

SUBMERSIBLE SUMP PUMPS

Onga / Jung Pumpen - Submersible Sump Pumps



Onga

A wide range of submersible sump pumps to suit almost any drainage application.

The moulded and stainless steel submersible sump pumps are a high quality, versatile submersible pump, built to withstand the most testing of conditions.

You can't look past our cast iron and stainless steel submersible sump pumps for durability and reliability across dewatering, drainage, water treatment and sewerage applications.

Jung Pumpen

Jung Pumpen is a quality German manufacturer of pumps for wastewater and dewatering applications. For over 85 years Jung Pumpen has been a reliable partner for sewage and wastewater disposal across the globe. Producing high-quality pumps and pumping stations for both small-scale domestic house and land drainage to large-scale industrial and community wastewater treatment



HEBEFIX
ABOVE FLOOR TANK
Install items which require drainage but there is no drain pipe available.

FLUTBOX
EMERGENCY KIT
Helps people who are affected by flood water, to react quickly and efficiently.

JUNG PUMPEN SUBMERSIBLE SUMP PUMPS

U3-U5-U6



0°-35°
intermittently
up to 60°



Proven millions of times over, handling domestic waste water is no trouble at all for the UK series of submersible pumps. Special design features make these pumps extremely versatile.

A flushing device which can be activated to keep chambers clean, the integrated low level pumping feature offers great advantages when emptying flooded rooms and the EIP technology provides

enhanced operational reliability where there are solid particles in the pumping medium. The variable discharge branch allows great freedom when installing the pump and the swing-type check valve provided for mobile operation prevents unintentional emptying of the hose.

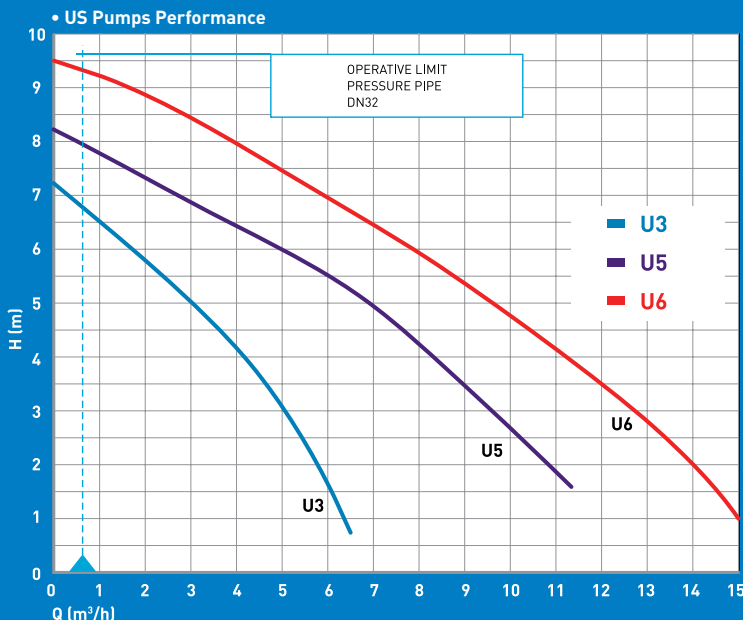
All components which come into contact with the pumping medium are made of stainless steel or plastic.

Installed as stationary units in a sump or collecting chamber, they reliably dispose waste water and prevent backpressure. But they also come into their own in mobile applications, such as in the garden or when flooding occurs.

Features:

- For saline solutions up to 10% salinity (*U3KS special*).
- 10mm / 20mm free passage.
- Flushing device.
- SiC mechanical seal.
- Continuous operation.
- Moisture sealed cable inlet.
- Low level pumping.
- Replaceable sealed cable inlet

Type	H max	Q max	Free passage	Voltage	P1	P2	Current	Motor protection
U3KS	7m	110l/m	10mm	230V	0.32	0.20	1.4A	Integrated
U3KS Special	7m	110l/m	10mm	230V	0.32	0.20	1.4A	Integrated
U5KS	8m	190l/m	10/20mm	230V	0.52	0.38	2.3A	Integrated
U6KS	9.5m	260l/m	10/20mm	230V	0.75	0.49	3.3A	Integrated



JUNG PUMPEN SUBMERSIBLE SUMP PUMPS

US



0°-40°
intermittently
up to 60°



The submersible drainage pumps of the US range provide a reliable solution for all types of faecal-free waste water.

