

Vertical Process Dryer Type:

EKATO SOLIDMIX VPT

The general features are as follows:

- The patented EKATO ISOPAS impeller ensures an intense and thorough mixing action
- For free-flowing to pasty products
- Cantilevered shaft without product contact at bearings
- Internal baffle deflects flow to process pasty as well as free-flowing materials
- Standardized agitator drives ensure reliable operation
- Low maintenance costs
- Close clearances between agitator and vessel wall to prevent product build-up and increase heat transfer
- Appropriate shaft seal system for every application (not product-wetted)
- GMP-compliant design, high quality surface finishes, no dead spaces
- CIP concepts and validated cleaning procedures
- Product fines are separated from the exhaust vapours in the dedustable vacuum dust filter
- Chopper option to prevent the formation of lumps (optional)
- EKATO offers complete drying systems with heating unit, solvent recovery and control system
- Virtually complete emptying by means of conical bottom



Function:

- Vacuum contact drying
- Low shear mixing action, upward along the vessel wall and downward along the agitator shaft
- Intense heat transfer by forced product circulation
- High degree of homogeneity achieved
- Acceleration of drying by means of vacuum (lowering of boiling point)

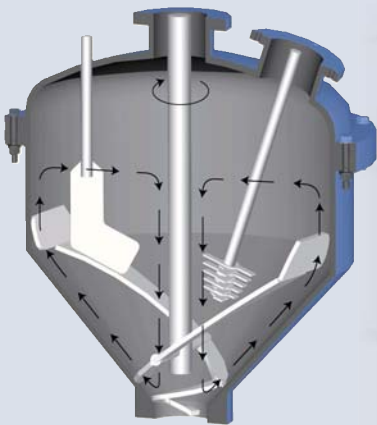
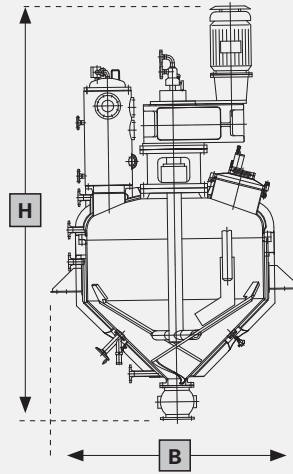
Application:

- Drying of free-flowing to pasty products such as fine chemicals, pigments or active pharmaceutical ingredients (API)
- Mixing and drying of products with problematic flow properties or a pronounced transition phase
- Mixing liquids into solids

EKATO SYSTEMS

EKATO SYSTEMS GmbH
 Käppelemattweg 2
 79650 Schopfheim
 Germany
 Tel. +49 (0) 7622 29-400
 Fax +49 (0) 7622 29-600
 E-mail: systems@ekato.com

www.ekato.com



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TYPE	EFF. VOLUME (l)	HEIGHT H (mm)	WIDTH B (mm)	WEIGHT (kg)
VPT 50	50	2000	1000	800
VPT 100	100	2100	1100	1000
VPT 250	250	2300	1500	1500
VPT 400	400	2500	1800	2000
VPT 630	630	3100	2000	3000
VPT 1000	1000	3300	2200	4000
VPT 1600	2500	3600	2400	5000
VPT 2500	3800	3800	2700	6000
VPT 4000	4000	4500	3100	7000
VPT 5000	5000	5000	3400	9000

Dimensions are approximate