TECHNICAL SPECIFICATION
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DYNASAND
by Nordic Water

DynaSand Continuous Filter DS1500 FRP

General information

The filter is manufactured in isophthalic polyester (ISO) or vinyl ester (VE) and consists of a cylindrical tank provided with flanged connections for feed, filtrate discharge, wash water discharge and drain. The filter is delivered with internal parts consisting of water distributor, sand distributor, sand washer, guide pipe and air lift pump. The feed inlet pipe is provided with a combined vacuum breaker/de-aerator/head loss indicator pipe.

Lids are provided as options for the filter.

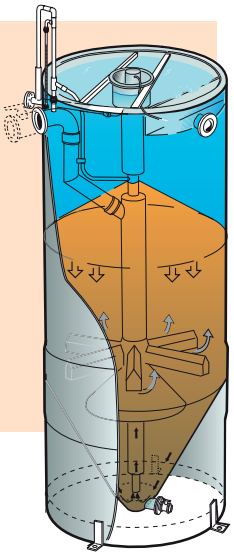

Illustration may differ from drawing

Manufacturing	
Filter	EC Machinery Directive 2006/42/EC
FRP	EN13121 were applicable

Surface finish	
FRP	Top-coated RAL 7035 UV protective (light gray)

Transport and handling	
Filter	Transported on a wooden cradle handleable by forklift
Accessories	Transported in a box

General dimensions and construction materials	
Filter area	1.5m^2
Sand washer	FRP
Airlift pump	PPH/PE
Head loss indicator pipe	PMMA
Deaeration pipe	PVC
Foot plates	Hot-dip galvanized
Non wetted steel parts	Hot-dip galvanized

Accessories	Documentation
Sand velocity measuring rod	Installation manual
Wash water calibration rod	Operation & maintenance manual
Sand discharge pipe	Dimensional drawing
Assembly tool for airlift pump	
Brush	

Options	Art. No.	Material
Lid	N52274A	FRP ISO
Mirrored filter	N10000405	-

Drawing No.	28547

Filter model	Art. No.	Bed height	Max. allowed temp.	Max. allowed windload	Filter tank & Internal	Wetted fasteners	Transport volume LxWxH
DS1500 FRP AE	N29649C	1.5m	60° C	50m/s	FRP ISO	Titanium	5.3 x 1.5 x 1.6 = 12.7m^3
DS1500 FRP AE	N29649B	1.5m	80° C	50m/s	FRP VE	Titanium	5.3 x 1.5 x 1.6 = 12.7m^3
DS1500 FRP AD	N29600C	2m	60° C	50m/s	FRP ISO	Titanium	5.8 x 1.5 x 1.6 = 13.9m^3
DS1500 FRP AD	N29600B	2m	80° C	50m/s	FRP VE	Titanium	5.8 x 1.5 x 1.6 = 13.9m^3
Maximum allowed windload, according to EN1991-1-4; 10 min mean wind, with 2% yearly probability to be exceeded at 10m elevation, open landscape.							

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