

MAGNETIC TOOLS, SLUDGE CONVEYANCE EQUIPMENT

Model HMC MAGHAND*

Collect bolts, screws and nails scattered around on the floor!

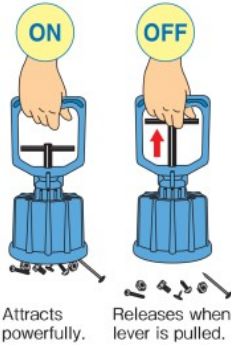


[Application]

The Maghand is suitable for collecting iron pieces that are scattered around on the floor or mixed in media. Since it can also be used to remove and collect iron pieces from powder materials, it has a wide range of applications including machining, forging and food processing. The Maghand is also useful in the household or as a teaching material.

[Features]

- The magnetic force can be turned on and off simply by one-hand operation.
- The Maghand employs a powerful magnet for powerful attraction and a wide attractive face.
- Model HMC-75A has a long arm to make it suitable for collecting iron pieces in pits and enclosures.
- Model HMC-T is cased with aluminum and therefore its strength and wear resistance have been improved from that of Model HMC-A. (High-temperature type up to 150°C)

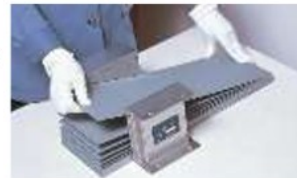
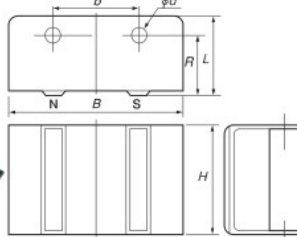


[Specifications]

- Capacity: M10 plain washers ... about 0.6 kg
- M4 × 10 screws about 0.7 kg

Model	Dimensions				Mass
	ϕD	H	h	W	
HMC-10A	114 (4.48)	227 (8.93)	85 (3.34)	104 (4.09)	0.9kg/1.98 lb
HMC-50A		500 (19.6)			1.5kg/3.30 lb
HMC-75A		750 (29.5)			1.9kg/4.20 lb
HMC-T10A	112 (4.40)	241 (9.48)	95 (3.74)	104 (4.09)	1.2kg/2.60 lb
HMC-T50A		514 (20.2)			1.8kg/3.96 lb
HMC-T75A		764 (30.0)			2.3kg/5.07 lb

Model KF STEEL PLATE SEPARATOR "FLOATER"*



[Application]

Suitable for separating stacked iron plates one by one and feeding them to machines (presses, shearing machines, etc.) and for installation as a separator at the take-out side for feeding steel plates one by one in the steel plate automatic feeding line.

[Features]

- Standard type using a high-performance ferrite magnet. Can be mounted on machines easily and several units can be coupled according to size, shape and weight of steel plates.
- The two rails on the magnetic polar surface automatically separate steel plates without requiring mechanical separating work.
- Not only steel plates but also semi-finished pressed workpieces, circular workpieces and irregularly shaped workpieces can be separated at certain intervals by use of several units of Floater.
- One set consists of two units.

A magnetic force ON/OFF type (electrical or air cylinder), which can separate steel plates one by one more smoothly than the standard type is also available. Please contact us.

Model	Dimensions				Mounting		Mass
	B	H	L	R	No. of holes	ϕd	
KF-5B	65 (2.55)	87 (3.42)	55.5 (21.8)	45.5 (1.79)	4	8 (0.31)	1.0kg/2.2 lb × 2
KF-10	125 (4.92)		61.5 (2.42)	51.5 (2.02)			2.0kg/4.4 lb × 2
KF-20	210 (8.26)	127 (5.00)	66.5 (2.61)	56.5 (2.22)			7.0kg/15 lb × 2
KF-30		254 (10.0)	71.5 (2.81)	59.5 (2.34)			12.0kg/26 lb × 2
KF-40					11 (0.43)		

Model MS-F·FH·FHP MAGCLEAN*

Magnetic coolant separator

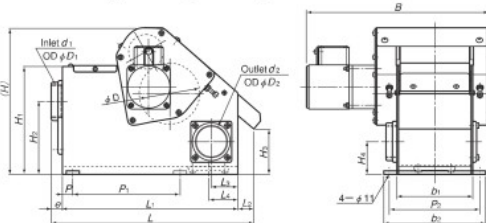
[Application]

This unit is incorporated in the grinding fluid purification and circulation system for grinders to remove iron powder, a major part of purification.

