



PRORIL

PRORIL was established in 1979, starting from a small motor factory where it has transformed itself into a global size submersible pump manufacturer. Its perseverance and dedication of making high quality products and maintaining a strong working etiquette are mere images of the founder's belief and philosophy that contribute to the success of PRORIL.

PRORIL specializes in submersible pump manufacturing service, and continues investing in the fluid dynamics design, motor efficiency enhancement, and R&D of various metal alloys. The integration of upstream and downstream suppliers has completed the manufacturing chain that PRORIL proudly offers to its customers. PRORIL goes through stringent quality procedures where its quality management system conforms to the global standards.

Today, PRORIL has developed a complete product line that covers dewatering pumps, sewage pumps, slurry pumps, and others. They are applicable in general drainage, construction, industrial sites, wastewater treatment, sludge removal, and so on. Furthermore, PRORIL's professional R&D team continuously improves the product performance to meet various needs in tough dewatering applications.

PRORIL Pumps Europe is based in the Netherlands and carries an extensive stock of pumps and parts which is complemented by a modern workshop and testing facilities. Decades of pump experience ensures that you will receive the best service possible.









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TANK SERIES

HIGH CHROME DEWATERING PUMP

Designed for continuous operations, excellent performance and easy maintenance, PRORIL Tank series pumps have proven their reliability and durability in demanding areas like construction, mining, tunneling, quarries, industries and rental applications.

FEATURES

1 Watertight Cable Entry

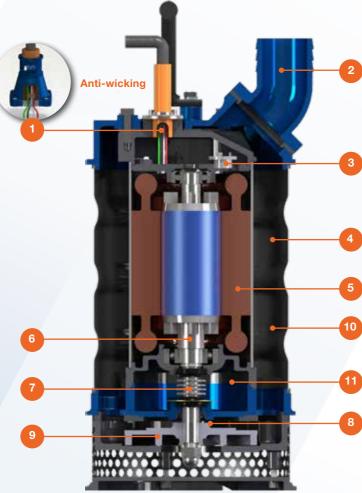
The cable entry employs an anti-wicking block where each conductor is stripped and encapsulated in epoxy. This feature effectively prevents water from penetrating the motor chamber when the cable end is submerged or the cable sheath is damaged.

- 2 Multi-Direction BSP Discharge Coupling
 Discharge can be converted between vertical and
 horizontal directions. In pumps 7,5 kW and larger, a
 vertical discharge connection is supplied as standard.
- 3 Motor Protector

 The motor incorporates a circle thermal protector which protects against overheating and dry-run.
- 4 Top Discharge and Double Housing Design
 Designed to construct a water jacket that provides
 maximum motor cooling effect for continuous operation
 at low water level, this feature forms the cylindrical and
 slim shape of the pump and enables the pump to be
 installed in confined spaces.
- 5 Submersible Motor

 Air filled motor, housed in a watertight casing, conforms to Class F insulation.
- 6 C3 Ball Bearings and Hardened SS Shaft
 High quality of C3 ball bearings and the well-balanced,
 hardened stainless steel shaft enhance stability during





- **7 EagleBurgmann** Double Mechanical Seals
 Located in the oil chamber, the device is made of quality
 materials with highly wear-resistant silicon carbide in lower side
- 8 Extra Protection for Mechanical Seals and Shaft
 Lip seals and shaft sleeves are utilized for additional protection
 against wear.

that provides extra protection against leakage and dry-run.

- 9 High Chrome Steel Impeller PRORIL patent formula, ACrS Tech is applied to all high chrome steel impellers. This technology increases wear resistance to particle abrasion.
- 10 Durable Outer Jacket and Strainer

 Corrugated Outer Jacket and strainer made from 304 stainless steel provide impact resistance to harsh handling and conditions. In pumps 7,5 kW and larger, flat 304 stainless steel outer casing is provided as standard.
- 11 Food Grade Lubricant
 PRORIL adopts eco-friendly lubricant to minimize
 environmental impacts.



Advanced Chromium Steel Tech Material

Designed for high wear resistance and superb corrosion resistance, ACrS Tech is applied to all our TANK series impellers to tackle tough challenging applications. The use of ACrS Tech chromium steel material significantly reduces operational costs.





Heavy Duty PUR Cable

As rugged as our pumps. Provides an ultra-solid solution to the weak spot of every submersible pump. Increases safety on the construction site with maximum visibility.



Adjustable BSP Discharge Coupling

The discharge coupling can be adjusted to vertical or horizontal directions. In 7,5 kW and larger pumps, a vertical discharge connection is standard.



Watertight Cable Entry

The cable entry features an anti-wicking block where each conductor is stripped and encased in epoxy. In doing so, water is effectively prevented from entering the motor chamber when the cable end is submerged or should the cable sheath become damaged.

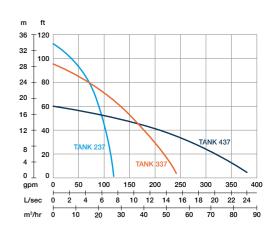


TANK

237 337 437



TANK	237	337	437
Outlet	2" (BSP)	3" (BSP)	4" (BSP)
Rated Output	3.7 kW	3.7 kW	3.7 kW
Shaft Speed	2850 rpm	2850 rpm	2850 rpm
Solid Passage	10 mm	10 mm	10 mm
Height	625 mm	630 mm	630 mm
Diameter	Ø 291 mm	Ø 269 mm	Ø 284 mm
Weight	61 kg	42 kg	42 kg



TANK

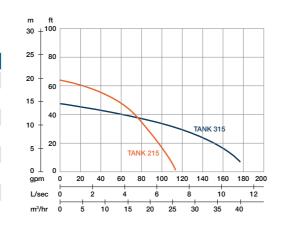
215 315



TANK	215	315
Outlet	2" (BSP)	3" (BSP)
Rated Output	1.5 kW	1.5 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	9 mm	9 mm
Height	568 mm	568 mm
Diameter	Ø 253 mm	Ø 267 mm
Weight	33 kg	33 kg

Also available in 230 Volt (S)

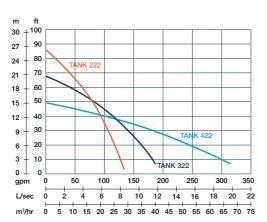
222 322 422





TANK

TANK	222	322	422
Outlet	2" (BSP)	3" (BSP)	4" (BSP)
Rated Output	2.2 kW	2.2 kW	2.2 kW
Shaft Speed	2850 rpm	2850 rpm	2850 rpm
Solid Passage	9 mm	9 mm	9 mm
Height	598 mm	598 mm	630 mm
Diameter	Ø 253 mm	Ø 267 mm	Ø 284 mm
Weight	35 kg	35 kg	43 kg

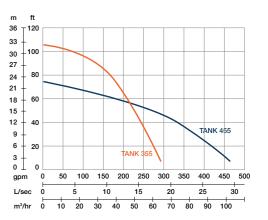


TANK

355 455



TANK	355	455
Outlet	3" (BSP)	4" (BSP)
Rated Output	5.5 kW	5.5 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	10 mm	10 mm
Height	656 mm	656 mm
Diameter	Ø 306 mm	Ø 320 mm
Weight	60 kg	60 kg

