



Decanter Centrifuge Data Sheet V3 Decanter Centrifuge Model (DNMX 418)

General Information

Typical application	Drilling Fluids
Max. design temp.	220 Degrees Celsius
Centrifugal G-ratio	3549G @ 3600 RPM
Weight	5060lbs

Bowl Assembly

Effective Bowl Dia	14"
Effective Bowl Length	56"
Bowl Material	316 Stainless Steel
Conveyor Material	316 Stainless Steel
Bearing Seals	FKM
Conveyor Pitch	4"
Conveyor feedzone	2 Port Esjberg design (high-wear resistance)
Conveyor Material	316 Stainless Steel

Typical Process

Hydraulic Capacity	200gpm
Weighted Capacity (1080kg/m3)	140gpm
Solids Removal Capacity (1080kg/m3)	15,500lbs/hr
D50 Cut Point (1080kg/m3)	< 5 μ m @ (G Force 2864)
Solids Removal Efficiency @ 5 μ m	87%

Drives

Main motor size	50Hp Baldor 480 VFD
Main motor data	3 X 460 V / 60 Hz
Backdrive motor size	20Hp Baldor VFD
Gearbox Type	3.5kN DD
Pump	3" Gorman Rupp (200gpm @ 1800rpm)
Electrical specifications	480V, 3 wire, 4 pole