

APPLICATIONS
DOMESTIC - RESIDENTIAL
 0.25 ÷ 1.5 KW 50/60 HZ

steel

High-performance, compact stainless steel submersible pumps for optimal service in household installations and small civil plants.

DG Motor power 0.37 ÷ 0.75 kW Poles 2 Delivery port GAS 1½"-1½" V Free passage max 40 mm Max flow rate 6.3 l/s Max head 10.0 m Impeller vortex

DR Motor power 0.25 ÷ 0.75 kW Poles 2 Delivery port GAS 1½"-1½" V Free passage max 12 mm Max flow rate 3.35 l/s Max head 16.0 m Impeller open multi-channel

blue

The blue Series is intended mainly for domestic and residential installations and provides compact size and outstanding reliability.

DG Motor power 0.3 ÷ 0.74 kW Poles 2 Delivery port GAS 1½" V Free passage max 40 mm Max flow rate 7.7 l/s Max head 11.6m Impeller vortex

DR Motor power 0.3 ÷ 0.74 kW Poles 2 Delivery port GAS 1½" V Free passage 7 mm Max flow rate 5.3 l/s Max head 14.0 m Impeller open multi-channel

bluePRO

The bluePRO Series is intended for use in applications requiring high performance or prolonged, heavy-duty operation in domestic and residential contexts.

DG Motor power 0.37 ÷ 1.5 kW Poles 2 Delivery port GAS 1½" - 2" V Free passage max 50 mm Max flow rate 12.6 l/s Max head 15.3 m Impeller vortex

DR Motor power 0.37 ÷ 1.5 kW Poles 2 Delivery port GAS 1½" - 2" V Free passage max 15 mm Max flow rate 11.5 l/s Max head 17.0 m Impeller open multi-channel

GR Motor power 0.74 ÷ 1.5 kW Poles 2 Delivery port GAS 1½"-DN32 V Free passage max 6 mm Max flow rate 5.6 l/s Max head 27 m Impeller with grinder system

AP Motor power 0.74 ÷ 1.5 kW Poles 2 Delivery port GAS 1½"-DN32 V Free passage max 6 mm Max flow rate 7.1 l/s Max head 26.6 m Impeller high head

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zeno
 PUMP SELECTOR

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APPLICATIONS
CIVIL - PROFESSIONAL - LIGHT INDUSTRIAL
 0.37 ÷ 18.5 KW 50/60 HZ

E/S

E series and S series models are ideal for installations in small lifting stations where compact size and excellent reliability are required.

DGE Motor power 0.37 ÷ 1.5 kW Poles 2 Delivery port GAS 1½" + 2" V Free passage max 50 mm Max flow rate 11.6 l/s Max head 15.7 m Impeller vortex

DRE Motor power 0.3 ÷ 1.5 kW Poles 2 Delivery port GAS 1½"- 2" V Free passage max 15 mm Max flow rate 12.6 l/s Max head 18.0 m Impeller open multi-channel

GRE Motor power 1.7 kW Poles 2 Delivery port GAS 2"-DN32 H Free passage 7 mm Max flow rate 6.3 l/s Max head 27.3 m Impeller with grinder system

APE Motor power 1.7 kW Poles 2 Delivery port GAS 2"-DN32 H Free passage 7 mm Max flow rate 9.5 l/s Max head 24.9 m Impeller high head

GRS Motor power 0.9 kW Poles 2 Delivery port GAS 1½"-DN32 H Free passage max 4.3 l/s Max head 20.4 m Impeller with grinder system

APS Motor power 0.9 kW Poles 2 Delivery port GAS 1½"-DN32 H Free passage 7 mm Max flow rate 5.2 l/s Max head 20.3 m Impeller high head

DGO Motor power 0.37 ÷ 1.5 kW Poles 2/4 Delivery port GAS 1½" + 2½" V Free passage max 80 mm Max flow rate 19.0 l/s Max head 17.3 m Impeller vortex

DRO Motor power 0.37 ÷ 1.5 kW Poles 2/4 Delivery port GAS 1½" + 2 V Free passage max 15 mm Max flow rate 13 l/s Max head 18.4 m Impeller open multi-channel

DGX Motor power 0.37 ÷ 1.5 kW Poles 2/4 Delivery port GAS 2" V Free passage max 60 mm Max flow rate 18.4 l/s Max head 14.9 m Impeller vortex

