

PREMIUM

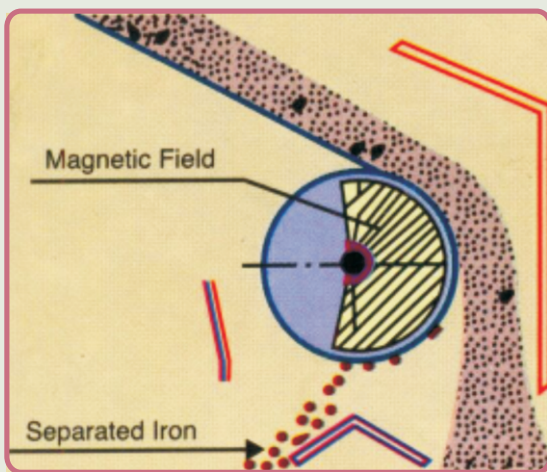
PERMANENT MAGNETIC DRUM SEPARATOR

Permanent Drum Type Magnetic Separator is most useful non electric separator for separating tramp iron from non magnetic material processed in bulk quantity for the purity of end products , recovery of metal having commercial value and protection of processing plant and machinery. These are widely used in all the processing industry for separation of iron contamination from minerals , chemicals , food flour, plastics, grains, sand, cement, fertilizers, abrasives, glass , slag , ores , rock , refractories and many other products.



WORKING PRINCIPLE & MAGNETIC SYSTEM

The Permanent Magnetic Drum consist of stationary Permanent Magnetic assembly having uniform and everlasting Magnetic field across the entire width of the drum, which is effective over approximately half the drum circumference as shown in fig.1



Drum shell made of non magnetic stainless steel revolves around the magnetic field. As the material fed evenly from the chute falls over the drum, powerful magnetic field attracts and holds ferrous particles through the revolving shell. As the revolving shell carries the iron particles through the stationery magnetic field the non magnetic material falls freely from the shell while ferrous particles are firmly held until carried beyond divider and out of magnetic field.

The strength of the permanent magnetic drum is guaranteed to be greater than corresponding electromagnetic Drum. The Permanent magnets used are everlasting magnets and its strength does not diminish during normal use and can be used through out the life of the installation.

TECHNICAL SPECIFICATIONS

MODEL	CAPACITY FOR GRAIN	DIA OF DRUM	LENGTH OF DRUM	MOTOR H.P.
PPMDS - 2	2 MT / HR.	400 MM	600 MM	1 HP + 0.5 HP
PPMDS - 4	4 MT / HR.	400 MM	750 MM	2 HP + 0.5 HP
PPMDS - 8	8 MT / HR.	500 MM	1000 MM	3 HP + 0.5 HP
PPMDS - 12	12 MT / HR.	600 MM	1250 MM	5 HP + 0.5 HP
PPMDS - 16	16 MT / HR.	600 MM	1500 MM	5 HP + 0.5 HP
PPMDS - 25	25 MT / HR.	600 MM	2500 MM	5 HP + 0.5 HP

Specification & designs are subject to change without notice for any additional improvement.

