



Alfa Laval Decanter Centrifuge

Specification for Alfa Laval PONX944-31G Decanter

Date of issue: 2020-12-03

Machine Number: 5022618

Decanter type designation: 944

Bowl Assembly

Operating Centrifugal Force:	2703 G
Bowl diameter:	575 mm
Beach angle:	10°
Solids discharge type:	360°-type with 8 wear liners
Material - hubs:	AL 111 2329-83 (Duplex stainless steel)
Material - bowl shell:	AL 111 2329-83 (Duplex stainless steel)
Material – gaskets and seals:	
Liquid outlet, type:	4 Plate dams

Conveyor Assembly

Material - flights:	AL 111 2349 (AISI 316)
Material - hub:	AL 111 2349 (AISI 316)

Wear Protection

Bowl solids discharge:	Wear liner in tungsten carbide.
Conveyor flights:	None
Conveyor feed zone:	None
Casing liner:	Wear liner in upper casing

Frame and Casing

Material – casing / cover:	Stainless steel (AISI 316)
Material frame:	Mild steel

Drive Assembly

Gearbox, torque rating:	12.0 kNm 3 Stage Planetary
Gearbox, ratio:	172:1 (3 Stage)
Back Drive Motor 480 Volts / 60Hz:	30 HP Variable Speed Max 2550 RPMs / 15 Differential
Main Drive motor 480 Volts / 60Hz:	150 HP Variable Speed Max Speed 2800

Installation Drawings

Dimension drawing:	61239476
Diagram, decanter junction box:	61211214