

SUBMERSIBLE PUMP

PRODUCT GUIDE



SUBMERSIBLE PUMP

CONTENTS



JUNG PUMPEN QUALITY

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 waste water 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 waste water treatment.

Jung Pumpen is a brand that stands for high quality and it's continued growth can undoubtedly be attributed to its world class German engineering.

Jung Pumpen, Pentair's premium brand of waste water handling systems!



Jung Pumpen Quality	page 2
U3-U5-U6 General Purpose Drainage Pumps	page 4
U3KS General Purpose	page 5
U3KS Special Saline - Chemical Media	page 5
U5KS Grey Water	page 6
U6KS High Performance	page 6
Flutbox Emergency Kit	page 7
Simer Portable	page 7
US Pumps Submersible Drainage Pumps	page 8
US62-US102 E/ES 10mm Free Passage	page 9
US103 E/ES 30-40mm Free Passage	page 9
US75-US105-E/ES 50mm Free Passage	page 10
US73-HE/103HE High Temperature	page 10
Cast Iron Sewage Pumps	
MultiCut Submersible Sewage	page 11
MultiStream Municipal & Industrial	page 11
PPC Range Sump Pump Controllers	page 12
ONGA Range	page 13
CSM Cast Iron Sump Pumps	page 13
Drenox Continuous Operation	page 14
Omnia 160/7 Vortex Impeller	page 14
Biox 300/10 40mm Soft Solids	page 15
VF150 Grey Water Transfer	page 15
Performance Curves	page 16

JUNG PUMPEN

U3-U5-U6 GENERAL PURPOSE DRAINAGE PUMPS



THE CLASSIC DRAINAGE PUMP

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.

SPECIAL FEATURES



CLEAN PUMP SUMP
Flushing ports in the hydraulic system provide a clean environment for the pump to operate in.



SAFE VENTING
The vent port stops air pockets forming during stationary use.



FREE SOLIDS PASSAGE OF UP TO 20 MM
Heavily contaminated waste water can be reliably pumped (U5 and U6).



LOW LEVEL PUMPING
Thanks to its integrated shallow suction system, it can reduce remaining water levels to no more than a few millimetres with the foot strainer removed.

ACCESSORIES



Special floats for low switching points where drainage points are particularly near the ground, such as in showers or where residual water levels are extremely low. Switch-on and switch-off heights:



Special float assembly for narrow sumps. If space is at a premium (at least 30 x 30 cm), this compact float switch really comes into its own.



Drainage where there is no drain pipe available Hebefixin conjunction with the U3KS pumps. With swing-type check valve, high-gloss surfaces, protection against overflow, activated carbon filter and installation materials.

The electronic switch **SIMER LEVEL CONTROL** offers special convenience. The level control can be integrated in the cable inlet and **switches the pump on automatically at approx. 7 mm**



U3KS	ON 105 mm	OFF 45 mm	U3KS	ON 240 mm	OFF 170 mm
U5KS	ON 90 mm	OFF 40 mm	U5KS	ON 265 mm	OFF 195 mm
U6KS	ON 130 mm	OFF 80 mm	U6KS	ON 300 mm	OFF 230 mm

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U3KS



The U3KS pump removes rain water, lightly polluted water and domestic water from household dishwashers and washing machines (also intermittent high temperatures). When installed as stationary unit in a basement chamber or collecting tank, it reliably disposes waste water as well as protecting against backpressure. But it can also be used in mobile applications, such as in the garden or to prevent flooding.

- Continuous operation.
- Low level pumping.
- Flushing device.

0°-35°
intermittently
up to 60°

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U3KS SPECIAL



U3KS Special model is made from high quality chemical resistant material. It pumps aggressive media in industrial and commercial areas. Enabling it to handle aggressive medias such as liquids containing salt, brackish water, condensate, silage effluent and liquid fertilizers. Without any problem it also handles seawater from hulls and watery dissolutions up to 10% salinity from e.g. water softening plants or condensate from condensing boilers.