These pumps use high-performance motors, hydraulics which are specially adapted to the pumping medium and high-quality materials. The US62 to US152 pumps have a stainless steel housing which means that they can also be easily carried in portable use.

The US62 to US102 pumps offer a free passage of 10 mm particle size to convey waste water from dishwashers or washing machines.

The submersible drainage pump US103 is used when a larger free passage of up to 30 or 40 mm particle size is required.

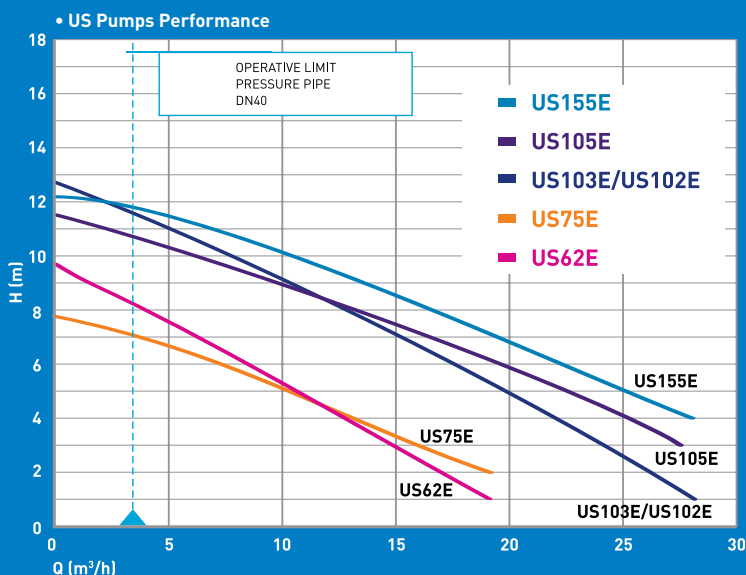
The range is rounded off with the US75 to US155 range with a free passage of 50 mm particle size.

Standard features of the dry running safe pumps are a controllable oil chamber, a wear resistant silicon carbide mechanical seal and a permanently lubricated roller bearing to ensure a long service life.

Features:

- 10mm / 30mm / 50mm free passage.
- Controllable oil chamber.
- SiC mechanical seal independent of rotation direction.
- Replaceable sealed cable inlet.

Type	H max	Q max	Free passage	Voltage	P1	P2	Current	Motor protection
US 75 E/ES	7.5 m	20 m³/h	50 mm	1/N/PE-230	0.83 kW	0.50 kW	3.9 A	integrated
US 102 E/ES	12.5 m	28 m³/h	10 mm	1/N/PE-230 V	1.37 kW	0.98 kW	6.0 A	integrated
US 103 E/ES	12.5 m	28 m³/h	30 mm	1/N/PE-230 V	1.37 kW	0.98 kW	6.0 A	integrated
US 105 E/ES	11.5 m	28 m³/h	50 mm	1/N/PE-230	1.37 kW	0.98 kW	6.0 A	integrated
US 155 ES	12.0 m	29 m³/h	50 mm	1/N/PE-230	1.60 kW	1.21 kW	7.5 A	integrated



-Optional-
Guide rail system GR40
or GR50 where the
pumps are needed to be
easily taken out of the
sump for servicing or
visual inspection.



