

SCREW FILTER SCREEN

GENERAL FEATURES

The SCREW FILTER SCREEN has the advantage of combining different functions in a single machine, in particular both the micro and the macro grilling, pressing and dewatering of sludge and floating substances in the waste water of civil or industrial wastewater treatment plants.

CONSTRUCTIONAL FEATURES

GRILLING ZONE

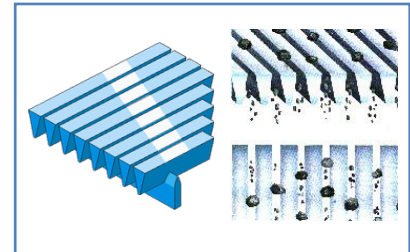
- ROTATING CYLINDRICAL SCREEN SCREENING for Micro Screening consists of a particular profile to spiral wrapped trapezoidal cross section to a longitudinal bar structure.
- macro screening with perforated sheet metal or bars which are wound along the circumference with appropriate passage openings;
- SCREW with Shaft fitted on the outside by a cleaning brush;
- CLEANING SYSTEM with spray nozzles positioned inside the grilling screen;

LIFTING ZONE:

- CYLINDER closed, coated on the inside by a special wear-resistant material on Which rests and rotates the screw, it is even provided of inspection covers.

COMPACTING AND DEHYDATING ZONE

- BODY completely perforated for water drainage;
- CONTAINMENT TUBE;
- INTERNAL WASH SYSTEM;
- OUTLET CHUTE of pressed solids;
- TUBING DRAIN separate water;
- ENGINE via gear motor directly coupled;
- SPACING from 2 to 12 mm.



STANDARD

In S.S. inox AISI 304, or S.S. Inox 316L.

OPERATION

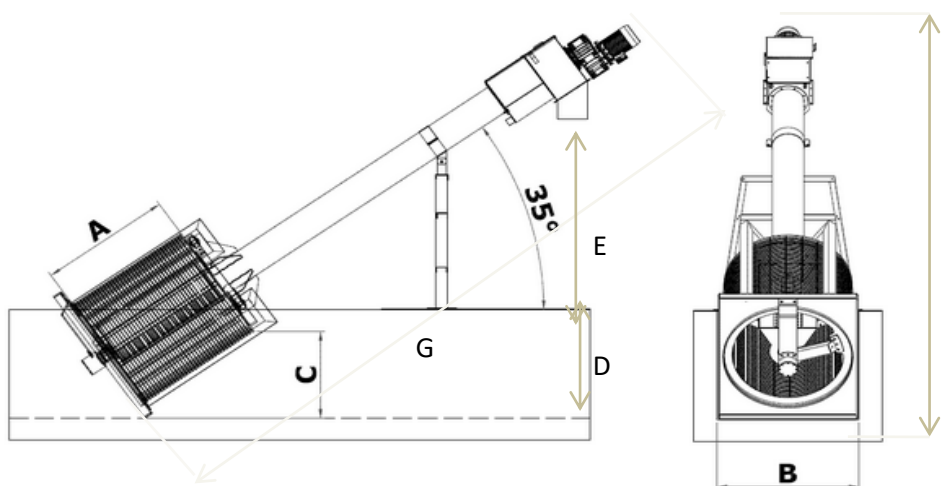
The water to be grilled passes through the filter screen leaving on the same all over the dimensions of the material above the passage opening, when the level increases upstream of the grid, reaching the threshold value, it actuates the rotary movement of the screen and the central screw .

The blades clean the screen depositing the grid material on the main auger. The auger provides lifting, compacting and bagging of the screened material. During the removal the material undergoes a dehydration of about 50% by weight. In addition, the completely closed body, prevents the spread of bad smells.



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Caratteristiche principali Main Features		U.M.	Dimensioni / Dimensions						
MODELLI / MODELS			GFC 800	GFC 1000	GFC 1200	GFC 1400	GFC 1600	GFC 1800	GFC 2000
channel width (B)	mm	800	1000	1200	1400	1600	1800	2000	
channel height (D)	mm	700	900	1000	1200	1400	1600	1800	
Outlet Height E)	mm	1800	1900	2000	2200	2400	2600	2800	
Altezza max (F)	mm	2900	2900	3000	3200	3400	3600	3800	
Lunghezza max (G)	mm	4800	5000	5200	5500	6000	6200	6600	
Spacing	mm	0.5 ÷ 6 8 ÷ 30							
Screen Lenght(A)	mm	600	800	1000	1200	1400	1600	1800	
Diameter of Screen Drum	mm	780	800	1000	1200	1400	1600	1800	
Screw Diamater	mm	273	280			300		400	
Power supply	kW	1..5							
weight	Kg	380	400	470	500	550	650	700	



PORTATA LIQUAMI CIVILI CON 200 P.P.M. DI S.S.T. – (l/s)

CIVIL SEWAGE FLOWS WITH 200 P.P.M. OF S.S.T – (l/s)

Modelli Models	Portata nominale (l/s) Luci di filtrazione / Screen gaps (mm)												
	0,50	1	2	3	4	5	6	8	10	15	20	25	30
GFC800	40	55	65	85	100	121	136	150	173	210	240	270	300
GFC 1000	58	102	163	203	232	254	271	296	313	339	353	363	369
GFC 1200	91	159	254	317	383	397	423	462	488	529	552	567	577
GFC 1400	126	220	352	440	502	550	586	639	676	733	765	785	799
GFC 1600	176	308	492	615	703	769	821	895	947	1026	1070	1099	1119
GFC 1800	234	410	656	821	938	1026	1094	1194	1262	1368	1427	1465	1492
GFC 2000	304	532	851	1064	1216	1330	1418	1547	1637	1773	1850	1900	1934

The company reserves the right to make changes and / or improvements without notice.