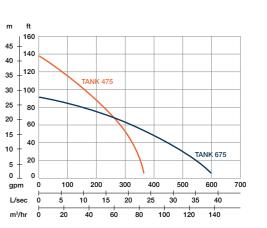


TANK

475 675



TANK	475	675
Outlet	4" (BSP)	6" (BSP)
Rated Output	7.5 kW	7.5 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	15 mm	15 mm
Height	801 mm	826 mm
Diameter	Ø 317 mm	Ø 317 mm
Weight	93 kg	97 kg

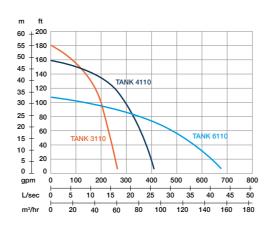


TANK

3110 4110 6110



TANK	3110	4110	6110
Outlet	3" (BSP)	4" (BSP)	6" (BSP)
Rated Output	11 kW	11 kW	11 kW
Shaft Speed	2850 rpm	2850 rpm	2850 rpm
Solid Passage	12 mm	15 mm	15 mm
Height	863 mm	858 mm	870 mm
Diameter	Ø 354 mm	Ø 354 mm	Ø 354 mm
Weight	135 kg	135 kg	137 kg

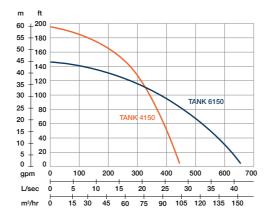


TANK

4150 6150



TANK	4150	6150
Outlet	4" (BSP)	6" (BSP)
Rated Output	15 kW	15 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	15 mm	15 mm
Height	887 mm	899 mm
Diameter	Ø 354 mm	Ø 354 mm
Weight	141 kg	142 kg

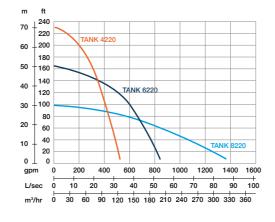


TANK

4220 6220 8220



TANK	4220	6220	8220
Outlet	4" (BSP)	6" (BSP)	8" (BSP)
Rated Output	22 kW	22 kW	22 kW
Shaft Speed	2850 rpm	2850 rpm	2850 rpm
Solid Passage	15 mm	20 mm	20 mm
Height	1085 mm	1099 mm	1154 mm
Diameter	Ø 424 mm	Ø 424 mm	Ø 424 mm
Weight	256 kg	259 kg	264 kg

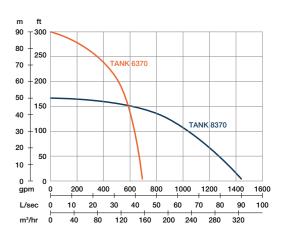


TANK

6370 8370



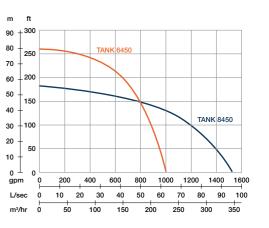
TANK	6370	8370
Outlet	6" (BSP)	8" (BSP)
Rated Output	37 kW	37 kW
Starting method	Star Delta	Star Delta
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	10 mm	20 mm
Height	1294 mm	1256 mm
Diameter	Ø 532 mm	Ø 532 mm
Weight	510 kg	510 kg



TANK



TANK	6450	8450
Outlet	6" (BSP)	8" (BSP)
Rated Output	45 kW	45 kW
Starting method	Star Delta	Star Delta
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	10 mm	20 mm
Height	1294 mm	1256 mm
Diameter	Ø 532 mm	Ø 532 mm
Weight	530 kg	530 kg



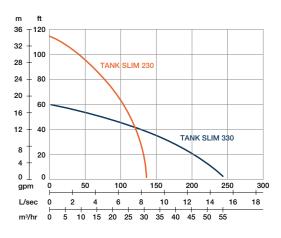


TANK SLIM

230 330



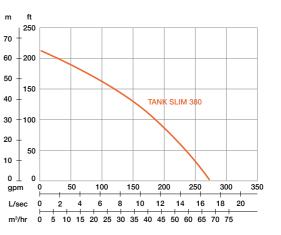
TANK SLIM	230	330
Outlet	2" (BSP)	3" (BSP)
Rated Output	3 kW	3 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	7 mm	7 mm
Height	659 mm	629 mm
Diameter	Ø 188 mm	Ø 188 mm
Weight	45 kg	38 kg



TANK SLIM



TANK SLIM	380
Outlet	3" (BSP)
Rated Output	8 kW
Shaft Speed	2850 rpm
Solid Passage	8 mm
Height	798 mm
Diameter	Ø 283 mm
Weight	92 kg





STORMY SERIES

OPEN STAND AND AGITATOR, STRAINER AND AGITATOR

Rugged, reliable and cost effective, the Stormy series pumps come complete with patented high chrome impellers, agitators, and wear plates to withstand tough slurry transportation. STORMY pumps are designed with two different types of pump stands, the open stand and the strainer. Our slurry pumps serve a wide range of slurry transport applications like mining, quarrying, construction sites, and other demanding industries.

FEATURES

1 Watertight Cable Entry

The cable entry employs an anti-wicking block where each conductor is stripped and encapsulated in epoxy. This feature effectively prevents water from penetrating the motor chamber when the cable end is submerged or the cable sheath is damaged.

2 Top Discharge and Side Flow Design

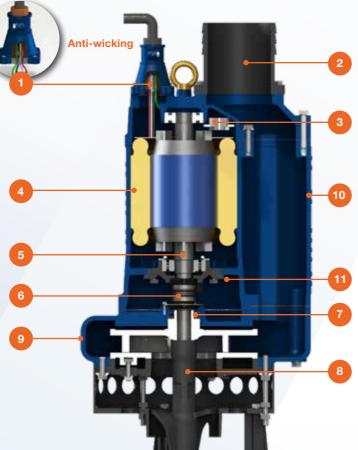
Designed to cool the motor with pumped water even at low water level, this feature forms the cylindrical and slim shape of the pump and enables the pump to be installed in confined spaces.

3 Motor Protector

The motor incorporates a circle thermal protector which protects against overheating and dry-run.

4 Submersible 4-Pole Motor





T Extra Protection for Mechanical Seals and Shaft Lip seals and shaft sleeves are utilized for additional protection

8 High Chrome Steel Impeller, Agitator, and Wear plate PRORIL patent formula, ACrS Tech is applied to all high chrome steel components, including impellers, agitators, and wear plates. This

The pump volute is made from hardened cast ductile iron. This

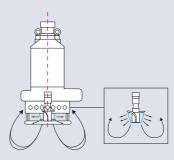
provides durability and impact resistance to rough conditions.

11 Food Grade Lubricant

PRORIL adopts eco-friendly lubricant to minimize environmental impacts.



How the agitator works



The rigid agitator delivers kinetic energy (energy of motion) to stir solids surrounding the pump intake, re-suspending them into a fluid state for easy pumping.

Agitator fastening

Conventional: The agitator is simply attached onto the end of the pump shaft. As the agitator is only fastened at a single point, the agitator points, ensuring that the agitator cannot can loosen itself or come off during use.

PRORIL Pump's design: By using a prolonged pump shaft, the agitator is fastened at three separate

High Chrome Steel Impeller, Agitator and Wear plate

Designed for high wear resistance and superb corrosion resistance, ACrS Tech is applied to all our STORMY series impellers, agitators and wear plates to tackle tough challenging applications. The use of ACrS Tech chromium steel material significantly reduces operational costs.



