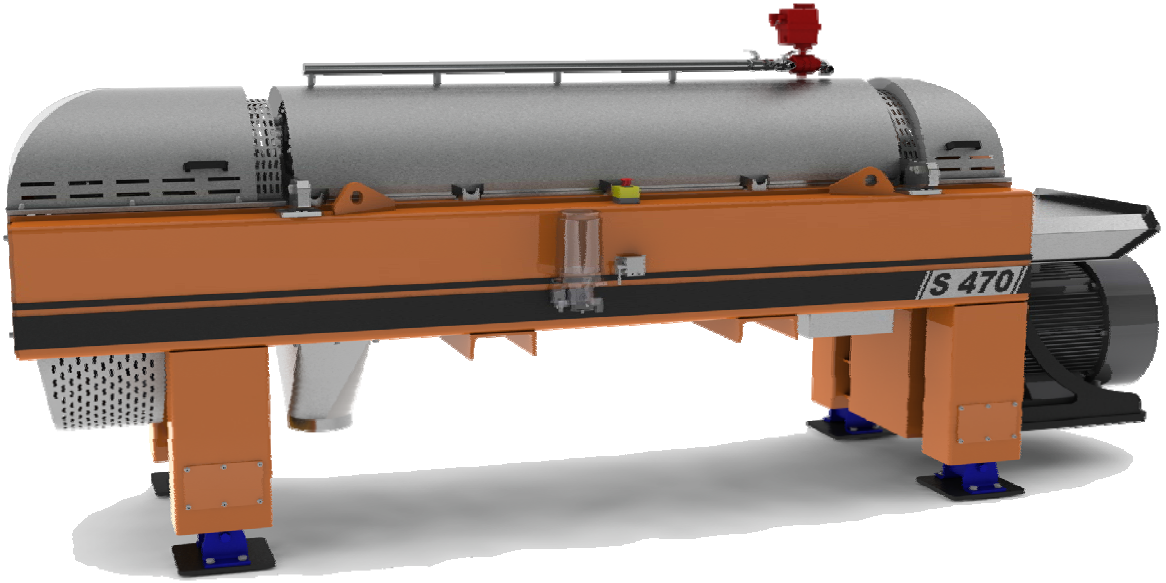


DEWATERING DECANTER

S 470



CENTRIFUGE DECANTER'S TECHNICAL SPECIFICATION**Decanter Type: S 470****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	3200 rpm
Body Length	1974 mm
Conic Length	736 mm
Body Diameter	Ø470 mm
Conic Angle	10°
Solid Waste Output	360° x 8 Pieces
Solid Waste Output Radius	R 138 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	117mm (Max. R160 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

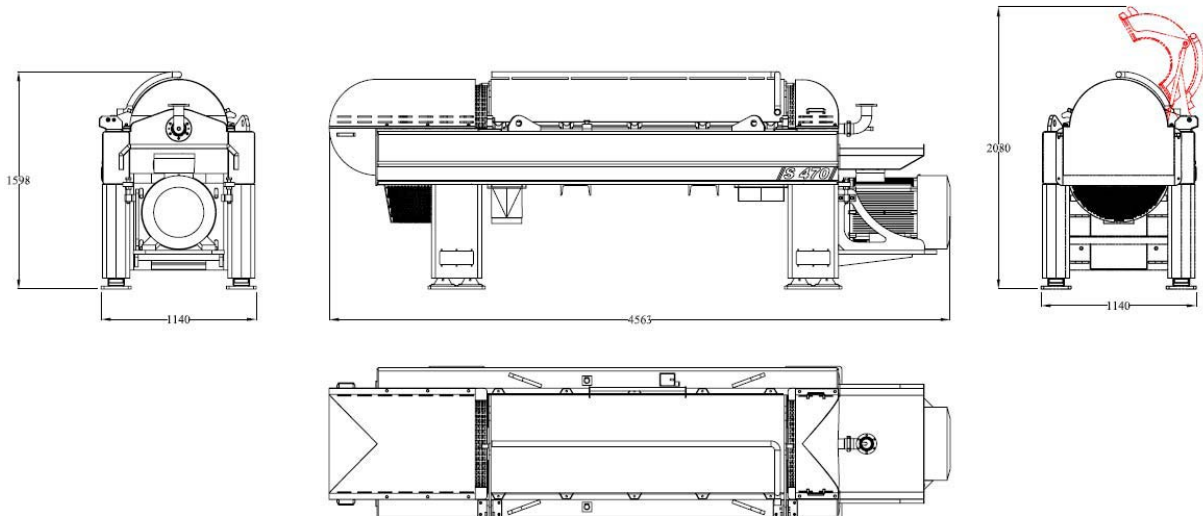
Conveyor Length	1927 mm
Conveyor Wing Material	AISI 316
Conveyor Body Material	DIN 1,4462 DUPLEX
Engine Driving System	Inverter

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)	3000 rpm
Body Power Transmission Engine	45 Kw
G Force During The Operation	3150 G
Max. Operation Temperature	100 C°
Hydraulic Capacity	25-45 m³/h
Decanter's Weight	4700 Kg
Decanter's Volume	8,2 m³
Max. Density of the Cake to be processed	1,3 kg/dm³
Conveyor Power Transmission Engine	7,5 Kw



Dimensions are given in mm.