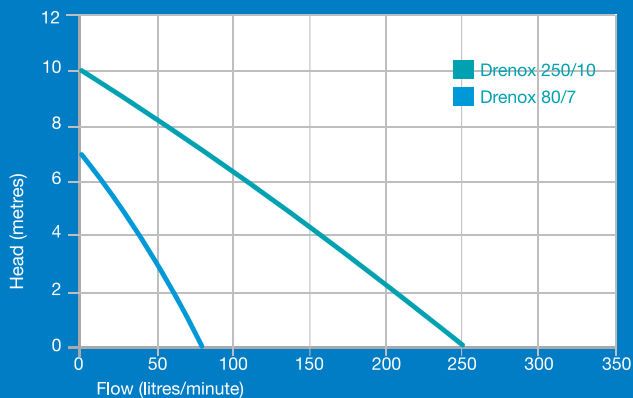
SUBMERSIBLE SUMP PUMPS

DRENOX RANGE



- The Onga Drenox range 250/10 is constructed entirely of 304 grade stainless steel, including a cast stainless steel impeller. 80/7 is 304 grade stainless steel with a plastic impeller.
- Includes a heat exchange chamber to cool the motor for long periods of unsubmerged operation, and an oil chamber for lubrication of the seal.
- Suitable for continuous operation. Drenox 80/7 drains down to a level of 3mm.

• Drenox Range Performance



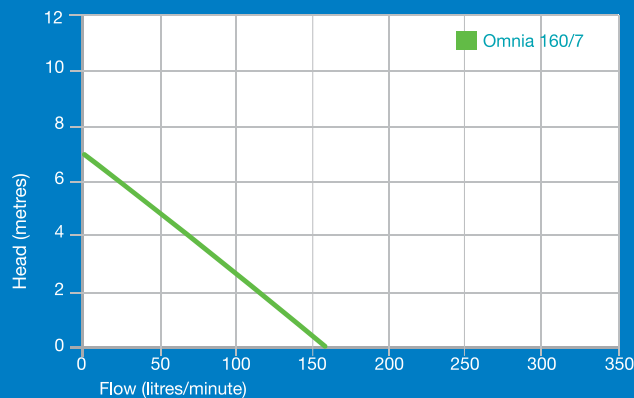
MODEL	Product code	Free Passage	Voltage	kW	
				P1	P2
DRENOX 80/7	P1031020	3mm	230V	0.30	0.20
DRENOX 250/10	P1031400	6mm	230V	0.90	0.55

OMNIA 160/7



- The Onga Omnia 160/7 includes all the great features of the Drenox and includes a vortex impeller so that it can pass larger solids.
- Dual oil-lubricated NBR70 lip seal on a hard ceramic shaft.

• Omnia 160/7 Performance



MODEL	Product code	Free Passage	Voltage	kW	
				P1	P2
OMNIA 160/7	P2081010	20mm	230V	0.90	0.37

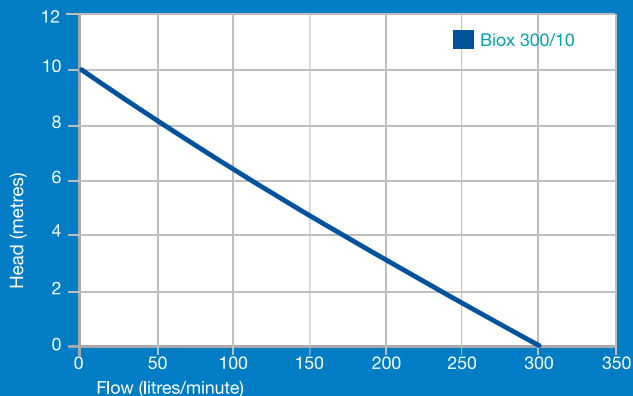
SUBMERSIBLE SUMP PUMPS

BIOX 300/10



- The Onga Biox is a submersible vortex pump that includes both a lip seal with sand guard and a carbon-ceramic mechanical seal
- 2" discharge connection enables soft solids up to 40mm in diameter
- Suitable for continuous use
- Motor must remain submerged for cooling

• Biox 300/10 Performance



MODEL	Product code	Free Passage	Voltage	kW	
				P1	P2
BIOX 300/10	P2091010	40mm	230V	0.90	0.60