Heavy Duty PUR Cable

As rugged as our pumps. Provides an ultra solid solution to the weak spot of every submersible pump. Extra safety on the construction site and maximum visibility.



Watertight Cable Entry

The cable entry employs an anti-wicking block where each conductor is stripped and encapsulated in epoxy. This feature effectively prevents water from penetrating the motor chamber when the cable end is submerged or the cable sheath is damaged.



STORMY

337 437







STORMY	337	437
Outlet	3" (BSP)	4" (BSP)
Rated Output	3.7 kW	3.7 kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	25 mm	25 mm
Height (P) Height (S)	762 mm 793 mm	783 mm 814 mm
Diameter (P) Diameter (S)	Ø 385 mm Ø 382 mm	Ø 385 mm Ø 382 mm
Weight ® Weight ®	110 kg 115 kg	110 kg 115 kg

P = open stand S = strainer

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	50				\top	\neg						
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STORMY

355 455

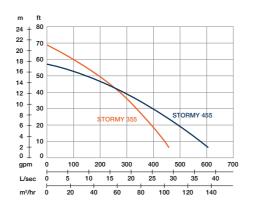






STORMY	355	455
Outlet	3" (BSP)	4" (BSP)
Rated Output	5.5 kW	5.5 kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	25 mm	25 mm
Height (P) Height (S)	806 mm 806 mm	826 mm 826 mm
Diameter (P) Diameter (S)	Ø 420 mm Ø 412 mm	Ø 420 mm Ø 412 mm
Weight ® Weight ®	123 kg 131 kg	124 kg 132 kg

(P) = open stand (S) = strainer



STORMY

475

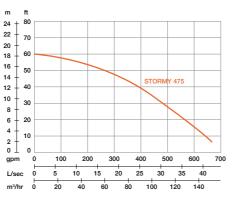






TORMY	475
utlet	4" (BSP)
ated Output	7.5 kW
haft Speed	1450 rpm
olid Passage	25 mm
eight (P) eight (S)	826 mm 826 mm
iameter (P) iameter (S)	Ø 420 mm Ø 412 mm
/eight (P) /eight (S)	124 kg 132 kg

(P) = open stand (S) = strainer





STORMY

4110 6110







STORMY	4110	6110
Outlet	4" (BSP)	6" (BSP)
Rated Output	11 kW	11 kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	25 mm	35 mm
Height (P) Height (S)	901 mm 910 mm	913 mm 922 mm
Diameter (P) Diameter (S)	Ø 479 mm Ø 479 mm	Ø 479 mm Ø 479 mm
Weight P Weight S	191 kg 199 kg	192 kg 200 kg



STORMY

6150 6150L





STORMY	6150	6150L
Outlet	6" (BSP)	6" (BSP)
Rated Output	15 kW	15 kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	35 mm	35 mm
Height (P) Height (S)	913 mm 922 mm	913 mm 922 mm
Diameter (P) Diameter (S)	Ø 479 mm Ø 479 mm	Ø 479 mm Ø 479 mm
Weight ® Weight ®	201 kg 208 kg	201 kg 208 kg

P = open stand S = strainer

m ft
33 +110
30 +100
27 + 90 STORMY 6150
24 + 80 STORMY 8130
21 - 70
18 + 60
15 + 50
12 + 40 STORMY 6150L
9 + 30
6 + 20
3 + 10
0 1 0
gpm 0 300 600 900 1200 1500 1800
L/sec 0 10 20 30 40 50 60 70 80 90 100 110
m³/hr 0 50 100 150 200 250 300 350 400

STORMY

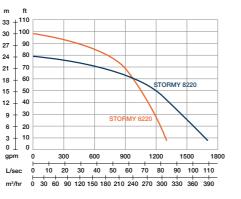




(S)	

STORMY	6220	8220
Dutlet	6" (BSP)	8" (BSP)
Rated Output	22 kW	22 kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	30 mm	40 mm
Height (P) Height (S)	1204 mm 1210 mm	1166 mm 1172 mm
Diameter (P) Diameter (S)	Ø 592 mm Ø 592 mm	Ø 592 mm Ø 592 mm
Veight (P) Veight (S)	345 kg 357 kg	355 kg 367 kg

(P) = open stand (S) = strainer







SEWAGE PUMPS

COMMON FEATURES

1 Watertight Cable Entry

The cable entry employs an anti-wicking block where each conductor is stripped and encapsulated in epoxy. This feature effectively prevents water from penetrating the motor chamber when the cable end is submerged or the cable sheath is damaged.

2 Motor Protector

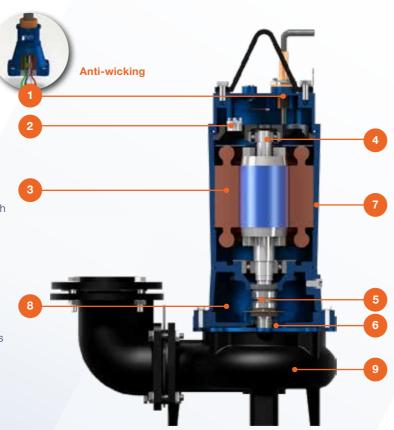
The motor incorporates a motor protection device which protects against overheating and dry-run. Pumps with a capacitor-run or direct-on line starting motor are equipped with a circle thermal protector. Pumps with a start-delta starting motor are equipped with miniature thermal protectors in each phase.

3 Submersible Motor

Air filled motor, housed in a watertight casing, conforms to Class F insulation.

4 C3 Ball Bearings and Hardened SS Shaft

High quality of C3 ball bearings and the well-balanced, hardened stainless steel shaft enhance stability during continuous pumping operations.





Located in the oil chamber, the device is made of quality materials with highly wear-resistant silicon carbide in lower side that provides extra protection against leakage and dry-run.

6 Extra Protection for Mechanical Seals and Shaft

Lip seals and shaft sleeves are utilized for additional protection against wear.

7 Rugged Cast Iron Design

The whole cast iron pump features a simple, robust structure that provides durability and impact resistance to rough conditions.

8 Food Grade Lubricant

PRORIL adopts eco-friendly lubricant to minimize environmental impacts.



9 Impellers and Volutes

Types of impellers and volutes are varied with pump models, cultivated through years of experience in the pump manufacturing industry.

They include singe channel impellers, vortex impellers, semiopen impellers, grinders, and agitators.

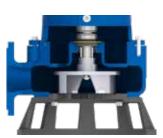


Discharge Bore: 50 - 100 mm Motor: 0.4 ~ 3.7 kW, 2-Pole Motor

Impeller Type: Semi-Open Channel Cutter impeller

Features: Utilizing a cutter mechanism and tungsten carbide alloy to

cut fibrous matters and to prevent clogging.



GOMAX SERIES SINGLE CHANNEL PUMPS

Discharge Bore: 80 - 150 mm Motor: 3.7 ~ 22 kW, 4-Pole Motor Impeller Type: Single Channel impeller

Features: Passing 76mm diameter solids without clogging.



