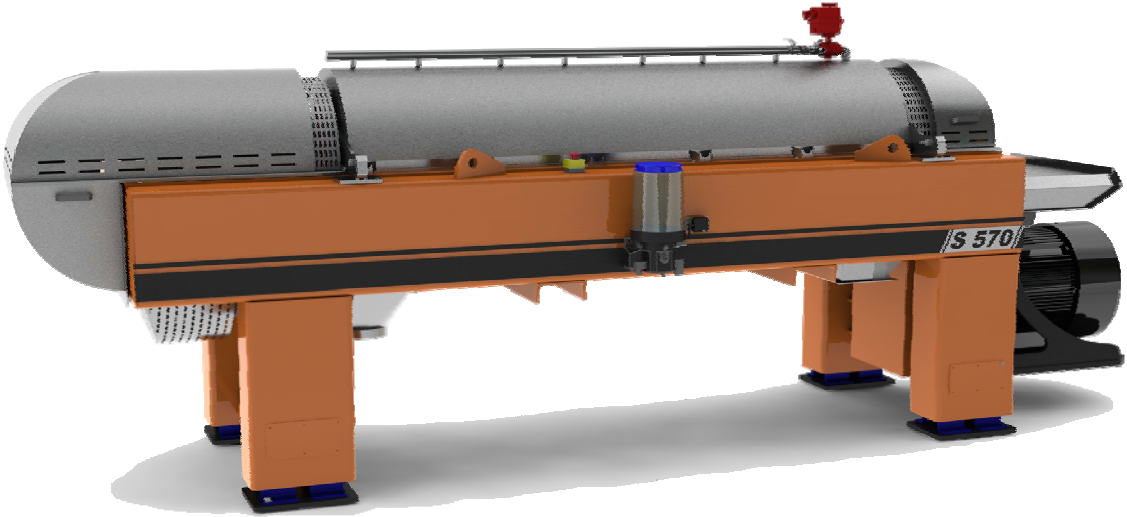


DEWATERING DECANTER

S 570



CENTRIFUGE DECANTER'S TECHNICAL SPECIFICATION

Decanter Type: S 570

Decanter's Operation Principle

Decanters are the units, which operates horizontally and provides the separation of the liquid and solid products inside it, through rotating around its own axle at a certain rotation speed, in order to create the proper G Force (centrifugal force).

The G Forces to be created are known according to the product diversity. Decanter consists of a main engine, which drives the outer body, and a secondary engine, which provides rotation to the internal spiral, and a gearbox, which provides the rotation difference between the body and conveyor and a main chassis, which holds all of these units stably together at a minimum vibration value.

The purpose of the above described decanter is to dehydrate the various mud types at a certain humidity ratio.

Body

Max. Body Rotation	2900 rpm
Body Length	2410 mm
Conic Length	736 mm
Body Diameter	Ø570 mm
Conic Angle	10°
Solid Waste Output	360° x 8 Pieces
Solid Waste Output Radius	R 171 mm
Liquid Output	360° x 4 Pieces
Straight Body Shim	360° x 16 Pieces
Conic Body Shim	360° x 32 Pieces
Liquid Output Radius R	R171mm (Max. R 185 mm)
Material-Felts	FKM Felt Types
Material-Body Drum	DIN 1,4462 DUPLEX
Material-Front and Rear Cover	DIN 1,4462 DUPLEX
Main Chasis	St 37 + epoxy paint

Conveyor

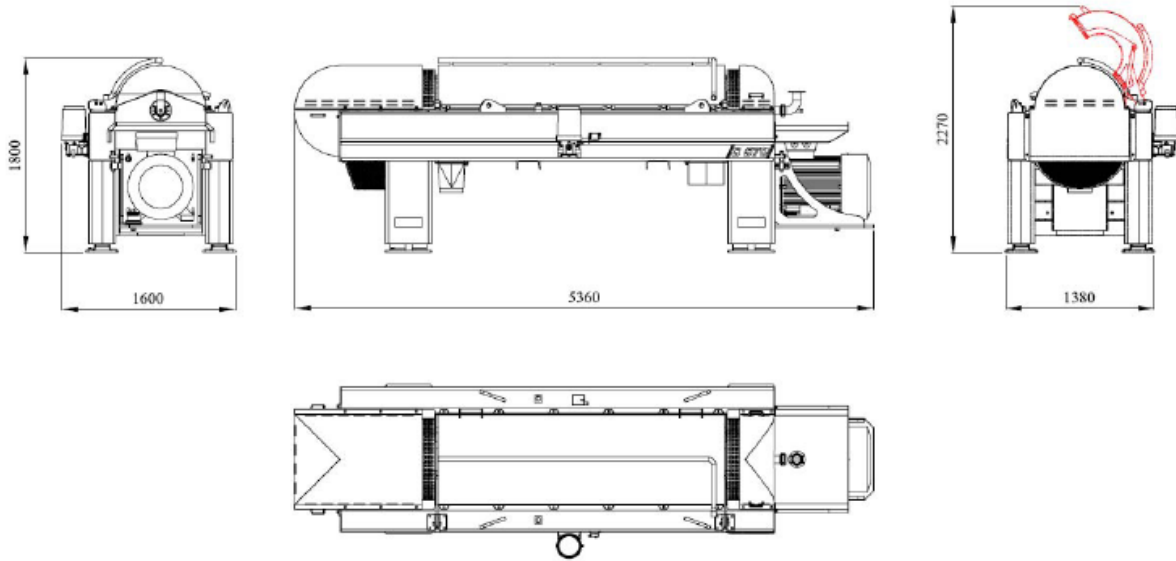
Conveyor Length	2380 mm
Conveyor Wing Material	AISI 316
Conveyor Body Material	DIN 1,4462 DUPLEX
Engine Driving System	Inverter

Protection Against Wearing

Body Solid Output	Tungsten Carbide Nickel based surface hardening
Conveyor Wings	Tungsten Carbide Nickel based surface hardening
Conveyor Feeding Area	Tungsten Carbide Nickel based surface hardening

Operation Data

Power Supply	380 V - 50 Hz
Protection class of the main panel	IP 55
Vibration and Cover sensor	Available
Gearbox Type	Cycloid
Rotation During The Operation (rpm)	2900 rpm
Body Power Transmission Engine	55Kw
G Force During The Operation	2150 G
Max. Operation Temperature	100 C°
Hydraulic Capacity	45-70 m ³ /h
Decanter's Weight	7150 Kg
Decanter's Volume	15,5 m ³
Max. Density of the Cake to be processed	1,3 kg/dm ³
Conveyor Power Transmission Engine	11 Kw



Dimensions are given in mm.