- For saline solutions up to 10% salinity.
- Low level pumping.
- Flushing device.
- SiC mechanical seal.
- Moisture sealed cable inlet.

0°-35°
intermittently
up to 60°

The combination with the **special float assembly for narrow chambers** allows the pumps to be used in installation situations with limited space (sump diameter Ø 30 cm).

Type	H max	Q max	Free passage	Voltage	P1	P2	Current	Motor protection	Plug
U3KS	7 m	110 lpm	10 mm	1/N/PE~230 V	0.32 kW	0.20 kW	1.4 A	integrated	safety-
U3KS SPECIAL	7 m	110 lpm	10 mm	1/N/PE~230 V	0.32 kW	0.20 kW	1.4 A	integrated	safety-

JUNG PUMPEN U5KS



The U5KS model can be used for dealing with dirty water from garden ponds, floodwater or swimming pools. Thanks to its shallow, built-in suction system, it can reduce residual water level to no more than a few millimetres!

When installed as stationary unit in a basement chamber or collecting tank, it reliably disposes waste water as well as protecting against backpressure. But it can also be used in mobile applications, such as in the garden or to prevent flooding.

- Continuous operation.
- Low level pumping.
- Flushing device.
- Moisture sealed cable inlet.

0°-35°
intermittently
up to 60°

The combination with the **special float assembly for narrow chambers** allows the pumps to be used in installation situations with limited space (sump diameter Ø 30 cm).

Type	H max	Q max	Free passage	Voltage	P1	P2	Current	Motor protection	Plug
U6KS	9.5 m	260 lpm	10 / 20 mm	1/N/PE-230 V	0.75 kW	0.49 kW	3.3 A	integrated	safety-
U5KS	8 m	190 lpm	10/20 mm	1/N/PE-230 V	0.52 kW	0.38 kW	2.3 A	integrated	safety-

JUNG PUMPEN U6KS



The submersible drainage pump U6KS has the same useful features of the U3KS and the U5KS, but offers more besides. Thanks to the silicon carbide mechanical seal it is suitable not only for conveying waste water but also for drainage and seepage water in sumps and for silage effluent and liquid fertiliser.

- Replaceable sealed cable inlet
- 10/20mm free passage.
- Flushing device.
- SiC mechanical seal.

0°-35°
intermittently
up to 60°

JUNG PUMPEN FLUTBOX



Powerful, durable and tackles the problem – the “Flutbox” helps people who are affected by flood water, to react quickly and efficiently. Just put the carrying cage with the pump on the ground and pump the water out of the building via the fire hose. Even in dry seasons the “Flutbox” is a reliable assistant. The heart of this emergency kit is the powerful multi-functional submersible pump U5KS. Taken out of the carrying cage it can be used stationary or as a portable tool for several kinds of dewatering situations.

- Quick and easy attachment by a C-coupling.
- Comes with high performance U5KS pump.
- Wall mounting for storing.

THE SCOPE OF SUPPLY

- ✓ 1 Powerfull U5KS drainage pump.
- ✓ 1 Fire hose with C-coupling (12.5m).
- ✓ 1 Carrying case with integrated pump fixation for stabilising the pump.
- ✓ 1 Float switch fixation for pumping down to a minimum of residual water.

Type	H max	Q max	Free passage	Voltage
[FLUTBOX]U5KS	8 m	110 lpm	10/20 mm	1/N/PE-230 V
P1	P2	Current	Motor protection	Plug
0.52 kW	0.38 kW	2.3 A	integrated	safety

JUNG PUMPEN SIMER



Portable by design, the Simer allows for versatile water removal including: draining of flat roofs, emptying swimming pools, waste water from core-hole drilling and concrete cutting, puddles on worksites, empties garden ponds and drainage and disposal of faecal free waste water.

The Simer pump removes unwanted water quickly and efficiently, leaving a residual water level of just 2mm, while starting to pump at a water level of just 5mm.

- Robust cast aluminum housing.
- Manual pump - self-venting – operable at a water level of 5 mm.
- Removes water down to a level of 2 mm.
- Replaceable cable inlet.

