



Alfa Laval Decanter Centrifuge Model NX3651B-31G

Duty Condition

Typical Application:	Dewatering of Herbal Slurry
Feed Flow:	4000-5000 Kg/hr with 8-10% w/w Suspended Solid

General Information

Design:	2 phases
Special features:	Food Grade and CIP system
Process liquid temperature:	0° to 100° degree Celsius

Bowl

Diameter:	360 [mm], Ribbs
Material, bowl hubs:	Stainless steel AISI 316
Material, shell, bolts:	Stainless steel AISI 316
Material, seals:	NBR (FDA)
Solids discharge - wear protection:	Wear liners in Tungsten Carbide,

Conveyor

Feed zone:	Esbjerg type with interchangeable wear line
Flight inclination:	Perpendicular to bowl wall
Material, hub:	Stainless steel AISI 316
Material, flights:	Stainless steel AISI 316

Wear protection

Bowl solid outlet:	Wear liner in tungsten carbide
Feed Zone:	None



Electrical System (Control Panel)- to be kept in A/C environment.

Type	Basic - Core Controller, including HMI 7" and sensors
Box	MS fabricated, Painted
VFD Panel	
Controller type:	Basic - PLC (B&R), - VFD ABB ACS 880 Series for main and back drive - Standard remote I/O
Human Machine Interface	Power on and Emergency stop reset lamps
Design Norm	EN/IEC
Power Circuit	Main Drive VFD Back Drive VFD Power outlet to - HMI - PLC
Installation	Electrical enclosure, ETA - Stainless steel, SS304 - IP54
Dimensions (WxHxD)	1000x1400x400 (Wall mount)
Ambient conditions	5 - 40°C, non-condensing humidity Cooling via Fans
Power	380-415V 50Hz
Safety Category	Cat 2. (EN 13849-1)
Decanter and Panel installation	Shielded Instrument multicore cable recommended (not included) - 30 meters, Max Motor cables recommended (not included) - 150 meters - Max 250 meters

Customer to provide

7. Civil Foundation for Decanter Installation
8. Feed tank with agitator to maintain feed uniformly throughout the operation
9. Product feed flow control and monitoring arrangement
10. Hot water at 95 deg C for flushing
11. Centrate Liquid and Solids Cake collection
12. Please see “ **EXCLUSIONS FROM ALFA LAVAL’S SCOPE OF SUPPLY**”