



MAQUINARIA
DE CANTERAS
TRIMAN, S.A.U.

Triman
Sludge
remover

DLT



SLUDGE REMOVER DLT

Given the increasing environmental concerns in the industry and in an attempt to protect our ecological surroundings and minimize the negative effects of industrial activities, it is necessary to purify and recover the water used in the process of washing aggregates. The first step is to recover 100% of the water that is used and to eliminate the concentration of sludge.

TRIMAN introduces its full range of DTL sludge removers that have been designed to treat the water used in the washing process. This range is particularly suited to the aggregate industry.

This equipment is designed to minimize the complexity of operation and maintenance. The machine is supported by solid leg supports, yielding easy access to the sludge output and the pump that is normally installed below.

CONSTRUCTION

MAIN SPECIFICATIONS

Decanting tank: Full steel construction, 6 mm bottom and 4 mm sides, rib reinforcements and transported in sectors that are assembled with bolts and watertight gaskets.

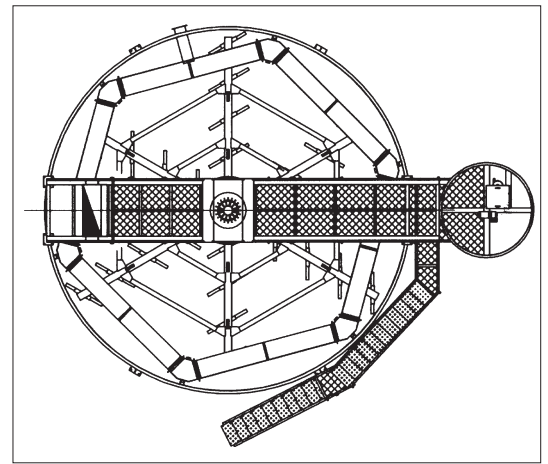
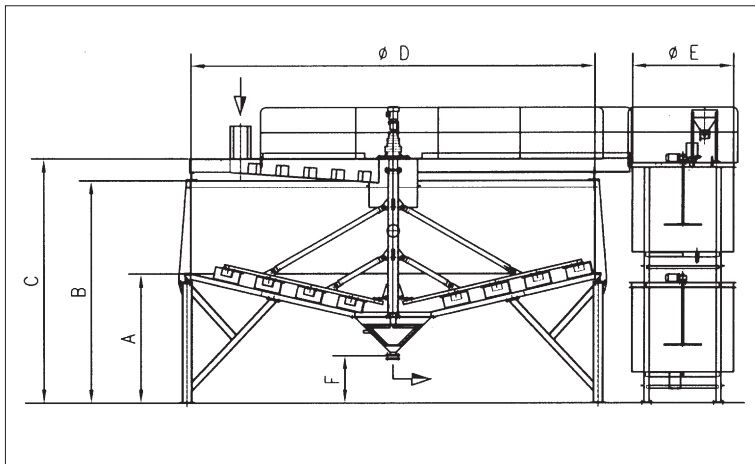
Displacement motor: Epicycloidal motor-reducer with a service factor greater than 1.5 yielding 25,000 hours of operation at full capacity. The motor incorporates an exclusive TRIMAN system that gauges the applied force and measure the sludge concentration.

Scoops: Designed for sludge extraction by concentrating on the lower evacuation cone; the scoops turn at a slow speed to prevent turbulence in the evacuation cone.

Preparation of flocculants: Costs are reduced by employing powdered flocculants. In order to dose and liquefy them, the TRIMAN device has a built in flocculants preparer. The solid flocculants are blended with water in a pot by means of an agitator. The liquid flocculants are then introduced by a pump at the decanter input.

Maintenance of flocculants: Since there are flocculants that react best 1 or 2 hours after being prepared, the flocculants are accumulated in a secondary tank above the main tank and then introduced in the residual water after it has completed its reaction.





MODEL	A	B	C	D	E	F
DLT-120	2250	3760	4120	5000	2000	830
DLT-175	2320	4130	4490	6000	2000	950
DLT-250	2570	4420	4850	7000	2000	950
DLT-300	2570	4420	4850	8000	2000	950
DLT-400	2740	4740	5170	9000	2000	950
DLT-600	3090	5290	5720	11000	2000	950

MODEL	DIAMETER mm	SURFACE m ²	CAPACITY m ³ /h	POWER Kw
DLT-120	5.000	19,63	120	0,75
DLT-175	6.000	28,27	175	1,1
DLT-250	7.000	38,48	250	1,5
DLT-300	8.000	50,27	300	2,2
DLT-400	9.000	63,62	400	3
DLT-600	11.000	95,03	600	4





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