DRX Motor power 0.37 ÷ 1.5 kW Poles 2 Delivery port GAS 1½"-2" V Free passage max 15 mm Max flow rate 12.5 l/s Max head 17.8 m Impeller open multi-channel

DGB Motor power 0.37 ÷ 1.5 kW Poles 2 Delivery port GAS 2" V Free passage max 80 mm Max flow rate 10.6 l/s Max head 15 m Impeller vortex

DRB Motor power 0.37 ÷ 1.5 kW Poles 2 Delivery port GAS 1½"-2" V Free passage max 15 mm Max flow rate 12.5 l/s Max head 18 m Impeller open multi-channel

O

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.

SPECIAL ALLOY

The DRX, DRY and DGX models are constructed in CF8_M (AISI 316) stainless steel and have multi-channel open impeller suitable for strained liquids (DRX) or for liquids with solids (DRY), and vortex impeller for soiled wastewater (DGX).

DRY Motor power 2.4 ÷ 15 kW Poles 2/4 Delivery port DN65 ÷ DN100 H Free passage max 80 mm Max flow rate 72.8 l/s Max head 40.2 m Impeller open multi-channel

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 SPARE PARTS

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series
Grey

New submersible pumps for drainage and lifting systems in civil and industrial applications with efficient and reliable motors.
 Directly developed from the UNIQA know-how, the Grey Series project features completely redesigned hydraulics and motors, to guarantee high performance, low consumption and outstanding versatility in the 0.37* to 18.5 kW power range.
 *0.37 ÷ 0.75 Under development

Grey Ex

DGG Motor power 0.37 ÷ 15 kW Poles 2/4/6 Delivery Port GAS 1½" + 2½" V Free passage max 120mm Max flow rate 106 l/s Max head 24.5 m Impeller vortex

DRG Motor power 0.37 ÷ 18.5 kW Poles 2/4/6 Delivery Port GAS 1½" + GAS 2" V Free Passage max 110 mm Max flow rate 205 l/s Max head 50 m Impeller open multi-channel

GRG Motor power 0.75 ÷ 7.5 kW Poles 2 Delivery Port DN32 - GAS 1½" - 2" H Free Passage max 10 mm Max flow rate 8.4 l/s Max head 53.5 m Impeller with grinder system

APG Motor power 0.75 ÷ 7.5 kW Poles 2 Delivery Port DN32 - GAS 1½" - 2" H Free Passage max 10 mm Max flow rate 10.5 l/s Max head 52 m Impeller high head



- Motors
- from 0.37* to 18.5 kW operating at 50/60 Hz
 - double mechanical seal in oil chamber
 - Cast iron structure
 - Thermal protection devices incorporated in stator
 - AISI 431 drive shaft
 - Two silicon carbide mechanical seals in large oil chamber
 - Discharge from DN32 to DN250
 - Large free passage
- CE 2460 Ex db IIB T4 Gb II 2G Ex h IIB T4 Gb

zenit.com/grey

APPLICATIONS
INDUSTRIAL - WATER TREATMENT
 1.1 ÷ 355 KW HIGH EFFICIENCY 50/60 HZ

UNIQA
 HIGH EFFICIENCY SUBMERSIBLE ELECTRIC PUMPS

UNIQA series pumps, designed for heavy-duty professional applications, are used in industrial and other wastewater treatment plants and for lifting sewage and pumping wastewater which contains solids.
 Motors are designed with the aim of achieving the Premium (IE3) efficiency class according to the EN 60034-30 standard and guarantee high performance with low energy use. There are various types of hydraulics, to adapt perfectly to any type of application.