Model	H max (m)	Q max (l/m)	Voltage (V)	P1 (kW)	Current (A)	Discharge Branch
SIMER	6m	62 lpm	1/PE - 230	0.40KW	2.6 A	1½" BSP (Female)

JUNG PUMPEN

US PUMPS SUBMERSIBLE DRAINAGE PUMPS



PERFORMANCE MADE EASY

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.

JUNG US SERIES HIGH TEMP

The US73 & 103HES single phase pumps can be used for waste water of up to 90°C, for applications such as laundries, industrial dishwashers or washing machines and for emergency overflow of heating systems.



ACCESSORIES

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



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US62-US102 E/ES



The US62 and US102 pumps have a stainless steel housing which means that they can also be easily carried in portable use. Due to a free passage of 10mm particle size it is possible, for example, to convey waste water from dishwashers or washing machines.

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

0°-40°
intermittently
up to 60°

JUNG PUMPEN

US103 E/ES



The submersible drainage pump US103 is used when a larger free passage of 30mm particle size is required to pump fibrous waste water, such as encountered in industrial laundries or automatic launderettes.

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

0°-40°
intermittently
up to 60°

Type	H max	Q max	Free passage	Voltage	P1	P2	Current	Motor protection	Plug
US 62 E/ES	9.5 m	315 lpm	10 mm	1/N/PE~230 V	0.83 kW	0.50 kW	3.9 A	integrated	safety-
US 102 E/ES	12.5 m	465 lpm	10 mm	1/N/PE~230 V	1.37 kW	0.98 kW	6.0 A	integrated	safety-
US 103 E/ES	12.5 m	465 lpm	30 mm	1/N/PE~230 V	1.37 kW	0.98 kW	6.0 A	integrated	safety-

JUNG PUMPEN US75-US105 E/ES



The US75 and US105 pumps are used when a large free passage of 50mm particle size is required to pump waste water with particularly coarse contaminants.

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

0°-40°
intermittently
up to 60°

Type	H max	Q max	Free passage	Voltage
US75 E/ES	7.5 m	330 lpm	50 mm	1/N/PE-230
US105 E/ES	11.5 m	465 lpm	50 mm	1/N/PE-230
P1	P2	Current	Motor protection	Plug
0.83 kW	0.50 kW	3.9 A	integrated	safety-
1.37 kW	0.98 kW	6.0 A	integrated	safety-

JUNG PUMPEN US73 HE/103 HE



The heavy duty centrifugal submersible drainage pumps US73 and 103 HE/HES are suitable for dealing with very contaminated water and capable of handling solids up to 30 mm particle size without stones. These pumps can be used wherever wastewater up to 90°C is involved, such as in laundries, industrial dishwashers and washing machines or for the emergency overflow of heating systems.

- Safe to run dry.
- 30 mm free passage.
- Hot water up to 90°C.
- Controllable oil chamber.
- SiC mechanical seal independent of rotation direction.
- Replaceable moisture sealed cable inlet.

0°-90°

Type	H max	Q max	Free passage	Voltage
US73 HES	10 m	316 lpm	30 mm	1/N/PE-230
US103 HES	12.5 m	466 lpm	30 mm	1/N/PE-230
P1	P2	Current	Motor protection	Plug
0.83 kW	0.50 kW	3.9 A	integrated	safety-
1.37 kW	0.98 kW	6.0 A	integrated	safety-

JUNG PUMPEN MULTICUT



The MultiCut submersible sewage pump. Unsusceptible to blockages, since the cutting takes place upstream of the pump's hydraulic system. Outstanding cutting performance with around 67,200 cuts per minute. The cutting system and impeller can be adjusted without the need for replacement parts.

Types of media that can be pumped:

- Wastewater containing solids and fibrous matter.
- Wastewater containing sewage.
- Domestic wastewater with no sewage content.
- Mechanically cleaned wastewater.

- Cutting rotor with stirring effect.
- Plug-in cable connection.
- External adjustable cutting mechanism.
- Controllable oil chamber.
- SiC mechanical seal independent of sense of rotation.
- Moisture-sealed cable inlet.
- Installed motor protection.