GOVOX SERIES VORTEX PUMPS

Discharge Bore: 50 - 100 mm Motor: 0.4 ~ 7.5 kW. 2-Pole Motor Impeller Type : Vortex impeller

Features: A whirling action enables large solids and fibrous

matters to be pumped out without obstruction.



GOVOX-S SERIES VORTEX & AGITATOR PUMPS

Discharge Bore: 80 - 100 mm Motor: 2.2 ~ 3.7 kW, 2-Pole Motor Impeller Type: Vortex impeller

Features: Coupled with an agitator, which significantly and efficiently

improves solids handling.





GOCUT SERIES

CUTTER PUMPS

- GOCUT Series pumps are designed for handling raw sewages and various wastewater treatments.
- The cutting mechanism shreds fibrous materials into small pieces to prevent from clogging that would happen on a common pump.
- The cutting mechanism consists of a chopper plate and a tungsten carbide alloy tip onto each vane of the semi-open channel impeller.
- Guide rail fittings are available on request.

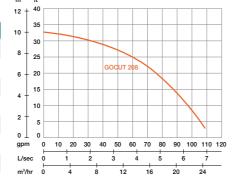


GOCUT

208



GOCUT	208	
Outlet	2" (50 mm)	
Rated Output	0.75 kW	
Shaft Speed	2850 rpm	
Solid Passage	26 mm	
Height	434 mm	
Diameter	Ø 301 mm	
Weight	21.5 kg	



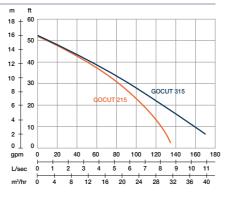
Also available with float switch (A).

GOCUT

215 315



GOCUT	215	315
Outlet	2" (50 mm)	3" (80 mm)
Rated Output	1.5 kW	1.5 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	27 mm	27 mm
Height	463 mm	463 mm
Diameter	Ø 301 mm	Ø 301 mm
Weight	26.5 kg	26.5 kg



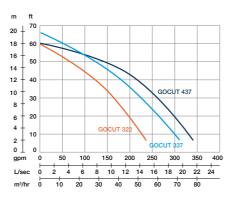
Also available in 230 Volt (S)

GOCUT

322 337 437



GOCUT	322	337	437
Outlet	3" (80 mm)	3" (80 mm)	4" (100 mm)
Rated Output	2.2 kW	3.7 kW	3.7 kW
Shaft Speed	2850 rpm	2850 rpm	2850 rpm
Solid Passage	27 mm	37 mm	37 mm
Height	642 mm	642 mm	642 mm
Diameter	Ø 482 mm	Ø 482 mm	Ø 482 mm
Weight	55 kg	59.5 kg	59.5 kg





GOMAX SERIES

SINGLE CHANNEL PUMPS

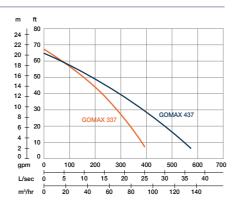
- Designed for passing 76mm diameter solids without clogging, GOMAX series employ a single-channel enclosed impeller to efficiently and reliably transfer raw sewage.
- GOMAX series featured high efficiency, non-clogging, long life, and energy saving.
- The design of air release valve in pump casing prevents air lock.
- GOMAX series are suitable for commercial and industrial wastewater applications.
- Guide rail fittings are available on request.

GOMAX

337 437



GOMAX	337	437
Outlet	3" (80 mm)	4" (100 mm)
Rated Output	3.7 kW	3.7 kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	76 mm	76 mm
Height	673 mm	673 mm
Diameter	Ø 580 mm	Ø 589 mm
Weight	94 kg	97 kg

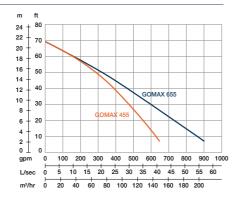


GOMAX

455 655



GOMAX	455	655
Outlet	4" (100 mm)	6" (150 mm)
Rated Output	5.5 kW	5.5 kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	76 mm	76 mm
Height	810 mm	810 mm
Diameter	Ø 693 mm	Ø 752 mm
Weight	132 kg	138 kg

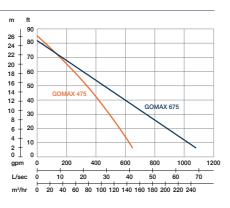


GOMAX

475 675



GOMAX	475	675
Outlet	4" (100 mm)	6" (150 mm)
Rated Output	7.5 kW	7.5 kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	76 mm	76 mm
Height	810 mm	810 mm
Diameter	Ø 693 mm	Ø 752 mm
Weight	142 kg	148 kg



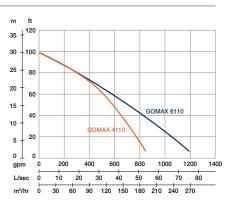


GOMAX

4110 6110



GOMAX	4110	6110
Outlet	4" (100 mm)	6" (150 mm)
Rated Output	11 kW	11 kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	76 mm	76 mm
Height	803 mm	803 mm
Diameter	Ø 753 mm	Ø 813 mm
Weight	167 kg	175 kg

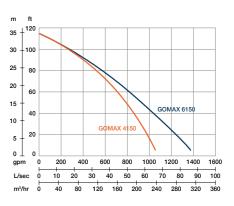


GOMAX

4150 6150



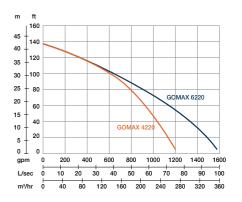
GOMAX	4150	6150
Outlet	4" (100 mm)	6" (150 mm)
Rated Output	15 kW	15 kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	76 mm	76 mm
Height	803 mm	803 mm
Diameter	Ø 753 mm	Ø 813 mm
Weight	178 kg	186 kg



GOMAX



4220	6220
4" (100 mm)	6" (150 mm)
22 kW	22 kW
1450 rpm	1450 rpm
76 mm	76 mm
1007 mm	1007 mm
Ø 808 mm	Ø 867 mm
256 kg	262 kg
	4" (100 mm) 22 kW 1450 rpm 76 mm 1007 mm Ø 808 mm



GOVOX SERIES

VORTEX SEWAGE PUMPS

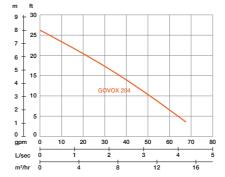
- GOVOX series features its vortex impeller coupled with a wide pump casing. The rotation of the impeller produces a whirling, centrifugal action between the impeller and pump casing. The action enables large solids and fibrous matters to be pumped out without obstruction, leading to less impeller wear and longer pump life.
- Guide rail fittings are available on request.

GOVOX

204



GOVOX	204
Outlet	2" (50 mm)
Rated Output	0.4 kW
Shaft Speed	2850 rpm
Solid Passage	32 mm
Height	395 mm
Diameter	Ø 243 mm
Weight	13.5 kg



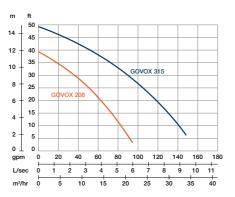
Also available with float switch (A).

