

Technical specification: NP Drumfilter T1616-1640

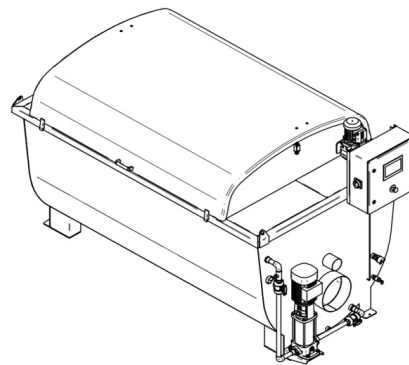
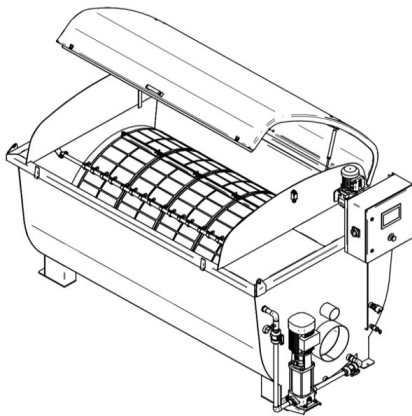
General information

NP Drumfilter is a filter for removal of suspended solids. The filter has a number of filter media panels attached to a drum. There are two alternative panel designs, the PG with grid structure of Polypropylene and MR with structure of FRP. The filter cloth is normally made of polyester or stainless steel, and the filter opening can be chosen from a wide range, but in general a filter opening between 7 and 300 µm is used. NP Drumfilter model T is equipped with tank for freestanding installation. Tank and drum is made of stainless steel. Hood is made of FRP or stainless steel. The drum is rotated by a worm gear motor via a plastic chain driving on the peripheral of the drum. Reject is collected in a flume inside the drum and discharged through the center shaft.

The filter has a complete backwash system with pump, piping and spray assembly. Design according to EC Machinery Directive, 2006/42/EC. Welding is carried out in accordance with European standards EN287, EN288 and EN719.

All welded stainless steel parts are fully pickled or blastered.

The workshops which manufacture our products have a high standard and deliver products of high quality. Before delivery the equipment is inspected and all dimensions are controlled.



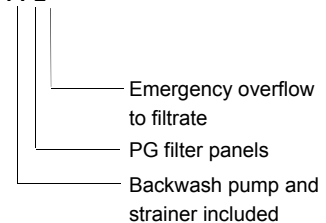
Filter model / Data	T1616	T1620	T1624	T1628	T1632	T1636	T1640
Dimensional drawing nr.	51002	52002	53002	54002	55002	56002	57002
No. of sections	4	5	6	7	8	9	10
No. of filter panels	16	20	24	28	32	36	40
Filter area (m2)	7,2	9,0	10,8	12,6	14,4	16,2	18,0
Submerged effective filter area (m2)	4,7	5,9	7,0	8,2	9,4	10,5	11,7
Backwash flow at 7 bar (intermittent, m3/h)	3,6	4,5	5,4	6,3	7,2	8,1	9,0
No. of backwash nozzles (pcs)	20	25	30	35	40	45	50
Installed pump motor power (kW)	1,5	2,2	2,2	2,2	3,0	3,0	3,0
Pump model (Grundfos)	CR3-17	CR5-14	CR5-14	CR5-16	CR5-18	CR10-8	CR10-9
Backwash strainer model (Amiad)	R40	R40	R40	R40	R40	R40	R40
Weight dry (kg)	1030	1190	1350	1510	1670	1830	1990
Weight in operation (kg)	3830	4690	5550	6410	7270	8130	8990

General

Drum diameter (m)	1,6
Dimensions of filter panels (LxW, mm)	1200x400
Drive moter type	SEW SA47
Drive motor effect (kW)	0,37
Drive chain type	NH78 Acetal w. SS316 pins
Backwash nozzles type	ceramic
Drum slide bearings	Composite polymer
Drum seal material	Wear resistant rubber

Options:

T16XX-PPL



Stainless steel quality and filter media type according to order