

PHARMA PUSHER CENTRIFUGES



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

FUNCTION

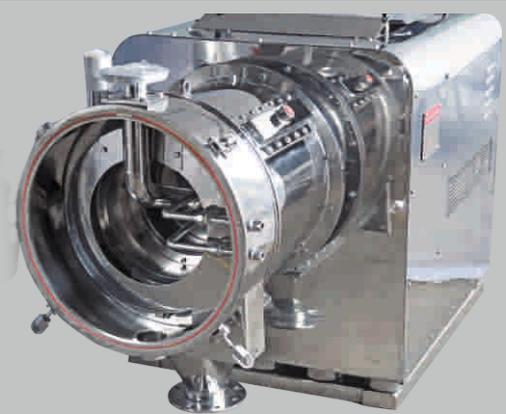
The pusher centrifuge is basically continuous unit for solid-liquid separation. The solids are retained as a cake on the wedge wire screen and transported by an oscillating inner basket/pusher plate which moves axially in the direction of solids discharge. The pushing frequency is adjustable to favour the washing efficiency and lower discharge moisture.

The size of the separated solid particles is preferably greater than 80 micron. The thick, filter cake ensures a good yield of even very fine solids. Our Pusher centrifuges are designed with one, two or three stages based on the application and filtration rate.



Selection based on

- Type of product
- Particle size
- % of solids concentration
- Product washing
- Nature of product
- Required capacity



TECHNICAL DATA

Nominal diameter	200	250	300	350	400	450	500
No. of stages	1 / 2	1 / 2	1 / 2	1 / 2	1 / 2	1 / 2	1 / 2 / 3
Slurry feed via	pipe	pipe	pipe	pipe	pipe / screw	pipe / screw	pipe / screw
Pusher stroke / min.	50 - 120	50 - 120	50 - 120	50 - 120	50 - 110	50 - 110	50 - 100
Max. speed - rpm	3200	3000	2800	2500	2200	2000	1800
Max. G-force	1140	1250	1300	1215	1075	1000	900
Main motor - HP	5	7.5	10	12.5	15	20	20
Pusher motor - HP	3	5	5	7.5	7.5	10	10
Length – approx. mm	1900	2000	2100	2200	2200	2400	2500
Width – approx. mm	1000	1100	1100	1100	1200	1200	1250
Height – approx. mm	1100	1100	1150	1200	1250	1250	1300
Weight – approx. kg	900	1200	1400	1600	1800	2100	2300
@ Output – NaCl, kg/hr.	500 - 600	800 - 1000	1800 - 2000	3000 - 3500	4500 - 5000	7000 - 7500	9000 - 10000

Models beyond 500 mm and up to 900 mm are also available on request.

Output of other products depend upon slurry concentration, sp. Gravity, particle size and other properties

We reserve the right to make any changes required by technical advances and as per our experiences.

INDIA'S LARGEST RANGE IN PUSHER CENTRIFUGES

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Mfg. of Mechanical and Hydraulic Pusher Centrifuges