GOVOX

208 315



GOVOX	208	315
Outlet	2" (50 mm)	3" (80 mm)
Rated Output	0.75 kW	1.5 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	37 mm	50 mm
Height	473 mm	501 mm
Diameter	Ø 243 mm	Ø 302 mm
Weight	19.5 kg	24 kg
SOVOX 315 also	available in 230 V	olt (S)



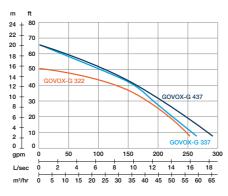
GOVOX-G

322 337 437

Also available with float switch (A).



GOVOX-G	322	337	437
Outlet	3" (80 mm)	3" (80 mm)	4" (100 mm)
Rated Output	2.2 kW	3.7 kW	3.7 kW
Shaft Speed	2850 rpm	2850 rpm	2850 rpm
Solid Passage	47 mm	52 mm	52 mm
Height	643 mm	643 mm	643 mm
Diameter	Ø 464 mm	Ø 464 mm	Ø 464 mm
Weight	59.5 kg	64 kg	64 kg

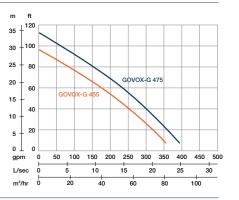


GOVOX-G

455 475



GOVOX-G	455	475
Outlet	4" (100 mm)	4" (100 mm)
Rated Output	5.5 kW	7.5 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	52 mm	52 mm
Height	695 mm	717 mm
Diameter	Ø 464 mm	Ø 464 mm
Weight	72.5 kg	75 kg

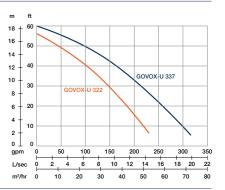


GOVOX-U

322 337



GOVOX-U	322	337
Outlet	3" (BSP)	3" (BSP)
Rated Output	2.2 kW	3,7 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	55 mm	55 mm
Height	655 mm	712 mm
Diameter	Ø 366 mm	Ø 376 mm
Weight	40 kg	49 kg

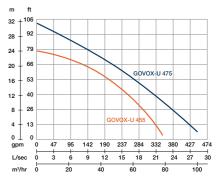


GOVOX-U

455 475



GOVOX-U	455	475
Dutlet	4" (BSP)	4" (BSP)
Rated Output	5.5 kW	7.5 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	55 mm	55 mm
Height	720 mm	754 mm
Diameter	Ø 376 mm	Ø 389 mm
Veight	60 kg	67 kg



GOVOX-S SERIES VORTEX & AGITATOR PUMPS

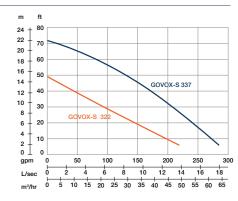
- GOVOX-S series pumps are equipped with an agitator, which forcibly agitates the fluid for easy and efficient transmission of sludge, sand, mud, and debris.
- The agitator prevents air lock that tends to take place on vortex pumps.

GOVOX-S

322 337



GOVOX-S	322	337
Outlet	3" (BSP)	3" (BSP)
Rated Output	2.2kW	3.7kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	13mm	13mm
Height	603mm	660mm
Diameter	Ø373mm	Ø383mm
Weight	43kg	57kg

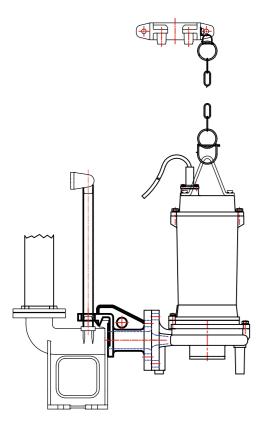


GUIDE RAIL FITTING SYSTEMS

The guide rail fitting system connects the pump to and from the piping simply just by lowering and elevating the pump. The mechanism allows easy maintenance and inspection without the need to enter the sump.

Pump models used in combination with the guide rail fitting system can be identified by the following index and reference.





Guide rail system includes:

- Cast iron upper holder.
- 5 meter stainless steel chain.
- Required fixtures.





SMART SERIES

HANDY & RESIDUE PUMPS

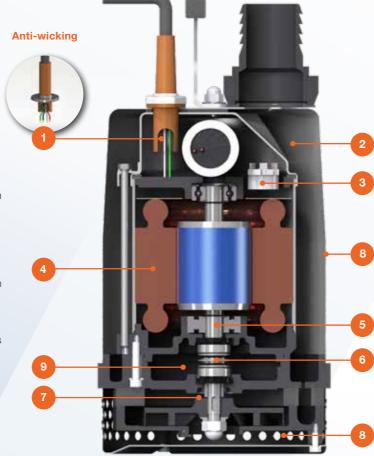
Compact, lightweight and easy to use, the SMART series pumps deliver high performance for their size. These small but effective dewatering pumps are easily maintained and perfect for a variety of applications, such as small construction sites, rental industries, and municipal jobs.

FEATURES

Watertight Cable Entry

The cable entry employs an anti-wicking block where each conductor is stripped and encapsulated in epoxy. This feature effectively prevents water from penetrating the motor chamber when the cable end is submerged or the cable sheath is damaged.

- 2 Top Discharge and Double Housing Design Designed to construct a water jacket that provides maximum motor cooling effect for continuous operation at low water level, this feature forms the cylindrical and slim shape of the pump and enables the pump to be installed in confined spaces.
- 3 Motor Protector The motor incorporates a circle thermal protector which protects against overheating and dry-run.
- 4 Submersible Motor Air filled motor, housed in a watertight casing, conforms to Class F insulation.





5 C3 Ball Bearings and Hardened SS Shaft

High quality of C3 ball bearings and the well-balanced, hardened stainless steel shaft enhance stability during continuous pumping operations.

6 EagleBurgmann Double Mechanical Seals Located in the oil chamber, the device is made of quality materials with highly wear-resistant silicon carbide in lower side

that provides extra protection against leakage and dry-run.

- **7** Extra Protection for Mechanical Seals and Shaft Lip seals and shaft sleeves are utilized for additional protection against wear.
- 8 Durable Outer Jacket and Strainer The outer housing and strainer made of 304 stainless steel provide impact resistant to harsh handling and conditions.
- 9 Food Grade Lubricant PRORIL adopts eco-friendly lubricant to minimize environmental impacts.



SMART

400 750





SMART	400	750
Outlet	2" (BSP)	2" (BSP)
Rated Output	0.4 kW	0.75 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	5.5 mm	7 mm
Height	333 mm	361 mm
Diameter	Ø 184 mm	Ø 184 mm
Weight	12.5 kg	14 kg



m	ft											
18 +	60										Т	
16	50											
14												
12 +	40										+	\dashv
10 +	30	_						SMAF	T 750			
8 +	-						`					
6 +	20			SMA	ART 40	00		 	$\overline{}$		+	+
4 +	10											
2 +	10											
ο 丄	0											
gpm		0 .	10 2	0 3	0 4	0 5	0 6	60	70 8	80	90	100
L/se	С		1		2	3		4	, ,	5	•	
m³/h	r	0 2	4	6	8	10	12	14	16 1	8 2	0	22

SMART

1500



SMART	1500
Outlet	2" (BSP)
Rated Output	1.5 kW
Shaft Speed	2850 rpm
Solid Passage	9 mm
Height	433 mm
Diameter	Ø 225 mm
Weight	23.5 kg