0°-40°
intermittently
up to 60°

Model	H max (m)	Q max (lpm)	Max Solids (mm)	Voltage (V)	P1 (kW)	P2 (kW)	Current (A)	Motor protection	Discharge branch
08/2 MES	15	283	8	230-1-50	1.37	0.98	6	In-Built	DN 32
08/2ME	15	283	8	230-1-50	1.37	0.98	6	In-Built	DN 32
08/2M	18	315	8	400-3-50	1.65	1.24	2.8	Thermostat	DN 32
08/2MS	18	315	8	400-3-50	1.65	1.24	2.8	Thermostat	DN 32
20/2M PLUS	21	300	8	400-3-50	2.4	1.91	7.0/4.0	Thermostat	DN 32
35/2M	32	267	8	400-3-50	3.7	3.04	11.5/6.6	Thermostat	DN 32
45/2M	38	167	8	400-3-50	4.84	3.93	13.7/7.9	Thermostat	DN 32
75/2M	47	283	8	400-3-50	7.7	6.6	13.2/7.7	Thermostat	DN 32

JUNG PUMPEN MULTISTREAM



The MultiStream pump specialises in managing effluent or sewage typically involved with fibrous matter, effluent solids, mixed water, raw effluent and raw sludge. The single-channel impeller pump is unbeatable when it comes to pumping large quantities and bridging large differences in height.

Types of media that can be pumped:

- Wastewater containing fibrous and solid matter.
- Raw wastewater.
- Raw sludge.
- Rainwater and combined wastewater.

- Adjustable single-channel impeller.
- Safe to run dry.
- Controllable oil chamber.
- SiC mechanical seal independent of sense of rotation.
- Moisture sealed cable inlet.

0°-40°
intermittently
up to 60°

Model	H max (m)	Q max (m3/h)	Max Solids (mm)	Voltage (V)	P1 (kW)	P2 (kW)	Current (A)	Motor protection	Discharge branch
10/2 A1	9	633	40	3/PE - 400	1.3	1.1	4.6 / 2.7	Thermostat	DN 65
15/2 A1	12	833	40	3/PE - 400	1.80	1.50	5.7 / 3.3	Thermostat	DN 65
25/2 A2	18	1033	40	3/PE - 400	2.60	2.10	7.6 / 4.4	Thermostat	DN 65
35/2 A2	24	1167	40	3/PE - 400	3.70	3.04	11.5 / 6.6	Thermostat	DN 65
25/2 B1	12	1517	70	3/PE - 400	2.60	2.10	7.6 / 4.4	Thermostat	DN 80
35/2 B2	15	2100	70	3/PE - 400	3.70	3.04	11.5 / 6.6	Thermostat	DN 80
10/4 B1	6	1000	70	3/PE - 400	0.95	0.73	4.2 / 2.4	Thermostat	DN 80
15/4 B3	9	1633	70	3/PE - 400	1.80	1.40	5.9 / 3.4	Thermostat	DN 80
25/4 B4	9	2000	70	3/PE - 400	2.70	2.04	7.9 / 4.6	Thermostat	DN 80
35/4 B4	12	2200	70	3/PE - 400	3.50	2.65	12.0 / 6.9	Thermostat	DN 80

JUNG PUMPEN PPC RANGE



SUMP PUMP CONTROLLERS

On control units for pumps from 0.37 kW to 7.7 kW. Areas of application included; drainage for buildings, pressure drainage for built-up regions, municipal additional and main pumping stations.

- Single, duplex or multiple pumping stations.
- Auto alternating pump start.
- Optimal accessory selection based on customer needs.
- High-quality and specifically designed for pumps and chambers.
- Selection of level contact switches, depending on application.
- All control units meet the current standards and guidelines.
- Lockable mains power.
- Isolation switch.