Uniqa Ex

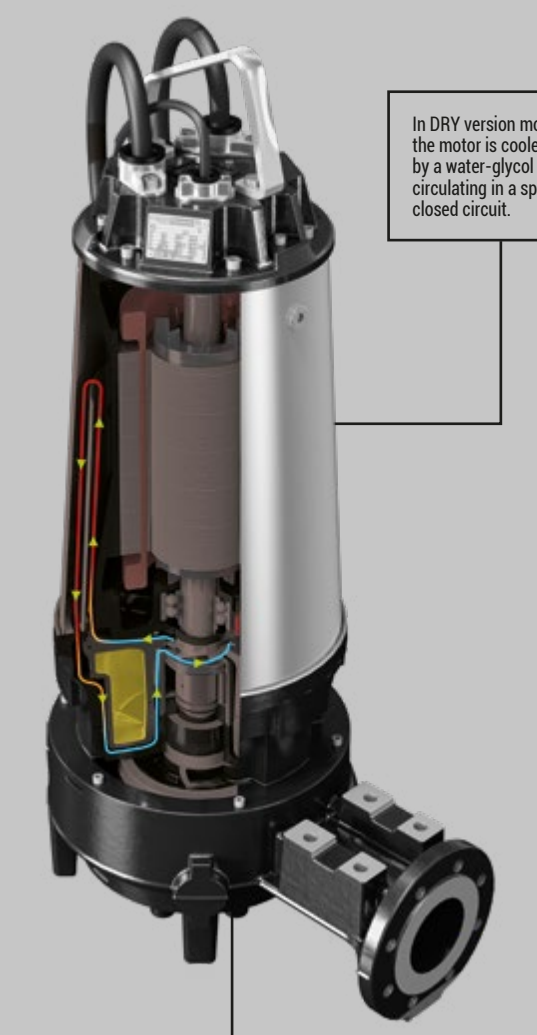
ZUG V Motor power 3 - 45 kW Poles 2/4 Delivery port DN65 ÷ DN150 H Free passage max 125 mm Max flow rate 110.0 l/s Max head 75.0 m Impeller vortex

ZUG OC Motor power 1.1 ÷ 355 kW Poles 2/4/6/8/10/12 Delivery port DN65 ÷ DN500 H Free passage max 220 x 110 mm Max flow rate 1600.0 l/s Max head 100.0 m Impeller channel impeller with anti-clogging and fouling system

ZUG GR Motor power 4 - 11 kW Poles 2 Delivery port DN50 ÷ 62" H Free passage max 8.0 l/s Max head 57.0 m Impeller with grinder system

ZUG HP Motor power 4 - 11 kW Poles 2 Delivery port DN50 ÷ 62" H Free passage max 10 mm Max flow rate 11.0 l/s Max head 61.0 m Impeller high head

ZUG CP Motor power 3 - 45 kW Poles 2/4/6 Delivery port DN80 ÷ DN250 Free passage max 244.0 l/s Max head 75.0 m Impeller Chopper impeller in hard cast iron as standard



In DRY version models, the motor is cooled by a water-glycol mix circulating in a special closed circuit.

- Cast iron structure
- Thermal protection devices incorporated in stator
- Long life bearings (100,000 hours)
- AISI 431 drive shaft (AISI 329 on request)
- Leakage detection system in seal chamber (standard) and motor (on request)
- Two silicon carbide mechanical seals in large oil chamber
- Discharge from DN50 to DN500
- Large free passage declared for every model
- Operating temperature up to 40°C (up to 60° on request)
- ATEX certification (WET) II 2G Ex db h IIB T4 Gb (DRY) II 2GD Ex db h IIB T4 Gb / EX h tb IIIC T135°C Db



zenit.com/uniqa

LIFTING BOX

SOLUTIONS FOR COLLECTING AND PUMPING WASTEWATER TO THE SEWER SYSTEM

DOMESTIC

Flood Pump Kit
Pumping-out flooded premises - Clear or slightly soiled wastewaters
Stainless steel suction strainer - Plastic box - Delivery Pipe - Connectors

Included pumps	DR steel 25	Max flow rate	30 l/m
Power	0.25 kW	Max head	8.5 m
Poles	2	Dim.	600 x 400 x 260 mm
Delivery	GAS 1½" V		
Free passage	max 10 mm		

nanoBOX
Domestic wastewater - Wastewater from washing-machines, showers and sinks - Not suitable for WCs - 10m cable and integral float switch

Capacity	33 l	°C Liquid max	35°
Installed pumps	DR steel	Max head	8.5 m
Delivery	1 x DN30	Dim. (mm)	410 x 360 x 310
	1 x DN40/DN32		
Free passage	max 10 mm		

miniBOX
miniBOX makes it possible to create a bathroom in any part of a house, even if it is a great distance from the soil stack or below the invert level of the drain

Capacity	6 l	Delivery	DN32/DN40
Installed pumps	GR steel	Dim.	553 x 356 x 150 mm
Tank material	Polyethylene	Control system	Automatic
Installation	External, wall		with float switch
Cable	1.5 m		

blue BOX

Suitable for collecting and lifting clear, rain and wastewater in systems installed at a lower level than the sewer.
The entire range uses blue, bluePRO Series and steel pumps.