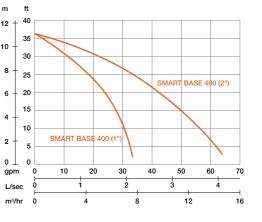
Also available in 230 Volt (S).

m	π												
20 +	70				Т	Т	T		T			Т	
18 🕂	60		\rightarrow		+	+	-	+	+	+		+	
16 +	50					\checkmark							
14 +						`							
12 +	40	_	+	+	+	+	+			+		+	-
10 +	30					SMA	ART 1	500					
8 +	30												
6 +	20		+	_	+	+	+	+	+	+	\setminus	+	-
4 +	10												
2 +													
0 ⊥	0												
gpm	(10	20	30	40	50	60	70	80	90 1	00 11	120	130
L/se	c)	i	2		3 +	4	_	5	6	7		8
m³/h	r ()	4	8		12		16	:	20	24	2	8

SMART BASE



SMART BASE	400
Outlet	1" (BSP) 2" (BSP)
Rated Output	0.4 kW
Shaft Speed	2850 rpm
Solid Passage	2 mm
Height	336 mm
Diameter	Ø 206 mm
Weight	14 kg



SMART LITE

Small, lightweight and cost-effective, the SMART LITE pumps perform an excellent job for their size. These small but effective dewatering pumps are easily maintained and perfect for a variety of applications, such as small construction sites, rental industries, and municipal jobs.

SMART LITE

400



SMART LITE	400
Outlet	2" (BSP)
Rated Output	0.4 kW
Shaft Speed	2850 rpm
Solid Passage	5.5 mm
Height	303 mm
Diameter	Ø 205 mm
Weight	8 kg
Also available with	float switch (A).

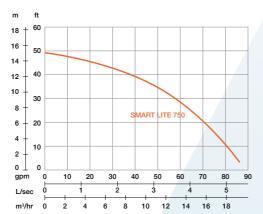
SMART LITE

750



SMART LITE	750
Outlet	2" (BSP)
Rated Output	0.75 kW
Shaft Speed	2850 rpm
Solid Passage	7 mm
Height	343 mm
Diameter	Ø 205 mm
Weight	12.5 kg

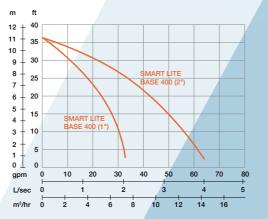
Also available with float switch (A).



SMART LITE BASE



SMART LITE BASE	400
Outlet	1" (BSP) 2" (BSP)
Rated Output	0.4 kW
Shaft Speed	2850 rpm
Solid Passage	2 mm
Height	304 mm
Diameter	Ø 215 mm
Weight	10,5 kg





SAVVY SERIES

HANDY & RESIDUE PUMPS

The SAVVY series pumps are suitable for a variety of domestic applications, including draining basements and garages, emptying swimming pool and fountains, gardening, and hobby applications in general.

FEATURES

1 Watertight Cable Entry

Watertight cable entry prevents water incursion from the capillary wicking.

2 Durable Outer Housing

The outer housing made of 304 stainless steel provides impact resistant to harsh handling and conditions.

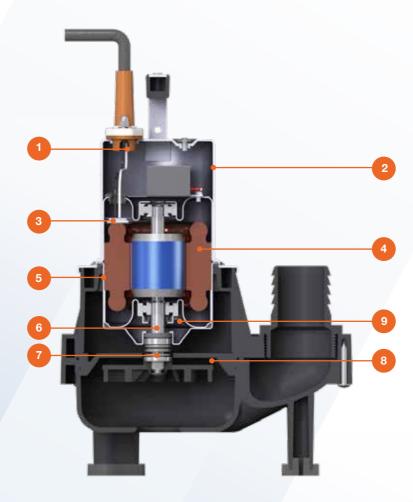
3 Motor Protector

The motor incorporates a miniature thermal protector which protects against overheating and dry-run.

4 Submersible Motor

Air filled motor, housed in a watertight casing, conforms to Class F insulation.





5 Stainless Steel 304 Motor Housing

The material provides superior corrosion resistance.

6 C3 Ball Bearings and Hardened SS Shaft

High quality of C3 ball bearings and the well-balanced, hardened stainless steel shaft enhance stability during continuous pumping operations.

7 Mechanical Seal

The premium mechanical seal provides extra protection against leakage and longer life span.

8 Impact-resistant Nylon pump casing and suction grid

Lightweight design and corrosion-resistance.

9 Food Grade Lubricant

PRORIL adopts eco-friendly lubricant to minimize environmental impacts.



SAVVY 150

FEATURES

- Compact, lightweight, and easy-to-use design
- SAVVY 150: Aluminum alloy outer case with lightweight top cover, impeller, and suction grids.
- Air filled motor with Class F insulation.
- Thermal protection on motor.
- Built-in high torque capacitor.
- Triple seals design.
- Removable filter screen for easy maintenance.

SAVVY

150



SAVVY	150
Outlet	1" (25 mm)
Rated Output	0.15 kW
Shaft Speed	2850 rpm
Solid Passage	6 mm
Height	273 mm
Diameter	Ø 158 mm
Weight	3.2 kg

Also available with float switch (A).

m	ft									
7	25									
6 +	20	_	+							
5 +				+						
4	15			0.000	Y 150					
3 -	10		+	SAVV	Y 150					
2 -	5 —									
1 +										
o 1	0									
gpm		2	4	6	8	10 1	12 14	16	18	20
L/se	c 0	0	,2	0,4	0,0	3	0,8	_ 1	1,2	2
m³/h	ır Ö	0,5	1	1,5	2	2,5	3	3,5	4	



SAVVY

300 600



SAVVY	300	600
Outlet	2" (50 mm)	2" (50 mm)
Rated Output	0.25 kW	0.55 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	6 mm	6 mm
Height	306 mm	341 mm
Diameter	Ø 244 mm	Ø 244 mm
Weight	4 kg	6 kg

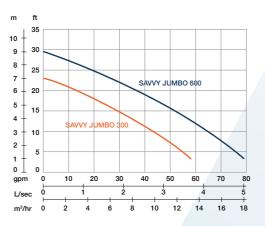
m	π											
12 +	40											
10 +	35		\downarrow							+	+	-
	30		+				+			_		-
8 +	25		+			\leftarrow				_		
6	20					_	SAV	VY 60	00	+		
4	15		+	SAV	/Y 30		+	\		-		
2 -	10		+									_
_	5		+				+			+		
0 1	. 0		10	2		20	40		50	60	70	80
gpm	1 (,	10	. 2	U	30	40		50	60	70	
L/se	ec (_	1		2		3		4		5
m3/l	hr (1	2	4	6	Ω.	1	n	12	14	16	18

SAVVY JUMBO

300 600



SAVVY JUMBO	300	600
Outlet	2" (50 mm)	2" (50 mm)
Rated Output	0.25 kW	0.55 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	35 mm	35 mm
Height	337 mm	372 mm
Diameter	Ø 245 mm	Ø 245 mm
Weight	4.2 kg	6 kg



SAVVY BASE



SAVVY BASE	300	600			
Outlet	1" (25 mm)	2" (50 mm)			
Rated Output	0.25 kW	0.55 kW			
Shaft Speed	2850 rpm	2850 rpm			
Solid Passage	2 mm	5 mm			
Height	304 mm	357 mm			
Diameter	Ø 244 mm	Ø 244 mm			
Weight	4 kg	6 kg			
Also available with float switch (A).					