When this is used together with a tank in which particles other than iron powder such as abrasive grains are separated by floating and precipitation, repurified and regenerated grinding fluid can be supplied to grinders again.

[Features]

- The construction of a stationary magnet and a rotary outer drum shell has no magnet in the area of the rake plate to allow smooth discharge of sludge. (The life of the rake plate is also prolonged.)
- The magnetic drum rotation drive construction has been modified to improve durability significantly.
- The squeezing roller tensioning mechanism has been designed anew to improve the squeezing performance.
- The squeezing roller and inlet areas are covered to enhance safety as well as to prevent grinding fluid from splashing/scattering.
- The outlet can be located on the right, left or bottom to allow flexible change of the circulation system layout.
- The high magnetic force type (MS-FaH: drum surface max. flux density 0.3T (3000G))/super high magnetic force type (MS-FHP: 0.5T (5000G)) are most suitable for collection of weak magnetic and minute sludge.
- A type having a motor on the right side (MS-F-R) is also available.



Standard	Model			Processing Capacity	Power Source	Motor	Dimensions																			Mass						
	High mag. force	Super high mag. force					L	B	H	L ₁	L ₂	L ₃	L ₄	e	P	P ₁	P ₂	b ₁	b ₂	H ₁	H ₂	H ₃	H ₄	D	D ₁		d ₁	D ₂	d ₂			
MS-2FB	MS-2FaH	MS-2FHP	20L/min	3-phase 200 VAC/220 VAC, 50/60 Hz	25W	375 (14.7)	278 (10.9)						15 (0.59)			120 (4.72)	91 (3.58)	141 (5.55)									57 (2.24)	PS-1-1/2		15kg/33 lb		
MS-4FB	MS-4FaH	MS-4FHP	40L/min			380 (14.9)	328 (12.9)	271 (10.6)	330 (12.9)			50 (1.96)	55 (2.16)			200 (7.87)	170 (6.69)	141 (5.55)	191 (7.52)	200 (7.87)	135 (5.31)	84 (3.30)							70 (2.75)	PS-2	18kg/39 lb	
MS-6FB	MS-6FaH	MS-6FHP	60L/min												20 (0.78)		220 (8.66)	191 (7.52)	241 (9.48)											85 (3.34)	PS-2-1/2	21kg/46 lb
MS-8FB	MS-8FaH	MS-8FHP	80L/min			510 (20.0)	505 (19.8)	286 (11.2)	460 (18.1)	30 (1.18)		65 (2.55)	65 (2.55)			20 (0.78)	270 (10.6)	320 (12.6)	341 (13.4)	215 (8.46)	142 (5.59)	60 (2.36)							114 (4.48)		32kg/70 lb	
MS-12FB	MS-12FaH	MS-12FHP	120L/min			515 (20.3)	605 (23.8)					86 (3.38)	86 (3.38)				420 (16.5)	391 (15.3)	441 (17.3)	151 (5.94)									85 (3.34)	PS-2-1/2	38kg/83 lb	
MS-18FB	MS-18FaH	MS-18FHP	180L/min												25 (0.98)		470 (18.5)	441 (17.3)	491 (19.3)	250 (9.84)	165 (6.49)	95 (3.74)	77 (3.03)					102 (4.01)	PS-3	45kg/99 lb		
MS-24FB	MS-24FaH	MS-24FHP	240L/min	655 (25.7)	705 (27.7)	321 (12.6)	600 (23.6)			80 (3.14)	95 (3.74)				520 (20.4)	491 (19.3)	541 (21.3)											102 (4.01)	PS-4	50kg/110 lb		