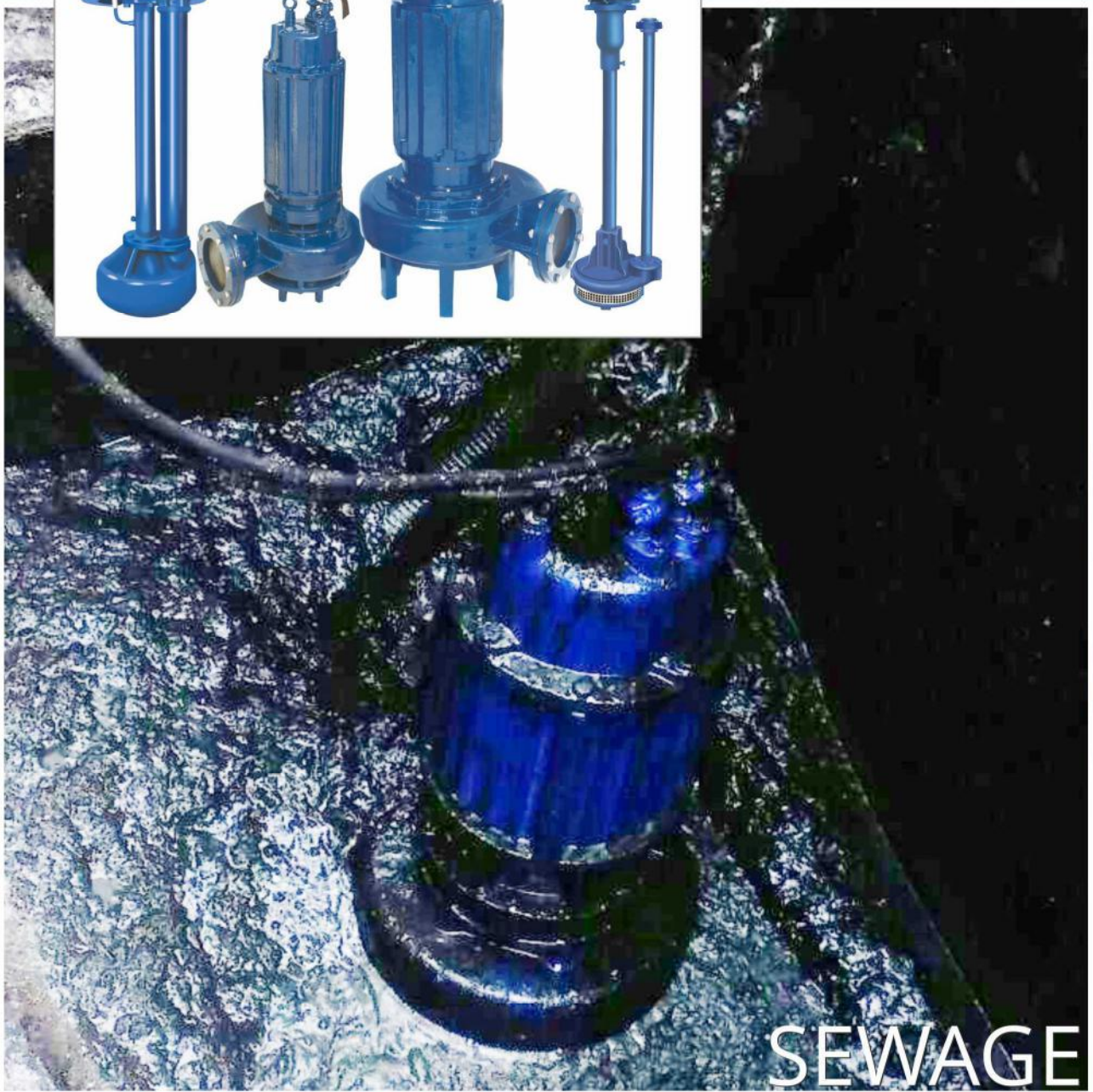




DARLING[®]
PUMPS

Designing SMART pumping solutions...

Designed to be tough...



SEWAGE

Submersible Unclog Pumps - SC / SR / SV Series

Applications

- Raw & Unscreened Sewage
- Industrial Wastes & Effluents
- Municipal Sewer Lines
- Tailing Ponds
- Sewage Treatment Plants
- Effluent Treatment Plants
- Pharmaceutical, Textile & Tanning Units
- River Cleaning Projects
- Cable Trench Pits
- & many more similar applications...



Features

- Choice of impellers and casings to handle different kind of solids, has better solid handling passages for clog free working
- Highly efficient slow speed motors with built-in protection against temp. rise, dry running, overloading and mechanical jamming
- Built-in thrash guard arrangement for release of pressure on mech. seals
- Optional spiral cutting plate arrangement to handle fibrous solids
- Optional cooling jacket arrangement
- Fast out system (guide pipe / rail)
- Special series for pumping hot temperature liquids