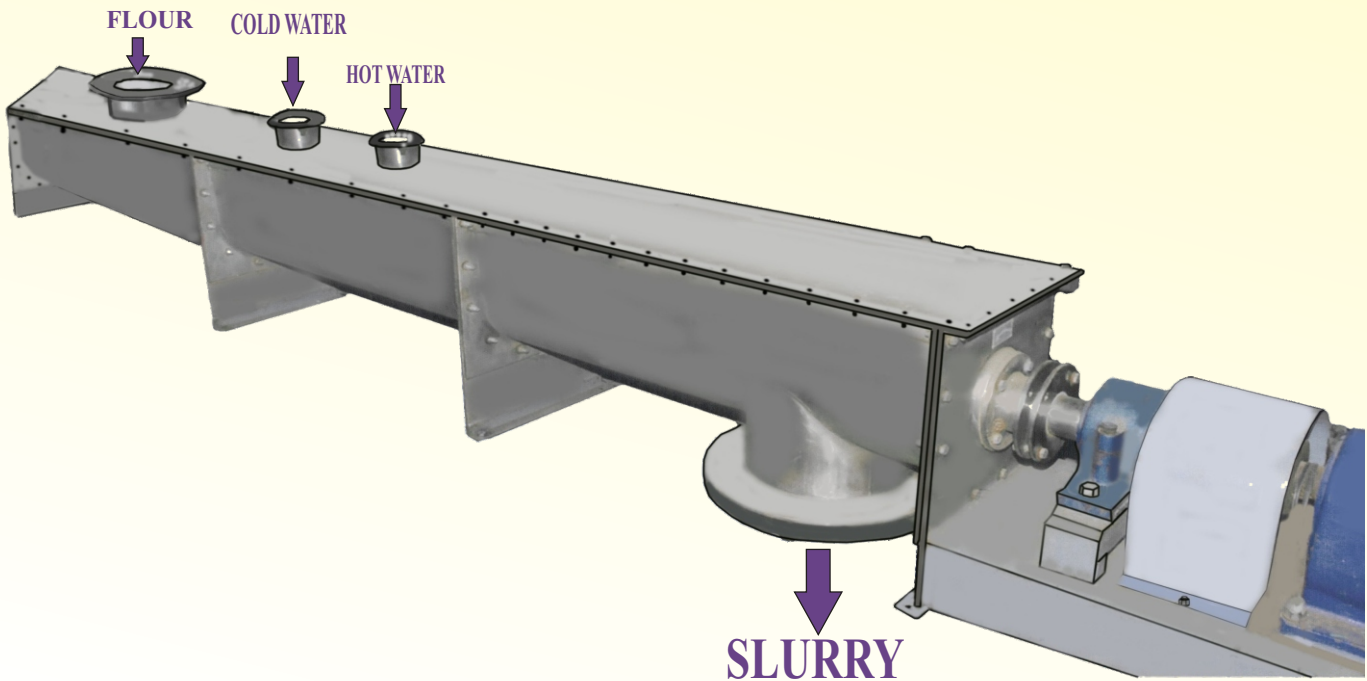
PREMIUM FLOUR SLURRY CONVEYOR (PRE-MASHER)

HO-3004-08

PREMIUM SLURRY CONVEYOR - also known as **PRE-MASHER**, is in stainless steel construction. This equipment is having **SCREW and PADDLES** for **MIXING and CONVEYING SLURRY (FLOUR AND WATER)** to **LIQUIFICATION TANK**. **PRE_MASHER** is installed below **SURGE BIN** of **FLOUR** is **FED** with **UNIFORM and REGULATED RATE**. The **WATER** is supplied into **CONVEYOR**. Because of **PADDLES/SCREW** rotating at **LOW SPEED** through **MIXING** takes place and thus **SLURRY** is produced and conveyed to **LIQUIFICATION** through **PRE - MASHER**. The **CAPACITY** of **SLURRY CONVEYOR** depends upon **DIAMETER**. Usually **FLOUR / WATER** ratio is between **2.5 to 4**. The **INLETS** for **FLOUR** depends upon **No. Of FLOUR SURGE BINS**. Length of **CONVEYOR** depends upon the **LAYOUT / distance** of **Inlet LIQUIFICATION TANK**. **PREMIUM SLURRY CONVEYORS** are available in **SIX** different sizes conveying **3500 to 50,000 LTRS/Hr.**

Salient features:

- * Continues Duty.
- * Quick opening provision or Bolted.
- * Shaft seal gland Packing.
- * Provision for water addition.
- * Low RPM Design.
- * Ac Frequency Variable drive. (OPTIONAL)
- * M.O.C : SS - 304.



TECHNICAL SPECIFICATIONS

MODEL	FLOUR MT/HR	WATER LITER/HR	TOTAL SLURRY/HR.	DIAMETER OF SCREW IN MM	H.P.	M.O.C.
PFSC - 6	1 MT	2500 to 4000 Ltr.	3500 to 5000 Ltr.	150 mm	2	SS - 304
PFSC - 8	2.5 MT	6250 to 10000 Ltr.	8750 to 12500 Ltr.	200 mm	2	SS - 304
PFSC - 8	4 MT	10000 to 16000 Ltr.	14000 to 20000 Ltr.	200 mm	3	SS - 304
PFSC - 10	6 MT	15000 to 24000 Ltr.	21000 to 30000 Ltr.	250 mm	3	SS - 304
PFSC - 12	8 MT	20000 to 32000 Ltr.	28000 to 40000 Ltr.	300 mm	3	SS - 304
PFSC - 12	10 MT	25000 to 40000 Ltr.	35000 to 50000 Ltr.	300 mm	5	SS - 304

Manufactured By:

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