

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
- Consistence 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

PHARMA PUSHER CENTRIFUGE



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.

SPECIAL PUSHER CENTRIFUGE



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.

Used successfully for

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

LABORATORY PUSHER CENTRIFUGE



MULTI STAGE PUSHER CENTRIFUGE



MECHANICAL PUSHER CENTRIFUGE

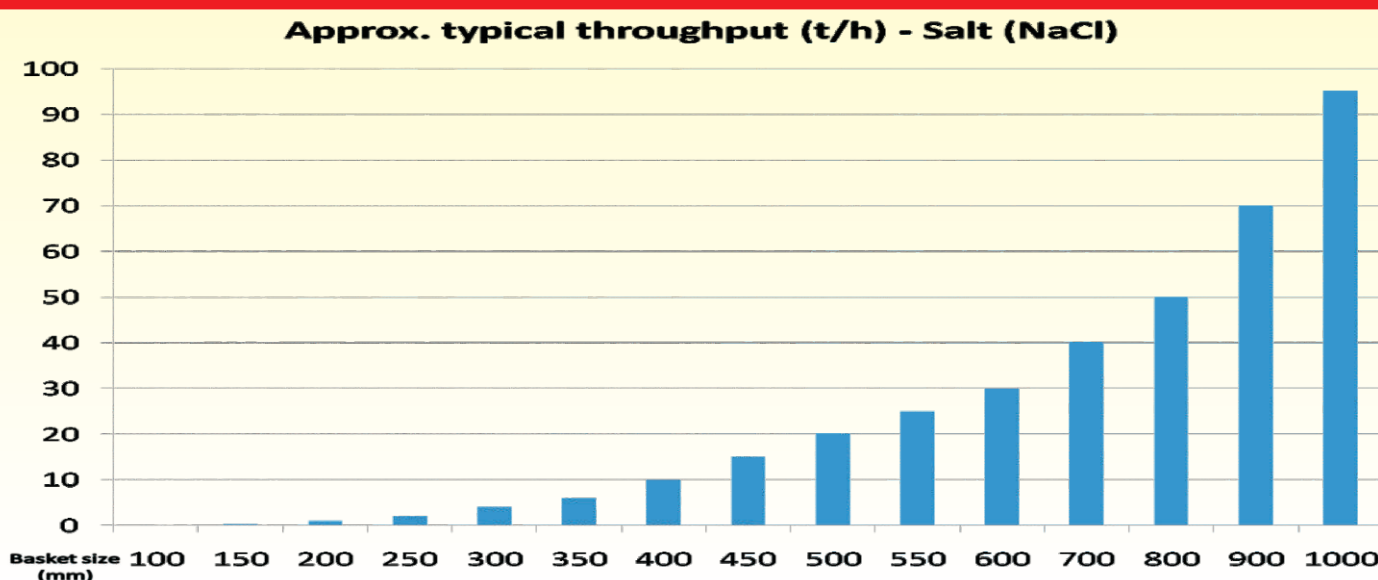


Mfg. of Mechanical and Hydraulic Pusher Centrifuges

Model		MP 100	MP 150	MP 200	HP 200	HP 250	HP 300	HP 350	HP 400
Basket dia.	mm	100	150	200	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	3500	3200	3000	3200	3000	2800	2500	2200
No. of stroke	spm	20-40	30-60	40-80	50-120	50-120	50-120	50-120	50-120
Max. G-force	xg	680	850	1000	1140	1250	1300	1215	1075
Main motor	Hp rpm	1 2880	3 2880	5 2880	5 2880	7.5 2880	10 2880	10 2880	15 1440
Pump motor	Hp rpm	0.5 1440	1.5 1440	5 1440	5 2880	5 2880	7.5 2880	7.5 2880	7.5 2880
Dimension (L) (W) (H)	Mtr.	0.7 0.45 0.37	1.1 0.55 0.53	1.5 1.1 1.0	1.9 1.0 1.1	2.0 1.1 1.1	2.1 1.1 1.5	2.2 1.1 1.2	2.2 1.2 1.25
Weight @	Kgs.	150	280	700	845	885	1400	1600	1800
NaCl cap. @	Ton/hr.	0.05	0.2	0.5	0.6	1.2	2.4	3.5	5.0

Model		HP 450	HP 500	HP 550	HP 600	HP 700	HP 800	HP 900	HP 1000
Basket dia.	mm	450	500	550	600	700	800	800	1000
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	1200	1050	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	640	550	500
Main motor	Hp rpm	20 1440	25 1440	30 1440	40 1440	50 1440	60 1440	75 1440	100 1440
Pump motor	Hp rpm	10 2880	10 2880	15 2880	20 2880	25 2880	30 2880	40 2880	50 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	3.3 1.7 1.95	4.0 2.1 2.0
Weight @	Kgs.	2100	2300	2500	3200	4600	5800	6500	9000
NaCl cap. @	Ton/hr.	7.5	10.0	12.5	15.0	18-20	22-25	32-35	42-45

INDIA'S LARGEST RANGE IN PUSHER CENTRIFUGES



➤ 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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