

GREY Series

The Grey series streamlines and updates our range with efficient, reliable products.

The Grey series features completely redesigned hydraulics and motors, to guarantee high performance, low power consumption and outstanding versatility.

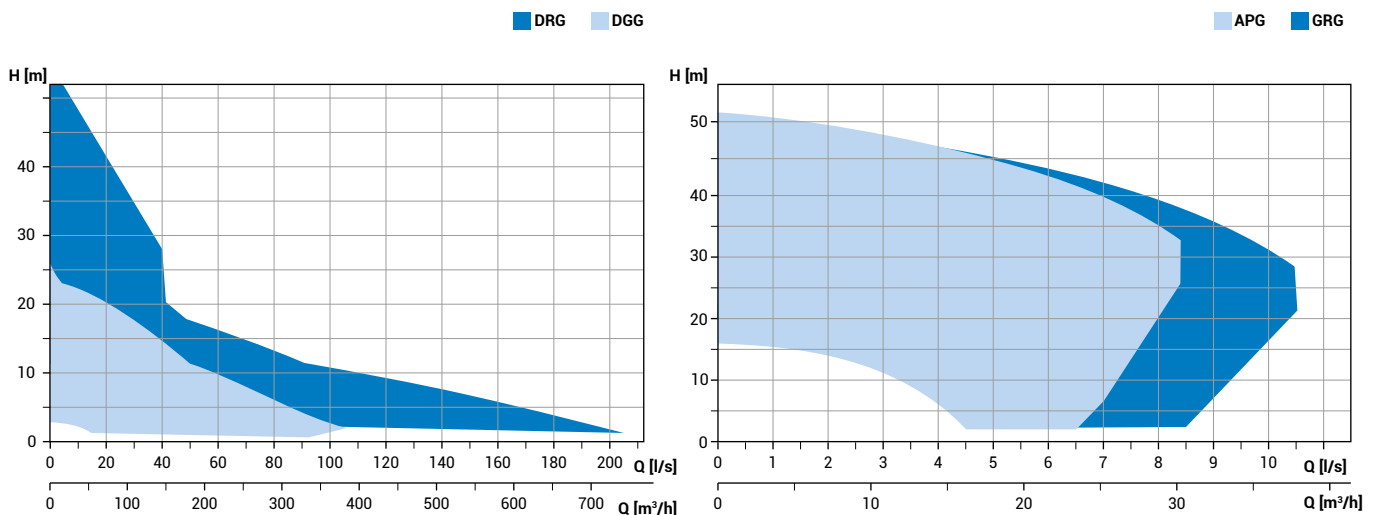
The range incorporates models with 50 and 60 Hz single-phase and three-phase motors ranging from 1.5 to 18.5 kW.

The double mechanical seal in oil chamber guarantees a high level of reliability even when used with heavily soiled wastewater over an extended period.

Models are available with channel (DRG), grinding (GRG), high head (APG) and vortex impeller (DGG) to satisfy a wide variety of application requirements, from small domestic lifting stations to civil and industrial treatment plants.

[*] 0.37 ÷ 1.5 In development

Operating ranges



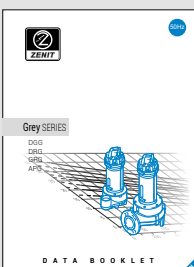
Construction materials

Motor casing	Ghisa EN-GJL-250
Impeller	Ghisa EN-GJL-250
Nuts and bolts	Stainless steel - Class A2-70
Standard gaskets	NBR rubber
Drive shaft	AISI 431 stainless steel
Cutting knife	Chromium steel [GR only]
Painting	Bicomponent epoxy paint with high resistance to corrosion

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

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	20 [<10 kW] , 15 [>10 kW]



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



DGG

DG [DRAGA]

- Vortex impeller
- Full free passage

- Biological liquids and wastewater
- Civil and industrial lifting
- Wastewater treatment plants and livestock farms



Range characteristics

Power supply	220/240 V ~1 - 380/400 V ~3
Frequency	50 Hz
Power	0.37 ÷ 15 kW
Poles	2 / 4 / 6
Discharge vertical	G 1½" - G 2½"
horizontal	DN40 ÷ DN150
Free passage	max 125 mm
Max flow rate	106 l/s
Max head	24.5 m



DRG

DR [DRENO]

- Channel impeller
- Large free passage

- Recirculation of industrial and process waters
- Civil lifting
- Drainage and lifting of water from first rainfall tanks



Power supply	220/240 V ~1 - 380/400 V ~3
Frequency	50 Hz
Power	0.37 ÷ 18.5 kW
Poles	2 / 4 / 6
Discharge vertical	G 1½" - G 2"
horizontal	DN65 ÷ DN250
Free passage	max 110 mm
Max flow rate	205 l/s
Max head	50.0 m



GRG

GR [GRINDER]

- Multi-channel open impeller
- Grinding system with rotary knife

- Lifting of liquids containing fibres and filaments
- Professional and industrial applications
- Livestock farms



Power supply	220/240 V ~1 - 380/400 V ~3
Frequency	50 Hz
Power	0.75 ÷ 7.5 kW
Poles	2
Discharge vertical	-
horizontal	DN32 G 1½" - G 2"
Free passage	-
Max flow rate	8.4 l/s
Max head	53.5 m



APG

AP [Alta Prevalenza]

- Multi-channel open impeller
- High manometric head

- Industrial applications and car-washes
- Clean water in fountains and water features
- Irrigation and fish farming



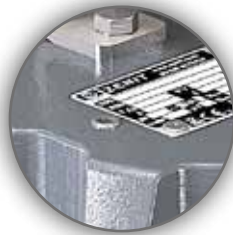
Power supply	220/240 V ~1 - 380/400 V ~3
Frequency	50 Hz
Power	0.75 ÷ 7.5 kW
Poles	2
Discharge vertical	-
horizontal	DN32 G 1½" - G 2"
Free passage	max 10 mm
Max flow rate	10.5 l/s
Max head	52.0 m

GREY Series



HANDLE

Rugged stainless steel lifting and carrying handle



PRESSURISED TESTING

Every model undergoes pressurised testing to guarantee perfect assembly and operation of the gaskets, cable gland and mechanical seals.



