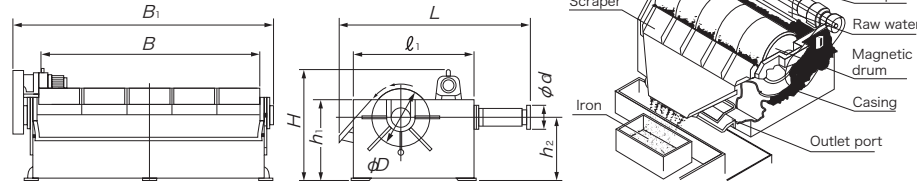


Model FMS SUPER MAGCLEAN



FMS-240



[Application]

Suitable for removing iron from waste water and cooling water for rolling in steel making plants. This model is also used to remove/collect iron from washing water from blast furnaces, sintering furnaces, dust collectors and other industrial waste water.

[Features]

- Large capacity ranging from 60 t/h to 360 t/h and a wide variety of models. Highly economical.
- A high rate of collection of iron from waste water for economical operations. A collection rate of 94.5% from waste water of 5 % concentration (mixture ratio) of rolled scales of 0.02 to 2 mm in grain size.
- Highly effective, simple design/mechanism, results in less trouble. Long lasting, unchangeable magnetic effect.
- Smooth inflow and outflow of raw water. As a secondary effect, part of oily substances is also removed.

[mm (in.)]

Model	Treating Capacity	Power Source	Motor Capacity	Drum Revolution	Dimensions							Mass		
					D	B	B ₁	L	l ₁	h ₂	d ₁		H	h ₁
FMS- 60	60t/h	3-phase 200/220 VAC (50/60Hz)	0.4 kW	4.1/4.8rpm (50/60Hz)	800 (31.5)	650 (25.5)	1130 (44.4)	2020 (79.5)	1700 (66.9)	900 (35.4)	280 (11.0)	1450 (57.1)	1150 (45.2)	2100kg/ 4630 lb
FMS- 120	120t/h		0.75kW	4.2/5.0rpm (50/60Hz)		1300 (51.2)	1780 (70.0)	2300 (90.5)			305 (12.0)	1530 (60.2)		3500kg/ 7716 lb
FMS- 180	180t/h		1.5 kW	4.3/5.2rpm (50/60Hz)		1950 (76.7)	2470 (97.2)	2600 (102.4)	330 (12.9)	1591 (62.6)	5300kg/ 11685 lb			
FMS- 240	240t/h		2.2 kW	3.9/4.7rpm (50/60Hz)	2600 (102.4)	3140 (123.6)	2800 (110.2)	1800 (70.9)	350 (13.7)	1591 (62.6)	7350kg/ 16204 lb			
FMS- 300	300t/h		3900 (153.5)	3820 (150.4)	2800 (110.2)	9450kg/ 20834 lb								
FMS- 360	360t/h		3900 (153.5)	4490 (176.8)	2900 (114.2)	11300kg/ 24912 lb								

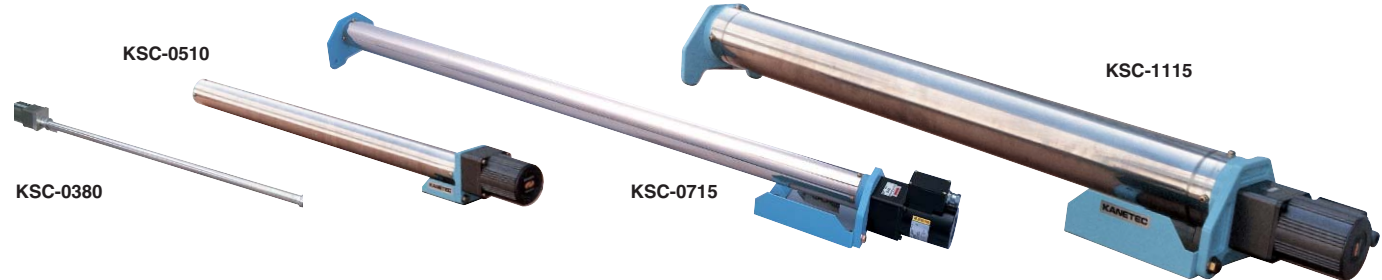
Examples of data

[mm (in.)]

Fluid to Treat	Iron Scale Grain Size (mm)	Super Magclean Model	Amount to Treat	Amount to Treat	Treating Water Concentration	Collection Rate
Rolling cooling water	0.04 —5	FMS-240 (4000L/min)	3000L/min	20000P.P.M.	909P.P.M.	95.5%
Continuous casting cooling water	0.04 —0.3	FMS-180 (3000L/min)	1500L/min	14800P.P.M.	784P.P.M.	94.7%
Sand filter washing water	0.005—0.04	FMS-120 (2000L/min)	200L/min	41600P.P.M.	1780P.P.M.	95.7%

※ The collection rate varies according to the concentration of raw water, grain size distribution and selection of models.

Model KSC SPIRAL MAGNETIC CONVEYOR



A guide for selection of models

Machine Tool	Drilling machine		Lathe		Milling machine		Gear cutting machine		Broaching machine	Special machine		Grinding machine
	Ribbon-shaped	Tangled	Flat and spiral	Skew and spiral	Long cylindrical and spiral	Short cylindrical and spiral	Horn shaped and spiral	Horn shaped	Curled	Crushed	Fine iron powder	
Shape of Chips												
Magnetic Chip Conveyor MCO · MCOL	○	○	○	○	○	○	○	○	○	○	○	
Spiral Magnetic Conveyor KSC · KSCT							○	○	○	○		
Magclean MS—F · MS—BR											○	
Chip Magclean CMS						○	○	○	○	○		

※ Applicable range: Chips longer than 60 mm cannot be handled regardless of their shapes.

MAGNETIC TOOLS FOR WELDING OPERATION
 LIFTING MAGNET
 MAGBORE
 CHIP & SLUDGE TRANSPORTERS
 ENVIRONMENTAL EQUIPMENT
 MAGNETIZERS AND DEMAGNETIZERS
 MAGNETIC EQUIPMENT FOR TRANSPORTATION
 SEPARATORS
 HIGH GRADE MAGNETIC SEPARATORS
 MEASURING TOOLS
 MEASURING INSTRUMENTS
 MAGNETIC MATERIALS