Model	Single / Dual Pump	Voltage Rating (V)	Contact Rating (A)	Overload Rating (A)	Enclosure Type	
PPC-15002-B	single pump	240	18	4-6	FEB - 42431	
PPC-15002-D	single pump	240	18	9-13		
PPC-30010-B	dual pump	240	18	4-6		
PPC-30010-D	dual pump	240	18	9-13		
PPC-15006-A	single pump	415	18	2.5-4		
PPC-15006-B	single pump	415	18	4-6		
PPC-15006-C	single pump	415	18	7-10		
PPC-15006-D	single pump	415	18	9-13		
PPC-30030-A	dual pump	415	18	2.5-4		
PPC-30030-B	dual pump	415	18	4-6		
PPC-30030-C	dual pump	415	18	7-10		
PPC-30030-D	dual pump	415	18	9-13		
Float Switch		Cable Length (metres)		Voltage Rating (V)		
FSW-12517		10		12		

CONTROLLER SELECTION

Choose the controller that is appropriate for your pump:

Jung Pumps Range

Jung 1 Phase	Voltage	Kw	Amps	Single Pump Controller	Dual Pump Controller
US62ES	1Ph	0.83	3.9	PPC-15002-B	PPC-30010-B
US102ES	1Ph	1.37	6	PPC-15002-B	PPC-30010-B
US103ES	1Ph	1.37	6	PPC-15002-B	PPC-30010-B
US75ES	1Ph	0.83	3.9	PPC-15002-B	PPC-30010-B
US105	1Ph	1.37	6	PPC-15002-B	PPC-30010-B
Jung 3 Phase	Voltage	Kw	Amps	Single Pump Controller	Dual Pump Controller
Multicut 08/2M	3Ph	1.65	2.8	PPC-15006-A	PPC-30030-A
Multicut 08/2MS	3Ph	1.65	2.8	PPC-15006-A	PPC-30030-A
Multicut 20/2M	3Ph	2.4	7	PPC-15006-C	PPC-30030-C
Multicut 35/2M	3Ph	3.7	11.5	PPC-15006-D	PPC-30030-D
Multicut 45/2M	3Ph	4.84	13.7	PPC-15006-D	PPC-30030-D
Multicut 75/2M	3Ph	7.7	13.2	PPC-15006-D	PPC-30030-D
Multistream 10/2 A1	3Ph	1.3	4.6	PPC-15006-B	PPC-30030-B
Multistream 15/2 A1	3Ph	1.8	5.7	PPC-15006-B	PPC-30030-B
Multistream 25/2 A1	3Ph	2.6	7.6	PPC-15006-C	PPC-30030-C
Multistream 35/2 A1	3Ph	3.7	11.5	PPC-15006-D	PPC-30030-D
Multistream 25/2 B1	3Ph	2.6	7.6	PPC-15006-C	PPC-30030-C
Multistream 35/2 B2	3Ph	3.7	11.5	PPC-15006-D	PPC-30030-D
Multistream 10/4 B1	3Ph	0.95	4.2	PPC-15006-B	PPC-30030-B
Multistream 15/4 B3	3Ph	1.8	5.9	PPC-15006-B	PPC-30030-B
Multistream 25/4 B4	3Ph	2.7	7.9	PPC-15006-C	PPC-30030-C
Multistream 35/4 B4	3Ph	3.5	12	PPC-15006-D	PPC-30030-D

CSM Range

Pump 1Ph	Voltage	Kw	Amps	Single Pump Controller	Dual Pump Controller
CSM240VF	1Ph	0.4	2.7	PPC-15002-B	PPC-30010-B
CSM500VF	1Ph	0.75	5.3	PPC-15002-B	PPC-30010-B
CSM650VS	1Ph	1.5	9.6	PPC-15002-D	PPC-30010-D
CSM850CS	1Ph	1.5	9.6	PPC-15002-D	PPC-30010-D
CSM160XGS	1Ph	1.5	10.2	PPC-15002-D	PPC-30010-D
Pump 3Ph	Voltage	Kw	Amps	Single Pump Controller	Dual Pump Controller
CSM500VT	3Ph	0.75	2.0	PPC-15006-A	PPC-30030-A
CSM650VT	3Ph	1.5	3.4	PPC-15006-A	PPC-30030-A
CSM850CT	3Ph	1.5	3.4	PPC-15006-A	PPC-30030-A
CSM160XGT	3Ph	1.5	3.6	PPC-15006-A	PPC-30030-A
CSM300XGT	3Ph	1.5	5.3	PPC-15006-B	PPC-30030-B

