

Vertical Bottom Discharge Centrifuge Type SCVB for Pharmaceutical industry

Centrifuge – Type SCVB – is manufactured according to cGMP specification appropriate for the requirements of the pharmaceutical processing industry. They are flexible in design to meet the unique plethora of design processing needs thrown up by the pharmaceutical manufacturers. Agitators, solids discharger mechanism, cake detector, lid opening, armatures etc are all performed electro pneumatically.

Material of construction:

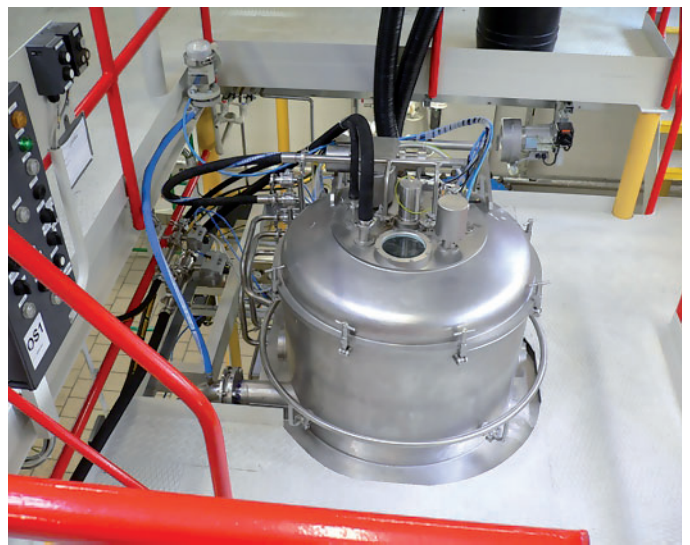
- Stainless Steel 316L
- Special alloy 2.4602 (Hastelloy C-22)
- Lining of Teflon layers (E-CTFE)

Surface Finish:

- Ground to Ra <0,8 μ
- Polished Ra <0,2 μ

Centrifuge cleaning:

- CIP or SIP via spray balls or nozzles
- Flood washing with cleaning liquid

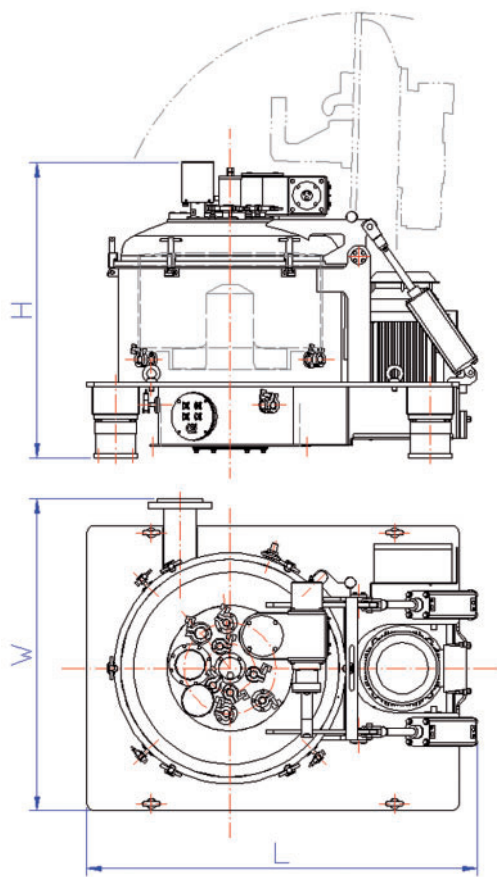


Various design options and auxillary equipment;

- Electric variable speed main drive motor
- PLC, regenerative inverter drives and control systems
- Optional grease or oil lubrication of bearings and sealing with cooling unit
- Inert Gas Blanketing (IGB) & Oxygen Analysis
- Feed suspension – flow measurement, valves and hoses
- Wash liquor(s) – flow measurement, valves and hoses
- Solids discharge through base of machine
- Filtrate liquor(s) – gravity run off
- Residual Heel Removal device
- HMI operator local control panel
- Sub-frame for centrifuge



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Centrifuge type		SCVB 630/320	SCVB 800/400	SCVB 1000/500	SCVB 1250/800
Basket Diameter	mm	630	800	1000	1250
Basket Height	mm	320	400	500	800
Opening Diameter of Basket	mm	440	560	700	875
Filtration Area	m ²	0.633	1.005	1.571	3.142
Basket Volume	m ³	0.051	0.103	0.200	0.501
Max. Basket Load	kg	64	128	250	626
Max. Basket Speed	rpm	1900	1500	1200	950
Centrifugal Force	xg	1271	1006	805	631
Max. Out of Balance	kg / rpm	1.5 / 1250	3.0 / 1000	5.0 / 800	8.0 / 700
Drive Power	kW	7.5	11	22	22 - 37
External Dimensions H x W x L	m	1.050 x 1100 x 1350	1350 x 1300 x 1650	1500 x 1600 x 2100	2800 x 1750 x 2650
Weight of empty centrifuge	kg	700 - 750	1250 - 1350	2200 - 2300	5400