FREE PASSAGE [DGG]

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

Highlight

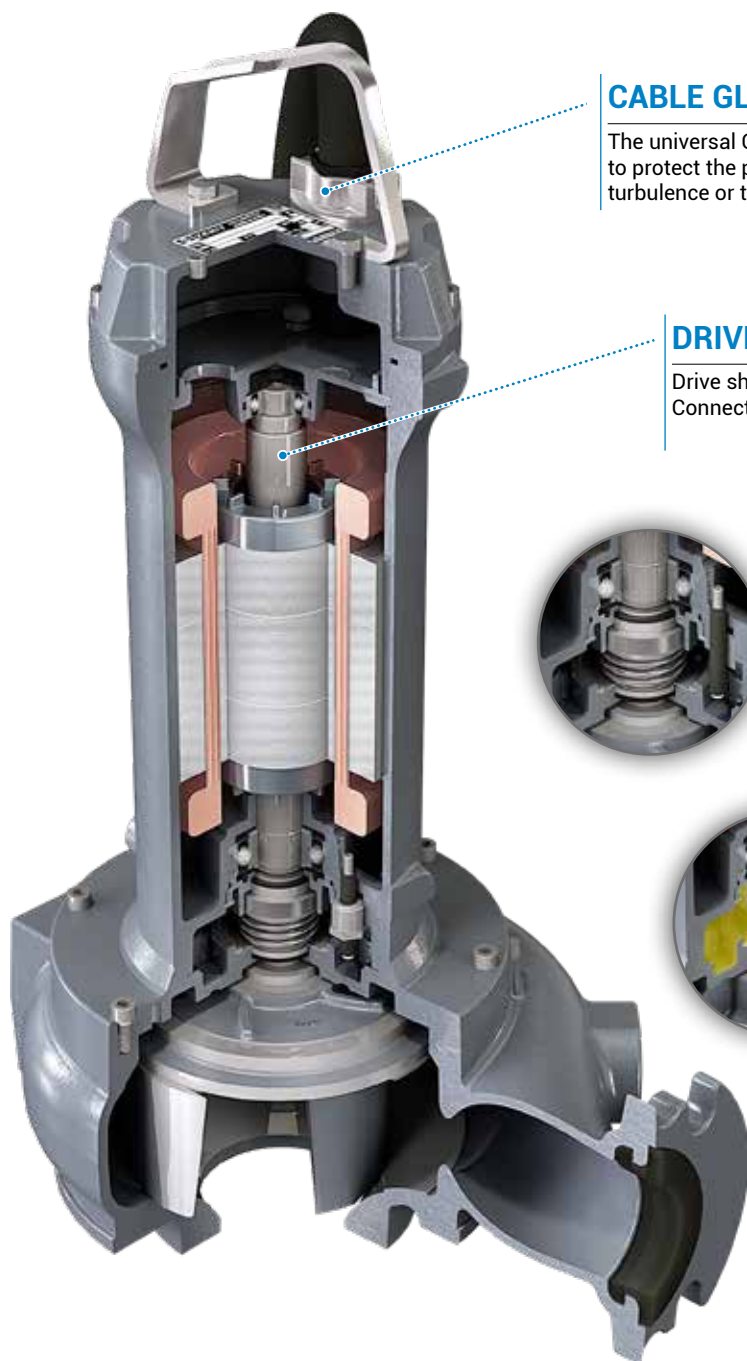


EFFICIENT AND RELIABLE

The Grey series offers reduced purchasing, installation and maintenance times and costs thanks to a wide choice of models and the use of immediately available standard components. Exceptionally reliable, the Grey series needs far fewer repairs, meaning reduced costs.

Running costs will be lower and there will be fewer system stoppages, allowing more effective maintenance scheduling.

GREY Series



CABLE GLAND

The universal GAS thread of the cable gland is able to take a sheathing pipe to protect the power cable from mechanical or chemical damage due to turbulence or the aggressive nature of the liquid.

DRIVE SHAFT

Drive shaft in AISI 431 stainless steel.
Connection to impeller via tapered coupling.

MECHANICAL SEALS + V-RING

Two mechanical seals in silicon carbide (SiC-SiC) enclosed in an inspectable oil chamber. This prevents all contact between the mechanical seals and any solids or filaments in the wastewater.



OIL CHAMBER

Large, inspectable oil chamber to guarantee longer mechanical seal lifetime.
Leakage detection sensor.



ATEX

Range with certification:

CE 2460 Ex db IIB T4 Gb
II 2G Ex h IIB T4 Gb

ANTI-CLOGGING SYSTEM [DRG · GRG]

The special conformation of the hydraulic part ensures the expulsion of solids and prevents fouling of the impeller.