ONGA CSM RANGE



1 YEAR WARRANTY

CAST IRON SUMP PUMPS

The vortex range is suitable for dewatering where some solids may be present. They feature a dry motor design with automatic thermal overload protection and mechanical overload switch (autocut). They have dual mechanical seals in a cast iron oil chamber, stainless steel shafts, and dual ball bearings for smooth running and long life.

These motors are designed to provide high starting torque without drawing excessive current and come with H07RN-F cables for durability in harsh environments, with epoxied electrical connections to ensure water tightness.

FEATURES

- Cast iron construction making them solid, durable and rugged, with high abrasion resistance to suspended particles.
- 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.
- Epoxy cable - motor connection for preventing water ingress through the cable.
- 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 (kW)	Voltage (V)	Rated FLA (A)	Starting	Speed (RPM)	Cable Length (M)	Cable Type	Insulation Class	Start Cap	Run Cap	Power Factor	Max. Temp Rating (°C)		Motor Protection
												Intermittent	Continuous	
CSM240VF *	0.4	230-1-50	2.7	PSC	2pole/2850	10	H07RNF	B	8µF	-	0.98	50	40.6	Thermal
CSM500VF *	0.75	230-1-50	5.3	PSC	2pole/2850	10	H07RNF	B	12µF	-	0.98	50	40.6	Auto Cutout Switch
CSM500VT	0.75	415-3-50	2.0	DOL	2pole/2850	10	H07RNF	B	-	-	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.

ONGA 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. flooding.

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

ONGA 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.

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

ONGA 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.

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

ONGA 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.

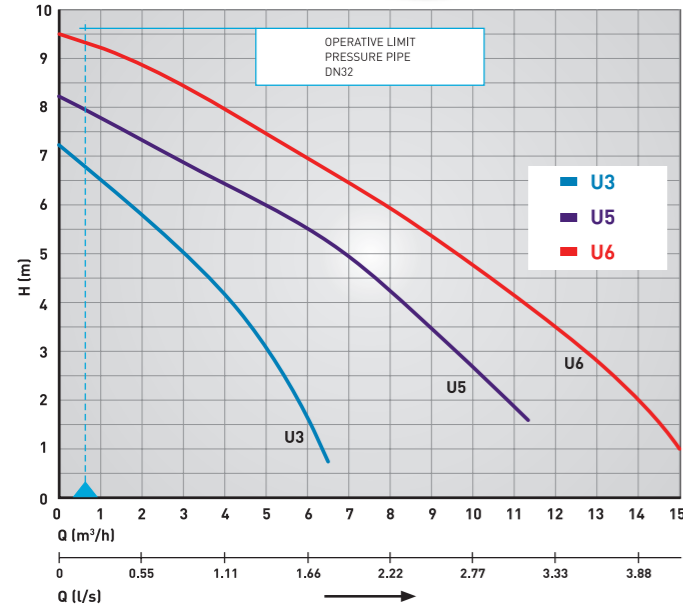
Applications:

- 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).