VF150

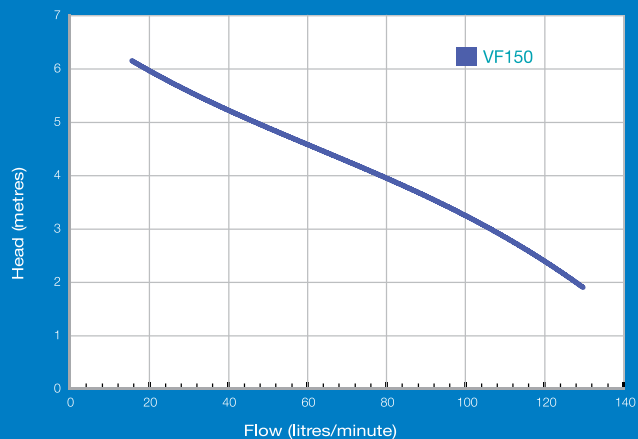


- The VF150 is a single phase drainage pump with cast iron construction making it durable and providing a longer life cycle
- Contains a vortex impeller capable of handling soft solids up to 15mm
- Optimum performance reaches 80 litres per minute at 4 metres head
- Automatic float switch operation protects pump against dry running
- Lip seal and dual mechanical seal for improved service life

Applications:

- Septic effluent disposal, water transfer, grey water and sump pumping liquid including grey water (of neutral pH with soft solids up to 15mm at a 10% content or fine solids at 1% concentration).

• VF150 Performance



MODEL	Watts (P2)	Nominal Current (Amps)	Full Load Current (Amps)
VF150	180	1.4	2.0

SUBMERSIBLE SUMP PUMPS

CSM RANGE



Cast iron sump pump nomenclature

CSM	240	V	F
Cast iron submersible pump with dual mechanical seals	Max flow rate at open discharge (litres per minute)	V - vortex C - cutter XG - grinder	F - float switch, 1 ø S - single phase T - three phase

- This range of rugged cast iron submersible pumps is suitable for many dewatering, drainage, water treatment and wastewater applications
- **Available in 3 broad types:**
 - VORTEX** —→ [suitable for dewatering where some solids may be present]
 - CUTTER** —→ [suitable for draining water where stringy materials may be present]
 - GRINDER** —→ [suitable for wastewater applications and where more soft solids are present]
- Cast iron construction making them solid, durable and rugged, with high abrasion resistance to suspended particles
- Dual mechanical seals in oil bath with lip seal for motor protection to provide longer life combined with low friction for low power consumption
- Epoxy cable - motor connection for preventing water ingress through the cable
- Dry motor design with cap start/cap run provides superior motor protection with maximum starting torque
- Continuous Duty rating [40°C] [Intermittent Duty 50°C] designed to handle the largest and toughest jobs
- 30 metre maximum submergence will deal with the deepest pit dewatering
- Stainless steel fasteners for corrosion protection for long life
- Dual cutter design in stainless grade 440C, hardened to 55 Rockwell C^s for long service life
- Grinder assembly replaceable without disassembling pump^s for very short repair downtime
- Optional Guide Rails available - no need to enter the pit
- Stainless steel shaft with dual ball bearings and short overhang making them corrosion resistant, smooth running and reducing deflection to prolong seal and bearing life.

