

# Vertical Top Discharge Centrifuge Type SCVT for Pharmaceutical industry

SCVT type Pharma Centrifuges are manufactured to current cGMP specification. Bespoke designs and manufactured to meet both the process and clients specific separation isolation needs. Key components and auxiliaries including the main machine drive, product feed delivery, cake depth monitoring, final solids discharge, lid opening etc are via electro pneumatic control systems.

Materials of constructions;

- Stainless Steel 316L
- Hastelloy C-22
- Teflon, Halar coatings

Surface Finish;

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

Final solids discharge options;

- Manual discharge
- Loose basket lid & filter bag
- pneumatic discharge
- vacuum discharge to product tank

Centrifuge cleaning;

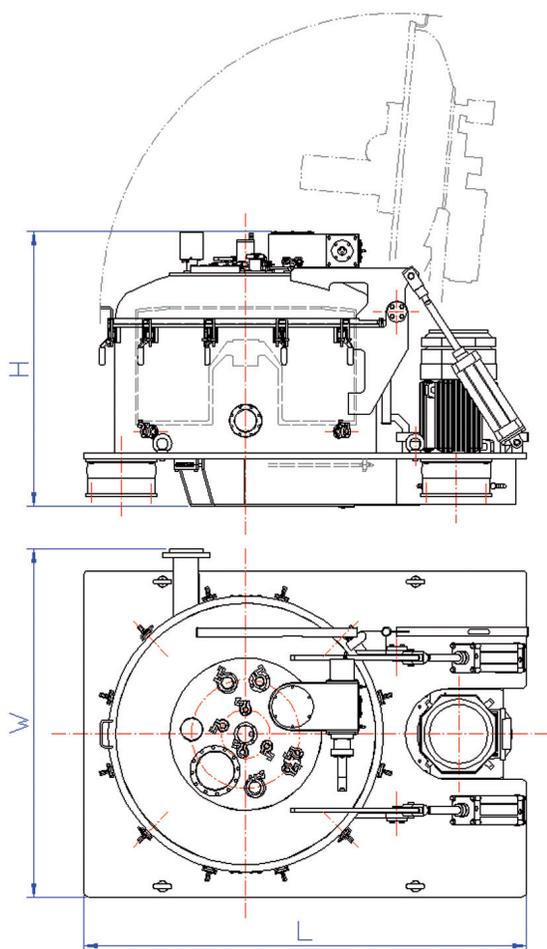
- CIP/SIP spray balls for cascade cleaning
- Flood washing with cleaning liquid

Various design options and axillary equipment:

- Main electric variable speed drive motor
- PLC, regenerative inverter drives and control systems
- Inert Gas Blanketing (IGB)
- Feed suspension - flow measurement, valves and hoses
- Wash liquor(s) - flow measurement, valves and hoses
- Solids discharge - exhaust pipe, valves, vacuum tank etc
- Filtrate liquor(s) - siphone, cyclone, tank with pump, valves,etc
- Residual heel removal device (air or nitrogen lance)
- HMI operator local control panel
- Sub-frame for centrifuge



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Centrifuge type		SCVT 630/320	SCVT 800/400	SCVT 1000/500
Basket Diameter	mm	630	800	1000
Basket Height	mm	320	400	500
Opening Diameter of Basket	mm	440	560	700
Filtration Area	m <sup>2</sup>	0.633	1.005	1.571
Basket volume	m <sup>3</sup>	0.051	0.103	0.200
Max. load of Basket	kg	64	128	250
Max. Basket Speed	rpm	1900	1500	1200
Centrifugal Force	x G	1271	1006	805
Max. Out of Balance	kg / rpm	1.5 / 1250	3.0 / 1000	5.0 / 800
Drive Power	kW	7.5	11	22
External Dimensions H x W x L	m	850 x 1100 x 1350	1050 x 1300 x 1650	1250 x 1600 x 2100
Weight of empty centrifuge	kg	650	1000	2000