



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 335 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 335 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 11.6 m
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 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

zenit.com/steel

zenit.com/blue

zenit.com/bluePRO

zeno

NAVIGATOR SUITE

A set of tools for the complete management and configuration of Zenit products and spare parts, online and offline. Select, dimension, search and offer in an easy and intuitive way.

zenit.com/zenonavigator



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
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 7 mm
Max flow rate 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 max 120mm
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



DGF
Motor power 0.55 ÷ 1.5 kW
Poles 2/4
Delivery port GAS 1½"-2½" V
Free passage max 80 mm
Max flow rate 16.7 l/s
Max head 17.5 m
Impeller vortex



DRF
Motor power 0.55 ÷ 1.5 kW
Poles 2/4
Delivery port GAS 1½"-2" V
Free passage max 50 mm
Max flow rate 17.6 l/s
Max head 16.5 m
Impeller open multi-channel



GRF
Motor power 1.1 ÷ 1.5 kW
Poles 2
Delivery port GAS 1½"-DN32 H
Free passage
Max flow rate 6.4 l/s
Max head 23 m
Impeller with grinder system



APF
Motor power 1.1 ÷ 1.5 kW
Poles 2
Delivery port GAS 1½"-DN32 H
Free passage max 7 mm
Max flow rate 7.6 l/s
Max head 22.6 m
Impeller high head



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 38 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

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

zenit.com/E-S

zenit.com/O

zenit.com/F

zenit.com/XYB

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 ÷ 1.5 Under development

Grey



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 ÷ 9 kW
Poles 2/4
Delivery Port GAS 1½"-2" H
Free Passage
Max flow rate 8.4 l/s
Max head 53.5 m
Impeller with grinder system



APG
Motor power 0.75 ÷ 9 kW
Poles 2
Delivery Port 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

zenit.com/grey



APPLICATIONS INDUSTRIAL - WATER TREATMENT

1.8 ÷ 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



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 1.8 ÷ 355 kW
Poles 2/4/6/8/10/12
Delivery port DN80-DN600 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-G2" H
Free passage
Max flow rate 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-G2" 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 flow rate 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 (stainless steel on request)
- 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 60°C (up to 80° on request)
- ATEX II 2G db k IIB T4 / II 2D Ex tb IIIC T135°C certification

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
Pipes.....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/DGsteel 37
Inlets.....9xØ110 - 1xØ75
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/DGsteel 37
Inlets.....9xØ110 - 1xØ75
Outlets.....1xØ1½" - 1xØ2"
Pipe Delivery.....Ø1½" [PVC]
Dim. (mm).....480 x 610 x 370 mm



150
Number of pumps.....1
°C Liquid max.....40°C
Suggested pumps.....DRsteel 37, DGsteel 55
Inlets.....9xØ110 - 1xØ75
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.....DRsteel 37, DGsteel 55, DGbluePRO 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.....DRsteel 55, DGsteel 55, DGbluePRO 150, GRbluePRO 200
Inlets.....12xØ110
Outlets.....2xØ1½" + Ø2"
Pipe Delivery.....Ø1½" [PVC]- Ø2" [ZN]
Dim. (mm).....900 x 660 x 1000

verti BOX

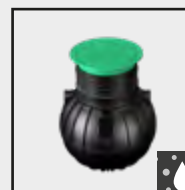
vertiBOX lifting stations can be used in a wide range of situations thanks to their modular structure, which allows the installation to be optimised for the specific usage.



Capacity.....300/420 l
Number of pumps.....1
Suggested pumps.....DR steel 37
°C Liquid max.....40°C
Inlets.....DN50 v DN200
Outlets.....Ø1½"
Dim. (mm).....850/1200 x Ø670

sphere BOX

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



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

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.....1000 l
Number of pumps.....1/2
Suggested pumps.....DG/GR Grey
.....Uniga ZUG V/ ZUG GR
°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
.....Uniga ZUG V/ ZUG GR
°C Liquid max.....40°C
Inlets.....3xØ160 - 2xØ110
Outlets.....1/2 x DN50 ÷ DN150
Dim. (mm).....1016 x 2310 x Ø600



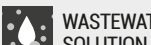
S
Capacity.....4000 ÷ 9500 l
Number of pumps.....1/2
Suggested pumps.....DG/GR Grey
.....Uniga ZUG V/ ZUG GR
°C Liquid max.....40°C
Inlets.....3xØ160 - 2xØ110
Outlets.....1/2 x DN50 ÷ DN150
Dim. (mm).....1624 x 2015 ÷ 4500 x Ø800