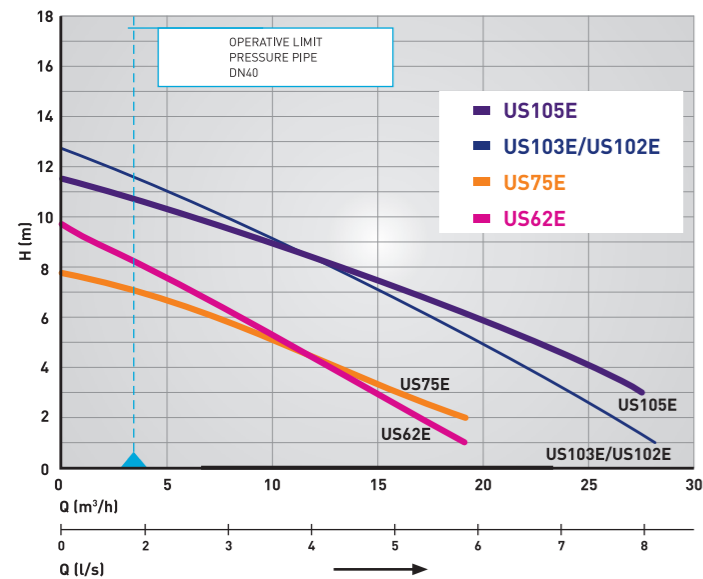
Model	Watts	Nominal Current (Amps)	Full Load Current (Amps)
VF150	180	1.4	2.0

