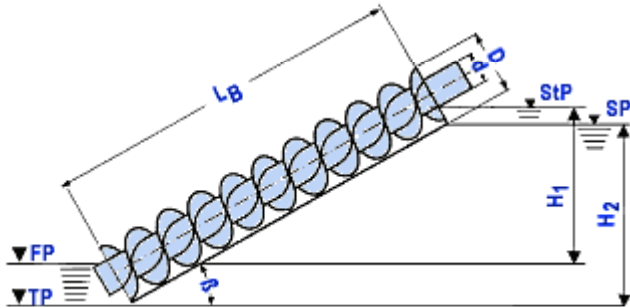


Archimedean Screw Pumps - Definitions

Essential definitions for selection and design of an Archimedean Screw Pump:



TP = Touch Point

Level of intake water at which delivery will cease.

FP = Filling Point

Intake water level at which the screw pump reaches its full capacity and best efficiency but also the highest power consumption.

SP = Chute Point

Discharge level, water shed to discharge channel.

StP = Delivery Point

Level of water leaving the screw pump. This represents the maximum level against which the screw pump can deliver without backflow / recirculation.

β = Angle of Installation

Angle of Installation can be determined between 30° und 40° .

D = Diameter of Helix

d = Diameter of Centre Tube

LB = Length of Helix

H1 = Hydraulic delivery head StP - FP

H2 = Constructional delivery head SP – TP