

TECHNICAL SPECIFICATION

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Revision: 17.14

MEVA
by Nordic Water

Sand Washer SWA

General information

Meva Sand washer SWA is designed to dewater and wash sand from sedimentation tanks.

In traditional sedimentation tanks, no separation of organic and inorganic materials takes place. As a result, the organic content of the material collected in the sedimentation tank often totals up to 30-80 %. The Meva SWA reduces the organic content in the sand to an end product with an ignition loss of 1-5 %. This level is prescribed internationally.

The operation-related advantages are, apart from substantially smaller amounts of sand, a better working environment and significantly decreased transportation and disposal costs.

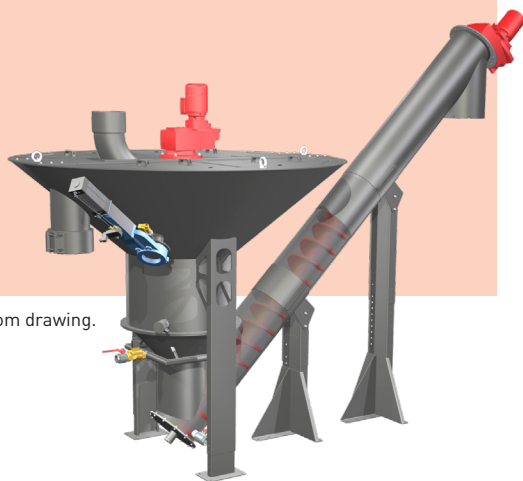


Illustration may differ from drawing.

Manufacturing standards	
SWA	EC Machinery Directive 2006/42/EC, EU standards EN ISO 12100 1&2, EN ISO 14121-1

Surface finish	
Surface treatment	Hand polished
Painted parts standard color	RAL 4002
Painting standard	BSK 07 ISO 12944 C3 A3.03

Specification	
Sand level indicator	Hydrocont S50 S0AB0AS110
Organic outlet valve standard	Pneumatic

Electrical specification	
Voltage	3x400 V
Frequency	50 Hz
Enclosure	IP 55

Construction material	
Main parts	<i>Stainless steel EN 1.4307 or EN 1.4404</i>
Actuator end position sensor	<i>Telemecanique (SWA 12, 21, 28)</i>
Ball valve	<i>Brass</i>
Bearing	<i>Carbon steel</i>
Flexible pipe coupling	<i>Rubber and stainless steel</i>
Gasket	<i>Chloroprene</i>
Gearbox	<i>Cast iron etc.</i>
Handle	<i>Thermoplastic</i>
Key	<i>Carbon Steel EN S355 J2</i>
Lock including clamp	<i>Polyamide, Stainless EN 1.4301</i>
Motor	<i>Aluminum</i>
Organic outlet valve [pneumatic]	<i>Nodular cast iron and stainless steel</i>
Sand level pressure sensor	<i>Ceramic, POM plastic, Stainless steel</i>
Sealing ring	<i>NBR Rubber</i>
Solenoid valve	<i>Brass</i>
Spiral screw	<i>Carbon Steel EN S355 J2</i>

For further information, see next page.

Options	
Color [other than standard]	<i>Painted parts</i>
Surface treatment	<i>Electropolished</i>

Motor options	
Anti-condensation heater	<i>Motor option</i>
Thermistor	<i>Motor option</i>
Thermo-contact (Klixon)	<i>Motor option</i>
Weather protection	<i>Motor option</i>

Material options	
Ball valves	<i>Material</i>
Outlet piping flange	<i>Material</i>
Solenoid valve	<i>Material</i>
Transport screw	<i>Material</i>

Electric options	
Organic outlet valve	<i>Electric actuator</i>
End position indicator	

Additional accessories	
Angle seat valve	
Control panel	
Limit switch box	
Magnetic safety switch	

Transport and handling	
SWA	Transported on wooden pallet
Other packaging options may be available upon request.	

Documentation	
Machine card	
Operation & maintenance manual	
Dimensional drawing	
Control philosophy	
Further documents are available upon request	

Accessories	
Documentation	

Model	SWA 9	SWA 12	SWA 12 XG	SWA 14	SWA 21	SWA 21 XG	SWA 28	SWA 28 XG	SWAT 21
Agitator Gearbox	Nord SK 3382 AFBH-VL	Nord SK 3382 AFBH-VL	Nord SK 3382 AFBH-VL	Nord SK 3382 AFBH-VL	Nord SK 3382 AFBH-VL	Nord SK 3382 AFBH-VL	Nord SK 4382 AFBH-VL	Nord SK 4382 AFBH-VL	
Agitator Motor	Nord 80S/4	Nord 80S/4	Nord 80S/4	Nord 80S/4	Nord 80S/4	Nord 80S/4	Nord 90S/4	Nord 90S/4	
Agitator Power	0,55 kW	0,55 kW	0,55 kW	0,55 kW	0,55 kW	0,55 kW	1,1 kW	1,1 kW	
Conveyor Gearbox	Nord SK 3382 AZBH	Nord SK 3382 AZBH	Nord SK 4382 AZBH	Nord SK 3382 AZBH	Nord SK 4382 AZBH	Nord SK 4382 AZBH	Nord SK 4382 AZBH	Nord SK 4382 AZBH	
Conveyor Motor	Nord 80S/4	Nord 80S/4	Nord 90S/4	Nord 80S/4	Nord 90S/4	Nord 90S/4	Nord 90S/4	Nord 90S/4	
Conveyor Power	0,55 kW	0,55 kW	1,1 kW	0,55 kW	1,1 kW	1,1 kW	1,1 kW	1,1 kW	
Drawing No.	DD-SWA9	DD-SWA12	DD-SWA12XG	DD-SWA14	DD-SWA21	DD-SWA21XG	DD-SWA28	DD-SWA28XG	