

PUSHER CENTRIFUGES

SEPTECHNIK
Centrifuge Technology

PUSHER CENTRIFUGES

CHEMICAL PUSHER CENTRIFUGE



Advantages

- Continuous separation
- Low energy consumption
- Low residual moisture
- Unmatched capacity
- Low maintenance cost
- High washing efficiency
- Minimum floor space
- Less particle breakage
- Consistent product quality

Application Spectrum

- Bulk chemicals
- Fine chemicals
- Pharmaceuticals
- Fertilizers
- Salt industries
- Mining and Minerals
- Fiber industries
- Food industries
- Nuclear power
- Textiles and papers
- Pesticides industries

Best suitable for

1. Crystalline products with an average particle size in the range of 0.10 mm to 10 mm and fibrous materials up to 20mm fibre length.
2. Solid concentration of the slurry to be separated will be normally in range between 30% to 75% w/w for all crystalline products and 3% to 12% w/w for fibrous materials.
3. We can able to separate some finer crystals having size as small as 0.08 mm to 0.1 mm with use of 50 micron screen and with specially designed pre thickener at input of centrifuge.
4. Very fine and little sticky products also get separation with multistage basket Centrifuges.

Material of Construction

- For wetted parts - SS 304/ SS 304L/ SS 316/ SS 316L. Special alloys i.e. Hastelloy, SS 904 on request.

Pusher Centrifuge available for

- Laboratory purpose - 150 mm Dia.
- Pilot plant purpose - 200 mm Dia.
- Large production purpose - 250 mm & above.

PHARMA PUSHER CENTRIFUGE



SPECIAL PUSHER CENTRIFUGE



Used successfully for

ABS Polymerisate
 Activated Carbon
 Adipic Acid
 Ammonium Bicarbonate
 Ammonium Bisulfate
 Ammonium Bromide
 Ammonium Chloride
 Ammonium Hydrogen Carbonate
 Ammonium Molybdate
 Ammonium Nitrate
 Ammonium Perborate
 Ammonium Sulphate
 Ammonium Sulphate Caprolactam
 Animal Bone
 Ascorbic Acid (Vitamin-C)
 Barium Carbonate
 Barium Chloride
 Bead Polymers
 Borex (raw)
 Boric Acid
 Calcium Nitrate
 Calcium Phosphate
 Calcium Propionate
 Calcium Sulfate
 Calcium Tartrate
 Caustic Soda
 Cellulose Acetate
 Chloride Hydrate
 Chlorinated Rubber
 Chromic Acid
 Copper Sulphate
 Cyano Guanidine
 D.C.D.P. Sulfone
 Dextrose
 Dicalcium Phosphate
 Dicyanidinamide
 Dispersion Rubber
 E. D. T. A.
 Endo Sulfan
 Ferrous Sulphate
 Fibrous Materials
 Foodstuffs Application
 Fructose
 Furmaric Acid
 Glauber Salt
 Glutamic Acid
 Glycine
 Granulate
 Hexamine
 HT-Polypropylene
 HX Sulfate
 Iron Sulphate
 Lactose
 Lead Nitrate
 Linters
 Lithium Compounds
 Lithium Hydroxide
 Magnesium Sulfate
 Manganese Sulfate
 M.C.A.
 Melamine
 Met Formine HCL (Pharma)
 Metal Salt
 Methacrylamide
 Metronidazole (Pharma)
 Milk Sugar
 Nickel Sulphate
 Nitro Cellulose
 NPK Fertilizer
 Nylon Chips
 Nylon Salt
 Oxalic Acid
 Para Amino Phenol
 Paracetamol
 Paracresol
 Paraxylene
 Penta Technical
 Pentaeritritol
 Pentaerythritol
 Perchlorate
 Pesticides
 Phosphate Crude / Raw
 Polyacrylate
 Polyethylene
 Polypropylene
 Polyvinyl Chloride
 Potassium Biforminate
 Potassium Carbonate
 Potassium Chlorate
 Potassium Citrate
 Potassium Chloride
 Potassium Cyanides
 Potassium Nitrate
 Potassium Sulphate
 Rape Coarse Grain
 Rock Salt
 Salicylic Acid
 Sea Salt
 Seed Grains
 Silicon Flouride
 Silver Nitrate
 Sludge Poliol - Recyclate
 Soda Products
 Sodium Acetate
 Sodium Bi-Carbonate
 Sodium Bi-Sulfite
 Sodium Bromide
 Sodium Carbonate
 Sodium Chlorate
 Sodium Chloride
 Sodium Citrate
 Sodium Cyanides
 Sodium Dichromate
 Sodium Formate
 Sodium Hydrogen Carbonate
 Sodium Hypophoshite
 Sodium Metabisulfite
 Sodium Meta Silicate
 Sodium Nitrate
 Sodium Nitrite
 Sodium Perborate
 Sodium Percarbonate
 Sodium Phosphate
 Sodium Phosphinate
 Sodium Sulfate Anhydride
 Sodium Sulfate Dehydrate
 Sodium Sulfite
 Sodium Sulphate
 Sorbic Acid
 Soya Coarse Grain
 Strontium Chloride
 Sulfamic Acid
 Sulfates - Ferrous
 Sulphanethaxozole
 Sylvinite
 Synthetic Resin
 Tartaric Acid
 Terephtalic Acid
 Tincal
 Tin Sulphate
 Tobias Acid
 Urea
 Urea Phosphate
 Zinc Acetate
 Zinc Sulfate
 Zinc Sulfate Heptahydrate
 Zinc Sulfate Monohydrate
 2-4D Acid

