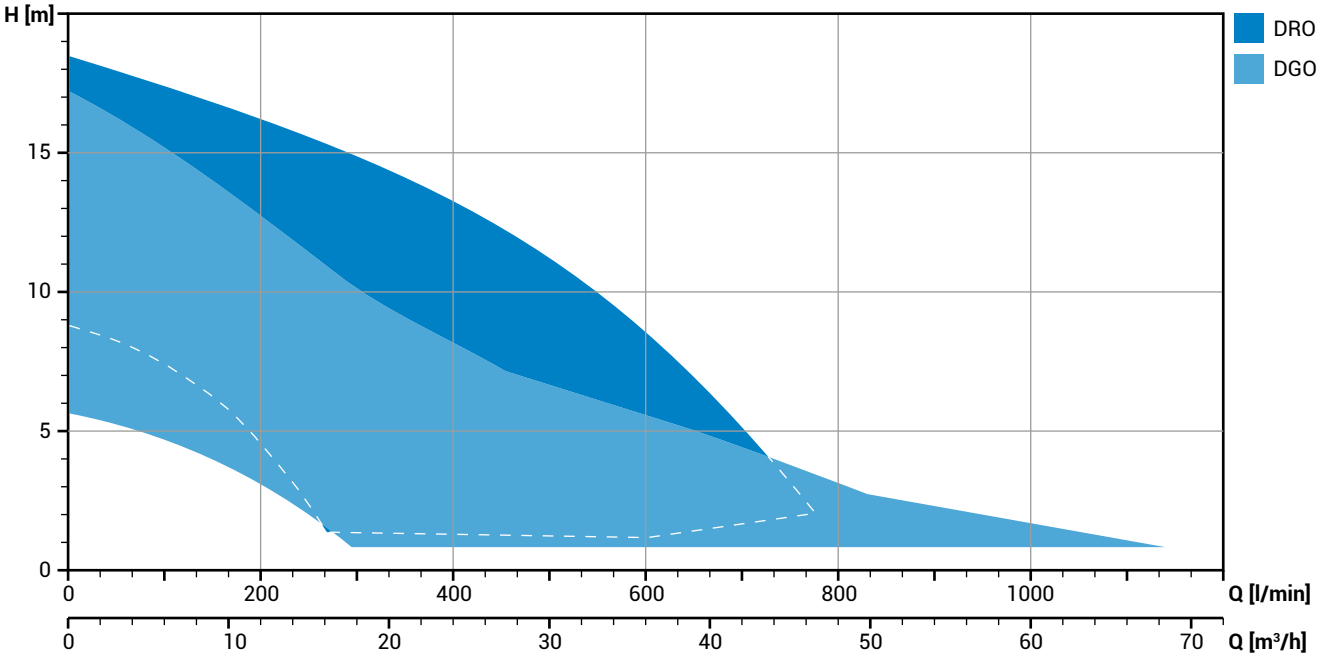
The main feature of the **O series** is the oil bath motor. Together with its robust cast iron structure, it makes this model particularly reliable even in very tough operating conditions.

Simple and rational construction allows easy access for maintenance. As a result, even after its market launch in 1977, the **O series** continues to meet the requirements of the most demanding customers.

This serie includes models with vortex impeller (**DGO**) which is recommended for use in soiled liquids and with multi-channel impeller (**DRO**) for lifting clean or slightly soiled water.

Each model undergoes pressurised test to ensure that the motor compartment is airtight and the mechanical seals are fitted correctly, to guarantee excellent reliability.

Operating ranges



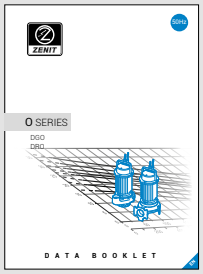
Construction materials

Motor casing	Cast iron EN-GJL-250
Impeller	Cast iron EN-GJL-250
Nuts and bolts	Stainless steel - Class A2-70
Standard gaskets	NBR rubber
Drive shaft	AISI 431 stainless steel
Painting	Bicomponent epoxy paint with high resistance to corrosion

Operating specifications

Max operating temperature	40°C
pH of treated liquid	6 ÷ 14
Viscosity of treated liquid	1 mm^2/s
Max immersion depth	20 m
Density of treated liquid	1 Kg/dm^3
Max acoustic pressure	<70 dB
Max starts per hour	30

The data provided are not binding.
Zenit reserves the right to modify the product without advance notification.



ZENO NAVIGATOR SUITE

The Technical **Data Booklet** complete with duty curves is available for download in the download area of **zenit.com**

To select the pump best suited to your needs we advise you to use the **Zeno Pump Selector** configuration tool on the **zenit.com** website

DGO

DG [DRAGA]

- Cast iron vortex impeller
- Full free passage

- Sewage
- Soiled wastewaters with solids
- Lifting stations in small civil and residential plants

DRO

DR [DRENO]

- Cast iron multi-channel open impeller
- Stainless steel suction strainer

- Clear or slightly soiled wastewaters
- Strained, seepage and underground pump-out waters
- Irrigation and pumping from wells and reservoirs

Range characteristics

Power supply		220/240V ~1 - 380/400V ~3
Frequency		50 Hz
Power		0.37 ÷ 1.5 kW
Poles		2 / 4
Discharge	**vertical**	G 1½" - G 2" - G 2½"
	horizontal	G 2" - DN50 - DN65 - DN80
Free passage		max 80 mm
Max flow rate		19.0 l/s
Max head		17.3 m

Power supply		220/240V ~1 - 380/400V ~3
Frequency		50 Hz
Power		0.37 ÷ 1.5 kW
Poles		2
Discharge	**vertical**	G 1¼" - G 2"
	horizontal	G 2" - DN50
Free passage		max 15 mm
Max flow rate		13.0 l/s
Max head		18.4 m

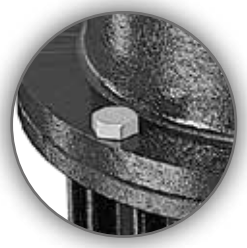
O Series

CABLE GLAND

Stainless steel cable gland system which guarantees airtight seal and allows easy replacement of cable or float switch.

HANDLE

Stainless steel lifting and carrying handle.



CASE

Robust cast iron construction.

STRAINER [DRO]

Stainless steel suction strainer.

Highlight

DUAL PROTECTION

The motor is protected by a bimetallic thermal protection in the stator and a current overload device (manual reset) installed in an external box. It cuts off the power supply in the event of current overload due to fouled impeller.

O Series

MOTOR

Oil bath motor with cooling effect allowing heavy work loads.

MECHANICAL SEALS

One mechanical seal in silicon carbide (SiC) and one in alumina graphite (AL), cooled by motor oil.

FREE PASSAGE [DGO]

Ample free passage allowing the removal of solids and preventing fouling of the impeller.

ANTI-CLOGGING SYSTEM [DRO]

Hydraulics with Anti Clogging System (ACS) which ensures the removal of small suspended solids and prevents fouling of the impeller.