MODEL	P1		Voltage	Rated FLA (A)	Starting	Speed	Cable Length	Cable Type	Insulation Class	Start Cap	Run Cap	Power Factor	Max temp. Rating		Motor Protection
	HP	kW											Int °C	Cont °C	
CSM-240VF*	1/2	0.4	230-1-50	2.7	PSC	2 pole / 2850rpm	10m	H07RNF	B	8µF	-	0.98	50	40.6	Auto Cut out switch (ACOS)
CSM-500VF*	1	0.75	230-1-50	5.3	PSC	2 pole / 2850rpm	10m	H07RNF	B	12µF	-	0.98	50	40.6	
CSM-500VT	1	0.75	415-3-50	2.0	DOL	2 pole / 2850rpm	10m	H07RNF	B	-	-	0.86	50	40.6	
CSM-650VS	2	1.5	230-1-50	9.6	CS/CR	2 pole / 2850rpm	10m	H07RNF	B	15µF	100µF	0.89	50	40.6	
CSM-650VT	2	1.5	415-3-50	3.4	DOL	2 pole / 2850rpm	10m	H07RNF	B	-	-	0.87	50	40.6	
CSM-850CS	2	1.5	230-1-50	9.6	CS/CR	2 pole / 2850rpm	10m	H07RNF	B	15µF	100µF	0.89	50	40.6	
CSM-850CT	2	1.5	415-3-50	3.4	DOL	2 pole / 2850rpm	10m	H07RNF	B	-	-	0.87	50	40.6	
CSM-160XGS	2	1.5	230-1-50	10.2	CS/CR	2 pole / 2850rpm	10m	H07RNF	B	12µF	100µF	0.97	50	40.6	
CSM-160XGT	2	1.5	415-3-50	3.6	DOL	2 pole / 2850rpm	10m	H07RNF	B	-	-	0.86	50	40.6	
CSM-300XGT	3	2.2	415-3-50	5.3	DOL	2 pole / 2850rpm	10m	H07RNF	F	-	-	0.86	50	40.6	

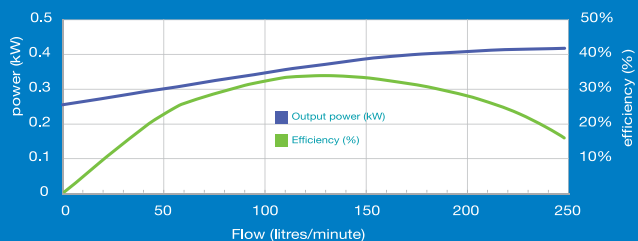
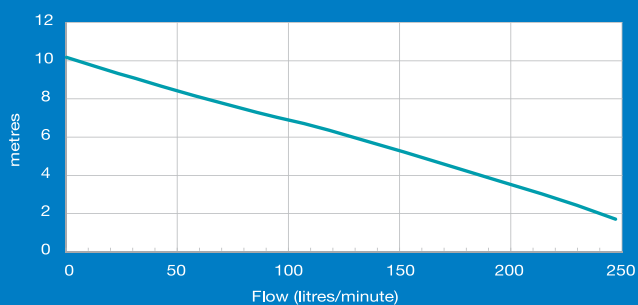
PSC: Permanently Split Capacitor CS/CR: Capacitor start, Capacitor run [centrifugal switch] DOL: Direct on line

* models include float switches - should you require floats with any other model please contact our Customer Service team

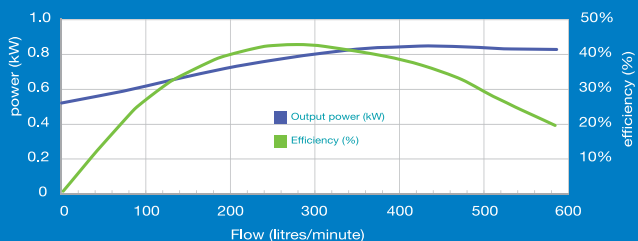
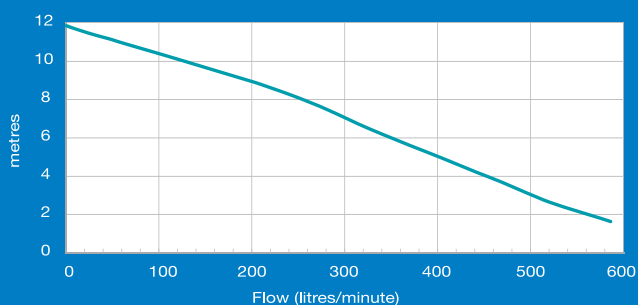
SUBMERSIBLE SUMP PUMPS