LABORATORY PUSHER CENTRIFUGE



MULTI STAGE PUSHER CENTRIFUGE



MECHANICAL PUSHER CENTRIFUGE

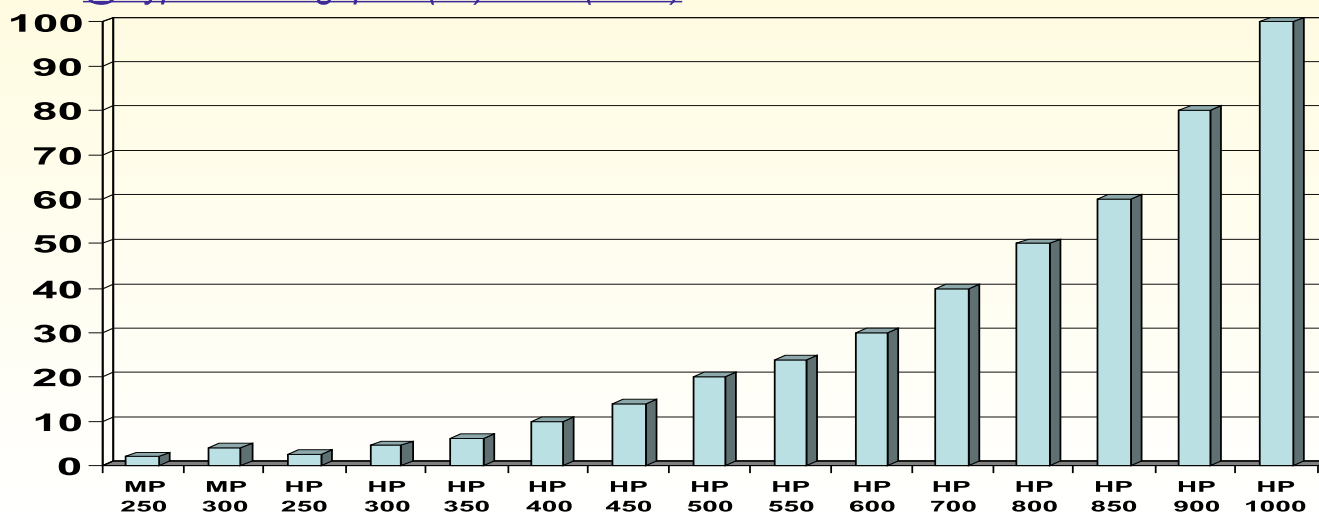


Model		MP 150	MP 200	MP 250	HP 200	HP 250	HP 300	HP 350	HP 400
Basket dia.	mm	150	200	250	200	250	300	350	400
Slurry feed	via	Pipe	Pipe	Pipe	Pipe	Pipe	Pipe	Pipe	Pipe/screw
No. of stages	---	1 / 2	1 / 2	1 / 2	1 / 2	1 / 2	1 / 2	1 / 2	1/2/3
Max. speed	rpm	3200	3000	2700	3200	3000	2800	2500	2200
No. of stroke	spm	30-60	40-80	40-80	50-120	50-120	50-120	50-120	50-120
Max. G-force	xg	850	1000	1000	1140	1250	1300	1215	1075
Main motor	Hp rpm	3 2880	5 2880	7.5 2880	5 2880	7.5 2880	10 2880	10 2880	15 1440
Pump motor	Hp rpm	2 1440	5 1440	5 1440	5 2880	5 2880	7.5 2880	7.5 2880	7.5 2880
Dimension (L) (W) (H)	Mtr.	1.1 0.55 0.53	1.5 1.1 1.0	1.6 1.15 1.0	1.9 1.0 1.1	2.0 1.1 1.1	2.1 1.1 1.15	2.2 1.1 1.2	2.2 2.2 1.25
Weight @	Kgs.	430	700	900	900	1200	1400	1600	1800
NaCl cap. @	Ton/hr.	0.2	0.5	1.0	0.6	1.2	2.4	3.5	5.0

Model		HP 450	HP 500	HP 550	HP 600	HP 700	HP 800	HP 850	HP 900
Basket dia.	mm	450	500	550	600	700	800	850	900
Slurry feed	via	Pipe/screw	Pipe/screw	Pipe/screw	Pipe/screw	Pipe/screw	Pipe/screw	Pipe/screw	Pipe/screw
No. of stages	---	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3
Max. speed	rpm	2000	1800	1600	1500	1300	1100	1000	950
No. of stroke	spm	50-110	50-110	50-110	50-110	50-100	50-90	50-90	50-90
Max. G-force	xg	1000	900	780	750	660	540	475	450
Main motor	Hp rpm	20 1440	20 1440	25 1440	30 1440	40 1440	50 1440	50 1440	60 1440
Pump motor	Hp rpm	10 2880	10 2880	15 2880	20 2880	25 2880	30 2880	40 2880	40 2880
Dimension (L) (W) (H)	Mtr.	2.4 1.2 1.2	2.5 1.25 1.3	2.6 1.35 1.4	2.6 1.35 1.5	3.1 1.5 1.6	3.2 1.6 1.75	3.2 1.6 1.8	3.3 1.7 1.95
Weight @	Kgs.	2100	2300	2500	2800	4600	5500	5800	6500
NaCl cap. @	Ton/hr.	7.5	10.0	12.5	15.0	18-20	22-25	28-30	32-35

INDIA'S LARGEST RANGE IN PUSHER CENTRIFUGES

@ Typical throughputs (t/h) - Salt (NaCl)



➤ We can test your products at our works & if required we will provide our trial centrifuge at your plant also.

Valued Customers



Key Person



Jitendra Patel



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