12 + 40
10 35
30
8 + 25
6 - 20 SAVVY BASE 600
4 - 15
2 - 10 5
0 L 0 SAVVY BASE 300
gpm 0 10 20 30 40 50 60 70 80
L/sec 0 1 2 3 4 5
m³/hr 0 2 4 6 8 10 12 14 16





STAINLESS STEEL PUMPS

DEWATERING & SEWAGE VORTEX

PRORIL stainless steel pumps consist of four dewatering pumps and two sewage pumps. All components in contact with the liquid are made of 304 stainless steel.

Anti-wicking

These pumps are designed for handling clean water or screened wastewater, also applicable to the aquaculture industry with the use of the food-grade lubricant.

FEATURES

1 Watertight Cable Entry

The cable entry employs an anti-wicking block where each conductor is stripped and encapsulated in epoxy. This feature effectively prevents water from penetrating the motor chamber when the cable end is submerged or the cable sheath is damaged.

2 Top Discharge and Double Housing Design
Designed to construct a water jacket that provides
maximum motor cooling effect for continuous operation
at low water level, this feature forms the cylindrical and
slim shape of the pump and enables the pump to be
installed in confined spaces.

3 Motor Protector

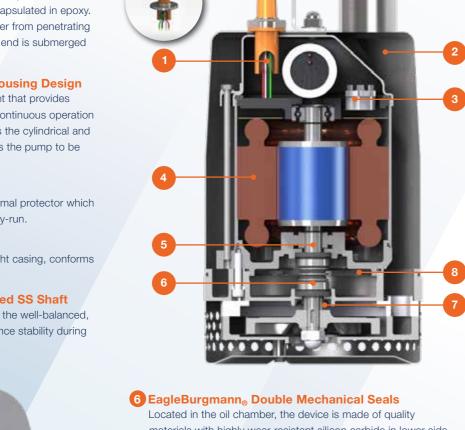
The motor incorporates a circle thermal protector which protects against overheating and dry-run.

4 Submersible Motor

Air filled motor, housed in a watertight casing, conforms to Class F insulation.

5 C3 Ball Bearings and Hardened SS Shaft

High quality of C3 ball bearings and the well-balanced, hardened stainless steel shaft enhance stability during continuous pumping operations.



Located in the oil chamber, the device is made of quality materials with highly wear-resistant silicon carbide in lower side that provides extra protection against leakage and dry-run.

7 Extra Protection for Mechanical Seals and Shaft

Lip seals and shaft sleeves are utilized for additional protection against wear.

8 Food Grade Lubricant

PRORIL adopts eco-friendly lubricant to minimize environmental impacts.



X-SMART

400 750



	1	
X-SMART	400	750
Outlet	2" (BSP)	2" (BSP)
Rated Output	0.4 kW	0.75 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	5.5 mm	7 mm
Height	333 mm	361 mm
Diameter	Ø 180 mm	Ø 180 mm
Weight	13 kg	14 kg

Also available with float switch (A).

m	ft												
18 +	60		_				T						
16 +	55	_	+	-	-		+-	_	-	-	-		
'° †	50	_	+	-	-		-			-	-		_
14 +	45			\rightarrow	=		-			-	-		
12 🕂	40		+	_		\	\vdash			-	_		
	35		+	_				\leftarrow	v c		T 750		
10 +	30		\Rightarrow	\rightarrow	\rightarrow		+-	_	X-8	MAR	T 750		
8 +	25	_	+	-			+			+	-		
6 🕂	20	_	+			_				\setminus	-		
4	15	_	+	X-	SMAI	RT 4	00	\setminus		-	\leftarrow		
	10	<u> </u>	+	-	-		+-	_		-	\rightarrow		_
2 +	5		+	-	-		+-	-	\rightarrow	-	_/	\leftarrow	
o 1	0												
gpm	()	10	20	30		40	50	60	70	80	90	100
L/se	c () 	-	1	, :	2	_	3	4		5	_	6
m³/h	ır (0	2	4	6	8	10	12	14	16	18	20	22

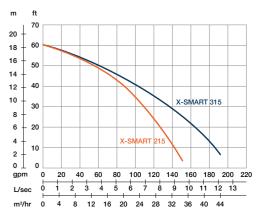
X-SMART

215 315



X-SMART	215	315
Outlet	2" (BSP)	3" (BSP)
Rated Output	1.5 kW	1.5 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	7 mm	7 mm
Height	449 mm	449 mm
Diameter	Ø 186 mm	Ø 186 mm
Weight	19 kg	19 kg

Also available in 230 Volt (S).



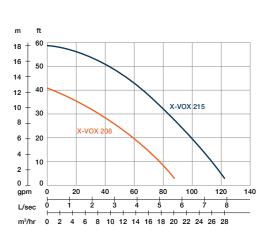
X-VOX

208 215



X-VOX	208	215
Outlet	2" (50 mm)	2" (50 mm)
Rated Output	0.75 kW	1.5 kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	40 mm	37 mm
Height	415 mm	445 mm
Diameter	Ø 233 mm	Ø 233 mm
Weight	12 kg	15 kg

X-Vox 208 also available with float switch (A). X-Vox 215 also available in 230 Volt (S).



ACCESSORIES

PROTECTOR PLUGS

THERMAL AND CURRENT OVERLOAD MOTOR PROTECTOR PLUGS

Standard with phase inverter and sequence indicator.



Setting range	Type plug	16A 5 pole	32A 5 pole
1 - 1,6 A	MP plug ph.inv. 16/5 1.0-1.6A IP67	Code 10	Code 21
1,6 - 2,5 A	MP plug ph.inv. 16/5 1.6-2.5A IP67	Code 11	Code 22
2,5 - 4 A	MP plug ph.inv. 16/5 2.5-4.0A IP67	Code 12	Code 23
4 - 6,3 A	MP plug ph.inv. 16/5 4.0-6.3A IP67	Code 13	Code 24
6,3 - 10 A	MP plug ph.inv. 16/5 6.3-10A IP67	Code 14	Code 25
10 - 16 A	MP plug ph.inv. 32/5 10-16A IP67		Code 26
16 - 20 A	MP plug ph.inv. 32/5 16-20A IP67		Code 27
20 - 25 A	MP plug ph.inv. 32/5 20-25A IP67		Code 28
25 - 32 A	MP plug ph.inv. 32/5 20-25A IP67		Code 29

FLOAT SWITCH SOLUTION FOR 400 VOLT PUMPS WITH CURRENT OVERLOAD PROTECTION

To be used in combination with the floatswitches. Auto - 0 - Manual.