JUNG PUMPEN PERFORMANCE CURVES

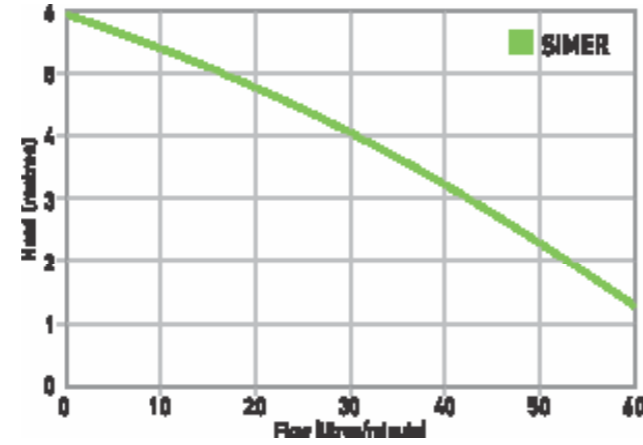
• U3-U5-U6



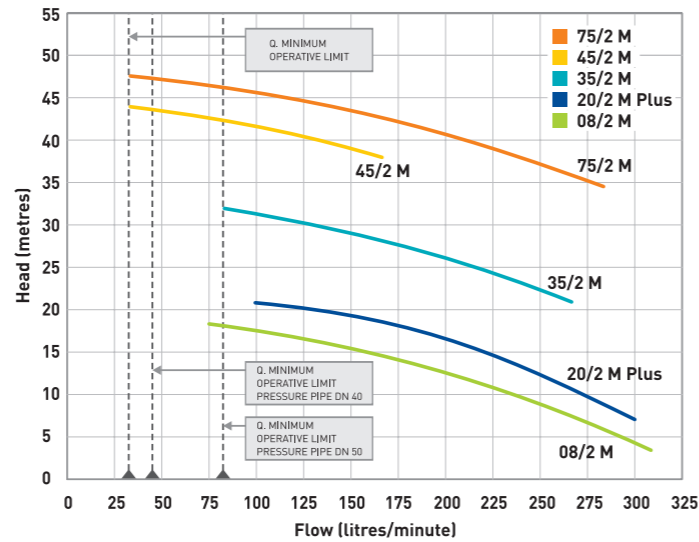
• US PUMPS



• SIMER

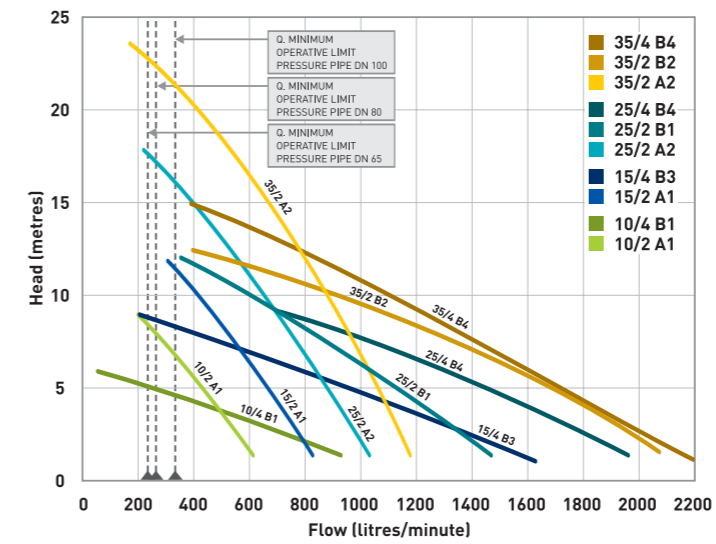


• MultiCut

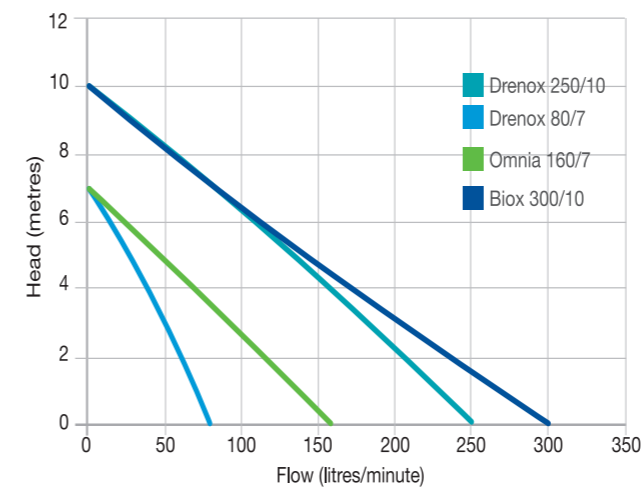


ONGA PERFORMANCE CURVES

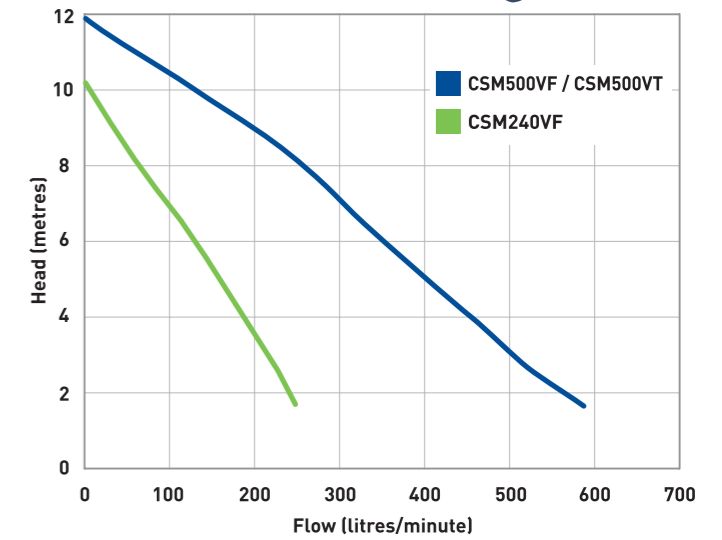
• MultiStream



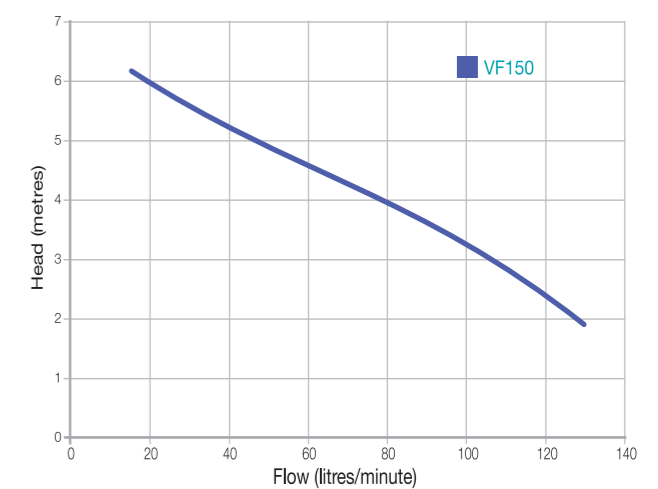
• DRENOX / OMNIA / BIOX



• CSM



• VF150





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