60

Number of pumps	1
°C Liquid max	40°C
Suggested pumps	DR/DSteel 37
Inlets	9xØ110 - 1xØ175
Outlets	1xØ1½" - 1xØ2"
Pipe Delivery	Ø1½" [PVC]
Dim. (mm)	480 x 400 x 370 mm

90

Number of pumps	1
°C Liquid max	40°C
Suggested pumps	DR/DSteel 37
Inlets	9xØ110 - 1xØ175
Outlets	1xØ1½" - 1xØ2"
Pipe Delivery	Ø1½" - Ø2" [PVC]
Dim. (mm)	480 x 610 x 370 mm

150

Number of pumps	1
°C Liquid max	40°C
Suggested pumps	DR/Steel 55
Inlets	9xØ110 - 1xØ175
Outlets	1xØ1½" - 1xØ2"
Pipe Delivery	Ø1½" - Ø2" [PVC]
Dim. (mm)	580 x 660 x 480

250

Number of pumps	1
°C Liquid max	40°C
Suggested pumps	DR/Steel 55/DSteel 55, DbluePRO 150, GRbluePRO 200
Inlets	6xØ110
Outlets	1xØ1½" + Ø2"
Pipe Delivery	Ø1½" [PVC]- Ø2" [ZN]
Dim. (mm)	900 x 660 x 550

400

Number of pumps	1/2
°C Liquid max	40°C
Suggested pumps	DR/Steel 55/DSteel 55, DbluePRO 150, GRbluePRO 200
Inlets	12xØ110
Outlets	2xØ1½" + Ø2"
Pipe Delivery	Ø1½" [PVC]- Ø2" [ZN]
Dim. (mm)	900 x 660 x 1000

verti BOX

vertiBOX lifting stations can be used in a wide range of situations thanks to their modular structure, which allows the installation to be optimised for the specific usage.

M

Capacity	300/420 l
Number of pumps	1
Suggested pumps	DR steel 37
°C Liquid max	40°C
Inlets	DN50 + DN200
Outlets	61%
Dim. (mm)	850/1200 x Ø670

V

Capacity	600/900/1200 l
Number of pumps	1/2
Suggested pumps	DG/GRbluePRO, DG/GR Grey
°C Liquid max	40°C
Delivery	1½" - 2"
Dim. (mm)	1405/1705/2050 x Ø1125/1155/1155

sphere BOX

The sphereBOX lifting station incorporates various modular components allowing a custom composition which adapts to the needs of users.

M

Capacity	1000 l
Number of pumps	1/2
Suggested pumps	DG/GR Grey
°C Liquid max	40°C
Inlets	3xØ160 - 2xØ110
Outlets	1/2 x DN50 + DN150
Dim. (mm)	1140 x 1326 x Ø800

V

Capacity	2000 l
Number of pumps	1/2
Suggested pumps	DG/GR Grey
°C Liquid max	40°C
Inlets	3xØ160 - 2xØ110
Outlets	1/2 x DN50 + DN150
Dim. (mm)	1016 x 2310 x Ø600

BOX PRO

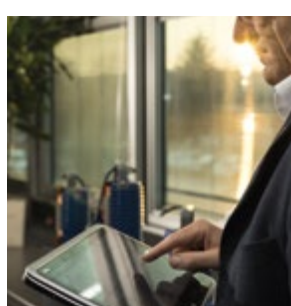
Range up to 18000 litres designed to withstand underground pressures and ensure rapid installation.
BOX PRO lifting stations can house either one or two submersible pumps with vortex, channel or grinding impellers.

M

Capacity	10000 + 9500 l
Number of pumps	1/2
Suggested pumps	DG/GR Grey
°C Liquid max	40°C
Inlets	3xØ160 - 2xØ110
Outlets	1/2 x DN50 + DN150
Dim. (mm)	1624 x 2015 + 4500 x Ø800

V

Capacity	10000 + 18000 l
Number of pumps	1/2
Suggested pumps	DG/GR Grey
°C Liquid max	40°C
Inlets	3xØ160 - 2xØ110
Outlets	1/2 x DN50 + DN150
Dim. (mm)	2246 x 2520 + 4500 x Ø1000



better together



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The digital version of this catalogue is available for download at: www.zenit.com

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MIXING SYSTEMS

SOLUTIONS FOR THE CIVIL AND INDUSTRIAL WASTEWATER TREATMENT SECTOR

MIXERS

Submerged mixers are the key components of modern water treatment systems. They are mainly used in equalisation, homogenisation and denitrification processes, for phosphate extraction and where liquids have to be mixed or stirred to reduce sedimentation.