CSM RANGE

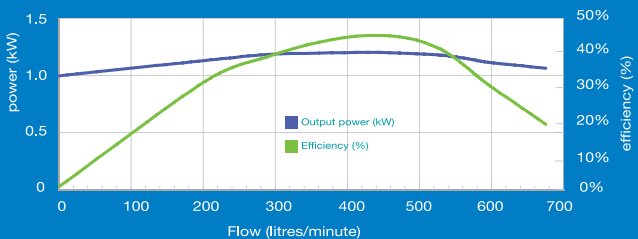
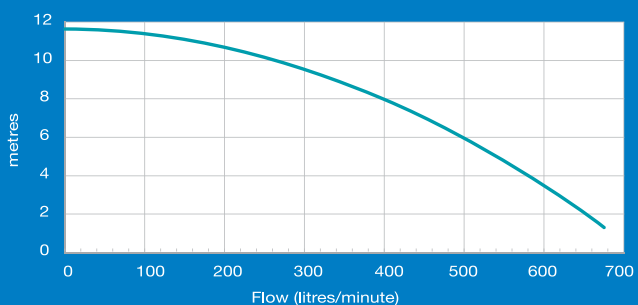
CSM240VF



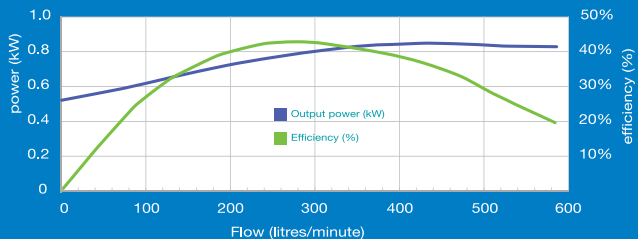
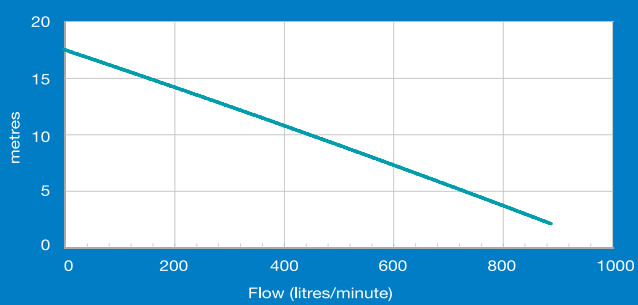
CSM500VF / CSM500VT



CSM650VS / CSM650VT

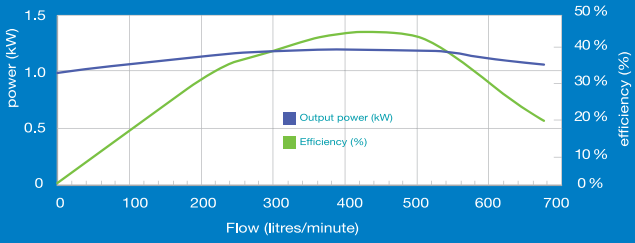
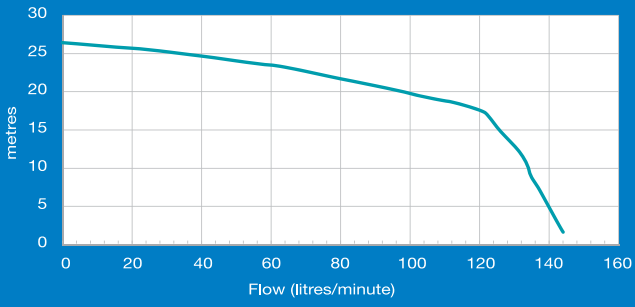


CSM850CS / CSM850CT



APPLICATIONS	MODELS	CSM240VF	CSM500V	CSM650V	CSM850C	CSM160XG	CSM300XGT
Ponds and fountains		•	•	•			
Dairy pit drainage				•	•	•	•
Water treatment circulation		•	•	•	•		
Pit drainage (few small hard solids)		•	•	•	•		
Raw sewerage disposal						•	•
Low pressure sewerage						•	•
Dewatering (clean water)		•	•	•			
Water with stringy material					•	•	•
Grey water (hair, small soft solids)		•	•	•	•	•	•

CSM160XGS / CSM160XGT



CSM300XGT