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



DRAINAGE SOLUTION



WASTEWATER SOLUTION



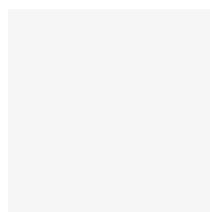
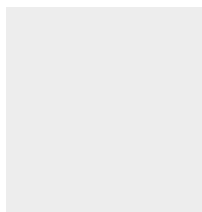
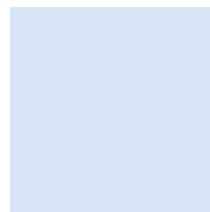
water solutions



water solutions

PRODUCT OVERVIEW

SUBMERSIBLE ELECTRIC PUMPS
AERATION AND MIXING SYSTEMS
LIFTING STATIONS
CONTROL PANELS



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.



Structure.....Cast iron EN-GJL250
Motors.....0.75 ÷ 4 kW - 4/6/8 poli
Propeller.....1450/960/750 rpm
Propeller.....Stainless steel AISI 316
Propeller.....Ø200 ÷ Ø400
Transmission.....Direct
Thrust.....160 ÷ 900 Nm



Structure.....Cast iron EN-GJL250
Motors.....4 ÷ 18.5 kW - 4 poli
Propeller.....Stainless steel AISI316
Propeller.....Ø650/900
Transmission.....Reduction Gear
Thrust.....1025 ÷ 4500 Nm

AERATION SYSTEMS

FOR THE CIVIL AND INDUSTRIAL WASTEWATER TREATMENT SECTOR

AERATION

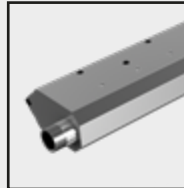
A line of aeration products for the highly specialised civil and industrial wastewater treatment sector. The Zenit Group range comprises 9" and 12" disc-shaped air diffusers, 2" tubular air diffusers and Venturi-type submerged aerators.



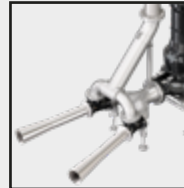
OXYPLATE 9"/12"
Outside diameter.....270/340 mm
Min. operating flow rate.....2 Nm³/h
Max. operating flow rate.....6/10 Nm³/h
Limit flow rate.....10/15 Nm³/h
Active surface area.....0.038/0.06 m²
Membrane thickness.....2 ÷ 0.15 mm



OXYTUBE 500/750/1000
Outside diameter.....63 mm
Lunghezza perforazioni.....500/750/1000 mm
Min. operating flow rate.....1/2/3 Nm³/h
Max. operating flow rate.....6/9/12 Nm³/h
Limit flow rate.....10/15/20 Nm³/h
Active surface area.....0.09/0.135/0.18 m²
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 Nm³/h
Minimum operating flow rate.....3.5/7.0 Nm³/h
Maximum operating flow rate.....40/80 Nm³/h
Pressure drops at nominal flow rate.....~9.5 cm



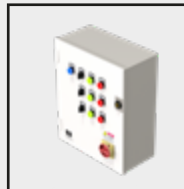
JETOXY 50
Diffuser body/cone.....G.J.L.-250
Nuts and bolts.....Stainless steel
JETOXY 80÷300
Body.....Cast iron G.J.L.-250
Diffuser cone.....Stainless steel - AISI 304
Diaphragm.....Vulkollan
Nuts and bolts.....Stainless steel

CONTROL PANELS

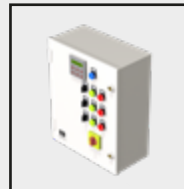
FOR SINGLE OR THREE-PHASE SUBMERSIBLE PUMP, WITH DIRECT OR STAR/DELTA STARTING

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.



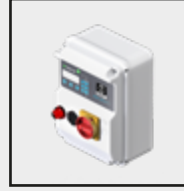
ELECTROMECHANICAL STANDARD
Electromechanical control panels, designed to control 1, 2 or 3 single-phase, direct starting three-phase or V/Delta starting three-phase pumps, are made using the best components available, to guarantee excellent reliability and easy procurement of replacement parts.



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 best suited to requirements, optimising running and maintenance costs.
With the aid of an optional APP, users can monitor all system operation aspects at all times.

zenit.com



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

2904060604040002 - REV/7 - 2019 - EN