ZMD

Structure	Cast iron EN-GJL250
Motors	0.75 - 4 kW - 4/6/8 poli
Propeller	1450/950/750 rpm
Propeller	Stainless steel AISI 316
Propeller	Ø200 - Ø400
Transmission	Direct
Thrust	160 - 900 Nm

ZMR

Structure	Cast iron EN-GJL250
Motors	4 - 7.5 kW - 4 poli
Propeller	1450 rpm
Propeller	Stainless steel AISI316
Propeller	Ø650
Transmission	Reduction Gear
Thrust	1025 - 2135 Nm

AERATION SYSTEMS

FOR THE CIVIL AND INDUSTRIAL WASTEWATER TREATMENT SECTOR

AERATION

A line of aeration products for the highly specialised civil and industrial wastewater treatment sector. The Zenit Group range comprises 9" and 12" disc-shaped air diffusers, 2" tubular air diffusers and Venturi-type submerged aerators.

OXYPLATE 9"/12"

Outside diameter	270/340 mm
Min. operating flow rate	2 Nm ³ /h
Max. operating flow rate	6/10 Nm ³ /h
Limit flow rate	10/15 Nm ³ /h
Active surface area	0.038/0.06 m ²
Membrane thickness	2 ± 0.15 mm

OXYTUBE 500/750/1000

Outside diameter	63 mm
Lunghezza perforazioni	500/750/1000 mm
Min. operating flow rate	1/2/3 Nm ³ /h
Max. operating flow rate	6/12/12 Nm ³ /h
Limit flow rate	10/15/20 Nm ³ /h
Active surface area	0.09/0.135/0.18 m ²
Membrane thickness	1.7 ± 0.2 mm

OXYINOX L305/L610

Body material	AISI 316
Top/bottom hole diameter	4/8 mm
Thread connection	3/4" NPT
Nominal flow rate	20.0/40.0 Nm ³ /h
Minimum operating flow rate	3.5/7.0 Nm ³ /h
Maximum operating flow rate	40/80 Nm ³ /h
Pressure drops at nominal flow rate	~9.5 cm

JETOXY 50

Diffuser body/cone	G.J.L.-250
Nuts and bolts	Stainless steel

JETOXY 80 ± 300

Body	Cast iron G.J.L.-250
Diffuser cone	Stainless steel - AISI 304
Diaphragm	Vulkollan
Nuts and bolts	Stainless steel

PRODUCT OVERVIEW

SUBMERSIBLE ELECTRIC PUMPS
AERATION AND MIXING SYSTEMS
LIFTING STATIONS
CONTROL PANELS



CONTROL PANELS

Zenit electronic and electromechanical control panels are suitable for the control of any single-phase or three-phase submersible pump, with direct or star/delta starting.

ELECTROMECHANICAL STANDARD

Electromechanical control panels, designed to control 1, 2 or 3 single-phase, direct starting three-phase or V/Delta starting three-phase pumps, are made using the best components available, to guarantee excellent reliability and easy procurement of replacement parts.

ELECTROMECHANICAL FULL SERVICE

Electromechanical control panels, including gradual machine start and stop with integrated soft-start devices, or variable speed motor operation with inverters, which allow regulation of the pump's duty point.

ELECTRONIC STANDARD

Electronic control panels designed to control 1, 2 or 3 single-phase pumps with power from 0.37 kW up to 2.2 kW or 1, 2 or 3 three-phase pumps with power from 0.55 kW up to 15 kW.

Designed for use with float switches or level sensors, they allow users to set alternating pump duty cycles and maximum or minimum level alarm output.

ELECTRONIC FULL SERVICE

State-of-the-art management and control tool, for their pumping systems in addition to standard electronic control panel functions: a multilingual menu allows the users to select the operating mode and maintenance costs.

With the aid of an optional APP, users can monitor all system operation aspects at all times.