Denominations

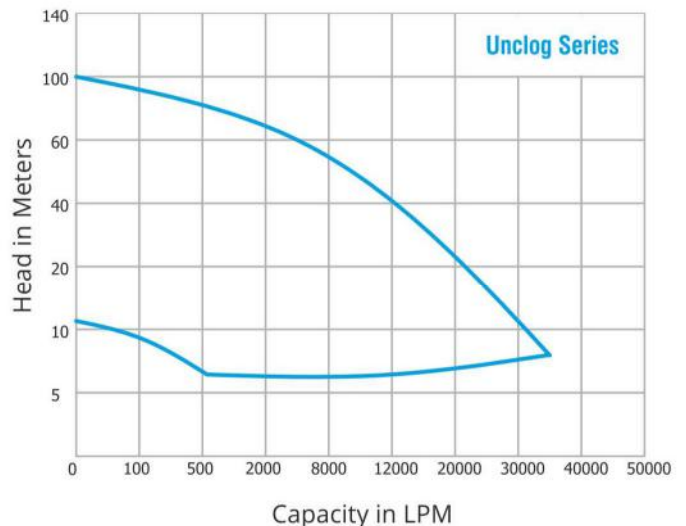
Product Code	SC+ / SR+ / SV+
Installation	Vertical
Impeller Characteristic	Radial / Non-clog
Discharge Connection	65/80/100/150/200 mm

Process Data

Liquid Temperature	Max 40°C
Liquid Density	Max 1200 kg/m ³
Suitable for Liquid pH	6 to 8
Solid Passage	Up to 100 mm

Technical Specifications

Flow	: Up to 35000 LPM
Head	: Up to 100 m
Rating	: 2.2kW to 220kW
Frequency	: 50Hz
Supply	: Three Phase - 415 V
Motor	: Wet type / Dry Type
RPM	: 1450 / 960 (nominal)
Materials	: Cast Iron, Nickel-CI, Various grades of SS & Duplex



Vertical Wet Pit Pumps - ES / VPP Series

Applications

- Raw & Unscreened Sewage
- Industrial Wastes & Effluents
- Municipal Sewer Lines
- Tailing Ponds
- Sewage Treatment Plants
- Effluent Treatment Plants
- Pharmaceutical, Textile & Tanning Units
- River Cleaning Projects
- Cable Trench Pits
- & many more similar applications...



Features

- Compact and user friendly design
- Suitable for pit depth up to 6.5 meters
- Option of oil/grease lubrication for shaft & bearings
- No separate service water pump is required for lubrication purpose
- Ideal for use in hazardous/inflammable environment as these pumps can be supplied with FLP motors
- Variety of MOC's to handle various aggressive liquids, solvents and effluents
- Special series for pumping hot temperature liquids

Denominations

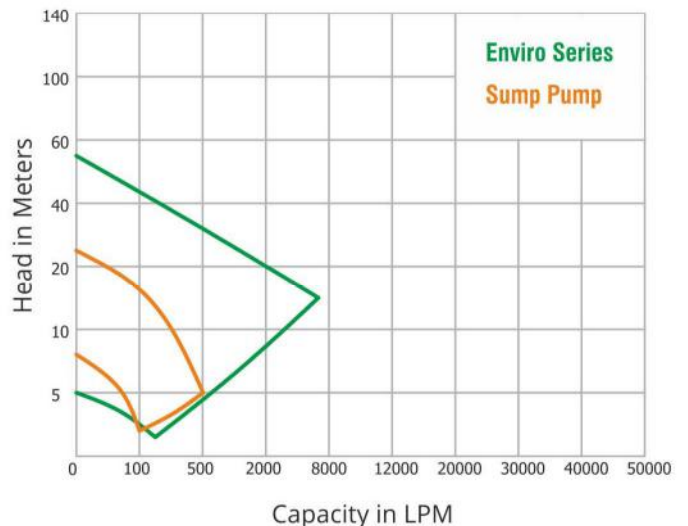
Product Code	ES / VPP / Sump Pump
Installation	Vertical
Impeller Characteristic	Radial
Discharge Connection	25/50/65/80/100/150 mm

Process Data

Liquid Temperature	Max 40°C
Liquid Density	Max 1200 kg/m ³
Suitable for Liquid pH	6 to 8
Solid Passage	Up to 63 mm

Technical Specifications

Flow	: Up to 7500 LPM
Head	: Up to 58 m
Rating	: 0.75kW to 37kW
Frequency	: 50Hz
Supply	: Three Phase - 415 V
Motor	: Vertical Flange Mounted TEFC
RPM	: 2900 / 1450 (nominal)
Materials	: Cast Iron, Nickel-CI, Various grades of SS & Duplex



APPLICATIONS	PRODUCTS		
	4SC/4SR/4SV	ES/VPP/SUMP	HT*
INDUSTRIAL	Industrial Waste, Solvents & Effluents	✓	✓
	Sewage & Effluent Treatment Plants	✓	✓
	Hot water pumping		✓
GOVT. SECTOR	Raw & Unscreened Sewage (sewer lines)	✓	✓
	Sewage & Effluent Treatment Plants	✓	✓
	River Cleaning Projects	✓	
DOMESTIC	Domestic/Commercial Waste & Sewage	✓	✓
	Treated water	✓	✓
	Portable De-watering	✓	

Applications mentioned above are not conclusive, these pumps can be offered for many more similar applications.

*Hot Liquids Series



Our Product Range

- Clear Water Pumps • Raw Water Pumps • Dewatering Pumps • Waste Water Pumps
- Vertical Wet Pit Pumps • Sewage Handling Pumps • Slurry Handling Pumps
- Pump Control Systems ...and various pumping accessories

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