

DanPumps S-DP and S-WS Pumper

Drainage and Sludge Pumps - 50 Hz





DanPumps Drainage Pumps

Applications

DanPumps S-DP is a high-efficient lightweight drainage pump built in aluminium, which is an ideal solution for tough dewatering and transfer duties runs continuously at any water level without overheating - the ideal choice for plug-in operations and is ready for use when delivered on site.

Design

Low weight and robust design securing optimal transportation, handling and installation.

Operating standards

- Max. submersion 20 m
- Max. liquid temperature 40° C
- Max. medium density: 1100 kg/m³
- Limitations pH 5-8
- Classification IP 68
- Any risk of overheating is avoided since the pumped media continuously cools the pump
- Motor protection: Build-in thermal switches in the stator windings (140° C, ±5) connected to the build-in contactor
- Float switch as an option



DanPumps Sludge Pumps

Applications

DanPumps S-WS is a high-efficient submersible sludge pump built in aluminum and cast iron, which is highly portable due to its slim design - suitable for pumping sludge and water mixed with solids. The robust design provides a sturdy pump for rough conditions - the ideal choice for plug-in operations and ready for use when delivered on site.

Design

Low weight and robust design securing optimal transportation, handling and installation.

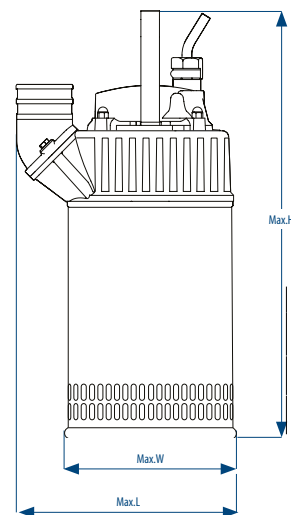
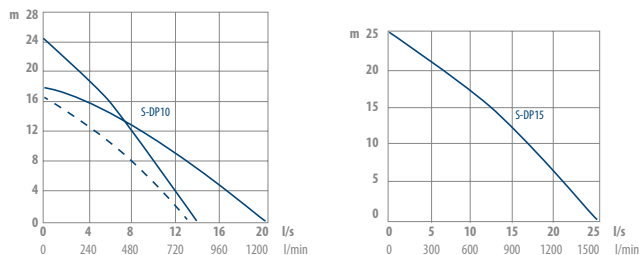
Operating standards

- Max. submersion 20 m
- Max. liquid temperature 40° C
- Max. medium density: 1100 kg/m³
- Limitations pH 5-8
- Classification IP 68
- Motor protection: Build-in thermal switches in the stator windings (140°C, ±5) connected to the build-in contactor
- Reliable and powerful
- Float switch as an option

Technical Specifications S-DP

Type	kW P2	o/m	Outlet flange	Dimensions in mm			Voltage (V)	Current (A)	Weight w/o cable (kg)
				Max. H	Max. W	Max. L			
S-DP10	2,3	2870	3" hose pipe*	570	230	295	230/400	8,4/4,8	30
S-DP15	3,9	2870	3" hose pipe*	570	230	295	230/400	14,1/8,1	32

* Optional discharge connections: 3", 4" including 2 1/2", 3", 4" B.S.P. threaded connections.



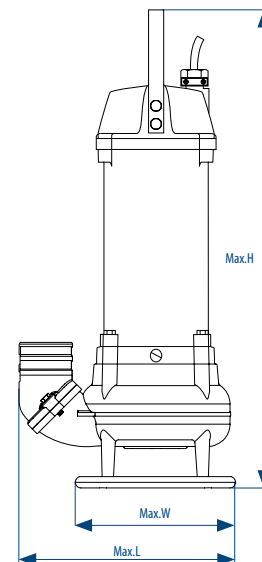
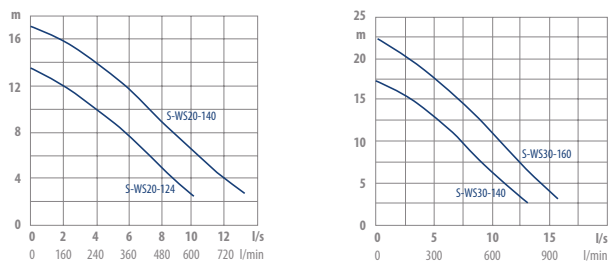
Materials

Castings	Aluminium		
Impeller	Stainless steel		
Casing, handle, fasteners	Stainless steel	10088: X5CrNi18-10 (W.Nr. 1.4301)	AISI 304
Shaft	Stainless steel	X20Cr13 (W.Nr. 1.4021)	AISI 420
O-rings	NBR rubber		
Double Mechanical Seal	Double mechanical seal with oil	Primary seal: SIC/Carbon Secondary seal: Carbon	
Bearings	Upper bearing: Single-row deep groove ball bearing Lower bearing: Double angular contact ball bearing		
Cable	20 m	H07RN-F	

Technical Specifications S-WS

Type	kW P2	o/m	Outlet flange	Dimensions in mm			Voltage (V)	Current (A)	Weight w/o cable (kg)
				Max. H	Max. W	Max. L			
S-WS20-124	2,0	2850	2 1/2" hose pipe*	700	207	320	3 x 400	4,2	29
S-WS20-140	2,0	2850	2 1/2" hose pipe*	700	207	320	3 x 400	4,2	29
S-WS30-140	3,3	2850	2 1/2" hose pipe*	700	207	320	3 x 400	4,2	29
S-WS30-160	3,3	2850	2 1/2" hose pipe*	700	207	320	3 x 400	4,2	29

* Optional: 3", 4" hose connection including 2 1/2", 3", 4" B.S.P. threaded flanges.



Materials

Motor housing	Aluminium		
Volute and impeller	Nodular cast iron	1563:ENGJS-HB150	ASTM A 536-80:60-40-18
Handle and fasteners	Stainless steel	10088: X5CrNi18-10 (W.Nr. 1.4301)	AISI 304
Shaft	Stainless steel	10088:X20Cr13 (W.Nr. 1.4057)	AISI 420
O-rings	NBR rubber		
Double mechanical seal	In oil bath	Primary seal: SIC/Carbon Secondary seal: Carbon	
Bearings	Upper bearing: Single-row deep groove ball bearing Lower bearing: Double angular contact ball bearing		
Cable	20 m	H07RN-F	

About SonFlow A/S

DanPumps A/S changed its company name to SonFlow A/S in 2019 and started manufacturing plate heat exchangers - it signalizes new investments and new missions as we want to focus on process technology, energy and the environment. SonFlow A/S works hard to ensure the philosophy of innovation and advancement by delivering best in quality products and good service.

We strive our best to safeguard the environmental processes and adapt modern friendly approaches in product design and production processes. DanPumps centrifugal pumps are still being marketed under the brand name DanPumps.



Plate heat exchangers as a complementary product

SonFlow A/S offers plate heat exchangers as a complementary product to DanPumps centrifugal pumps, which opens new markets. The engineering team of SonFlow is developing new designs and customized process equipment's based on many years of experience.

We are ISO 9001 certified and provide plate heat exchangers and pumps to all industries - we are continually expanding and diversify the business responding with innovative high-quality products and services.

Manufacture of plate heat exchangers and pumps

SonFlow A/S is specialized in manufacturing centrifugal pumps within all industries and plate heat exchangers to use in thermal processes.

SonFlow offers a broad range of products for different applications - you can rely on SonFlow specialists to take a professional approach to your specific challenge and solve difficult pumping and plate heat exchanger applications.



Aage Søndergaard Nielsen
Founder & CEO