Setting range	Type plug	16A 5 pole	32A 5 pole
1,6 - 2,4 A	MP plug c/w fl.sw.:1,6/2,4A/400V/16A/5p	Code 30	
2,4 - 4 A	MP plug c/w fl.sw.:2,4-4,0A/400V/16A/5p	Code 31	
4 - 6 A	MP plug c/w fl.sw.:4,0-6,0A/400V/16A/5p	Code 32	
6 - 10 A	MP plug c/w fl.sw.:6,0-10A/400V/16A/5p	Code 33	
9 - 12 A	MP plug c/w fl.sw.:9,0-12A/400V/16A/5p	Code 34	
12 - 16 A	MP plug c/w fl.sw.:12-16A/400V/16A/5p	Code 35	
16 - 20 A	MP plug c/w fl.sw.:16-20A/400V/32A/5p		Code 36
20 - 25 A	MP plug c/w fl.sw.:20-25A/400V/32A/5p		Code 37
25 - 32 A	MP plug c/w fl.sw.:25-32A/400V/32A/5p		Code 38

FLOAT SWITCH



Length mtr.	No. wire	Volt
10	2	230
20	2	230

ACCESSORIES

SUCTION RING

The rubber suction ring makes the pump designed for multi-purpose pumping. Ideal for residual drainage, the suction ring ensures a simple, reliable and immediate solution for pumping down to floor level on the jobsite.

COMPATIBLE PRODUCTS:

TANK 215, TANK 315
TANK 222, TANK 322, TANK 422
TANK 337, TANK 437





FLOAT SWITCH HOLDER

The rubber float switch holder can easily be set up in any of the pumps provided with a standard float switch. While using the float switch holder the pump can continue draining the water levels lower than the float switch OFF position. In addition, it provides easiest for carrying/storing the float switch.





FLOAT SWITCH INSTALLATION EXAMPLE

DISCHARGE HOSE CONNECTIONS

Discharge hose connections are optionally available for all models and can be converted between vertical and horizontal directions.

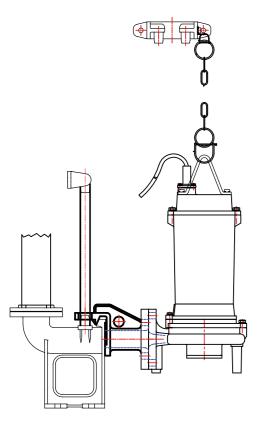


GUIDE RAIL FITTING SYSTEMS

The guide rail fitting system connects the pump to and from the piping simply just by lowering and elevating the pump. The mechanism allows easy maintenance and inspection without the need to enter the sump.

Pump models used in combination with the guide rail fitting system can be identified by the following index and reference.





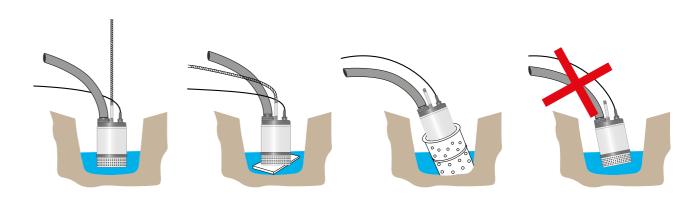
Guide Rail Type	Applicable Models
GRL-02	GOVOX 204/208
	X-VOX 208/215
GRL-02F	GOCUT 208/215
GRL-03F	GOCUT 315
	GOVOX 315
GRF-03	GOCUT 322/337
	GOVOX-G 322/337
GRF-04	GOCUT 437
	GOVOX-G 437/455/475
GRN-03	GOMAX 322/337/437
GRN-04	GOMAX 455/655/475/675
	GOMAX 475/675
	GOMAX 4110/6110
	GOMAX 4150/6150
	GOMAX 4220/6220

Guide rail system includes:

- Cast iron upper holder.
- 5 meter stainless steel chain.
- Required fixtures.

TECHNICAL INFORMATION

INSTALLATION



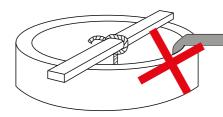
CORRECT INSTALLATION OF THE PUMPS

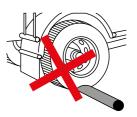
Although installing PRORIL submersible pumps is fairly straightforward, there are a few basic things that need to be taken into consideration to ensure optimal performance and to prevent excessive wear and/or damages.

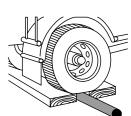
Firstly, it is paramount that the pump is prevented from digging itself into the soil, which is particularly common on sites with sandy- or clay type soils. This can be achieved by suspending the pump above the bottom of the casing using a rope/chain in case of deepwell applications, or by placing the pump on a base of some sort (e.g. wooden plank or coarse gravel) in case of open sump pumping.

Secondly you should prevent tight bends and kinks in the discharge hose at all times. When bent strongly, the maximum flow capacity of the hose is reduced and it will create additional friction losses and will reduce the overall flow performance of the pump.



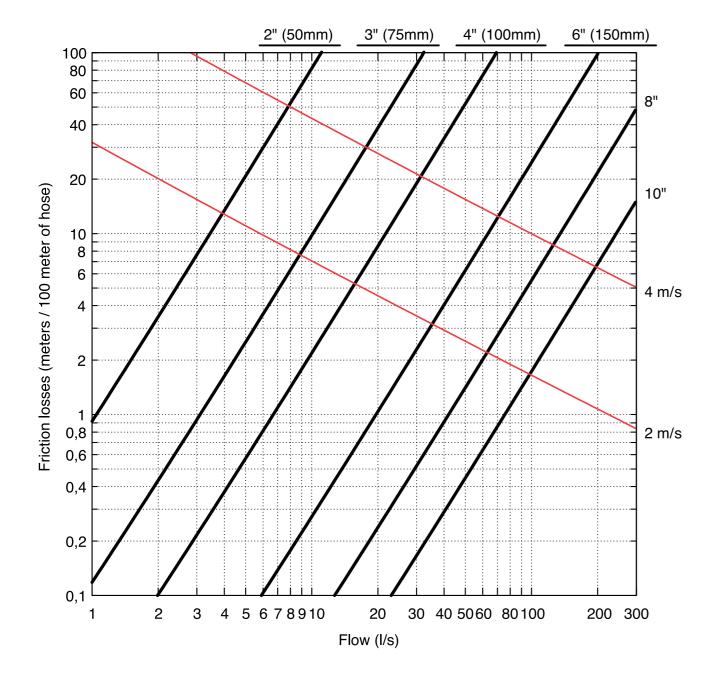






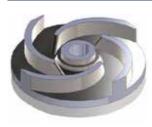
TECHNICAL INFORMATION

CHART FOR CALCULATING FRICTION LOSSES IN HOSES



TECHNICAL INFORMATION

TYPE OF IMPELLER



SEMI-OPEN IMPELLER

An impeller that has no bottom shroud. Liquid which passes through the impeller is deflected, forming a plain perpendicular to the spindle. Most of submersible contractors' pumps employ this type of impeller.



VORTEX IMPELLER

An indented impeller produces a whirling, centrifugal action which allows long and fibrous material, solid materials, etc. to be pumped without contacting the impeller.



PERIPHERAL IMPELLER

The impeller has a number of slots on its periphery, and the rotation gives energy to the liquid. Low volume and high head, and widely used in shallow pumps.



CLOSED IMPELLER

The impeller vanes are enclosed in a unified contruction. Suited for high-head pumping.



AGITATOR

The rigid agitator delivers kinetic energy (energy of motion) to stir solids surrounding the pump intake, re-suspending them into a fluid state for easy pumping.



SEMI-OPEN CHANNEL IMPELLER

This type of impeller is designed with single or twin circular shaped vanes. This construction is effective in the prevention of blockage by solid matters.



Available in New Zealand from:

Prime Fluid Management Head Office: 10 Chesterfield St Greymouth, West Coast 0800 482 747 primefluid.co.nz

