CHIP & SLUDGE CONVEYANCE EQUIPMENT

[Application]

plate is also prolonged.)

squeezing performance

· Grinding fluid is oil based.

grinding fluid from splashing/scattering.

change of the circulation system layout.

of weak magnetic and minute sludge.

Precaution for use

at the end of this catalog and consult with us in advance.

· The squeezing roller forced drive type is used.

significantly.

Model MS-F·FH·FHP MAGCLEAN*

Magnetic coolant separator

FOR WELDING OPERATION

LIFTING

MAGBORE*

LUDGE ANCE EQL

EQUIPMENT

MAGNETIZER AND DEMAGNETIZER

MAGNETIC EQUIPMENT FOR CONVEYANCE

MAGNETIC

SEPARATORS POWERFUL MAGNETIC

FOOLS

INSTRUMENTS

available



Maintenance parts available



Drum surface max. flux density 0.5T!



· KANETEC WIS-D typ	be is to be upuated. • L	iquiu to us		i normai tei	nperature.		
*Please see the Facsi Application	mile Communication For s of Magclear		ction Data	a) on page 1	173 also.		
Machine Tools and Equipment	Iron Powder (Sludge) and Chips	Magclean	Chip Magclean	Paper Filter after Treatment by Magclean	Magclean af Separation a Collection b Chip Convey		
Precision grinding machine Honing machine	Sludge Fine iron powder		×	*1	-		
Cylindrical grinding machine Centerless grinding machine	Flocculent fine iron powder	*3 ()		^{∦1} ○	-		
Surface grinding machine Rotary grinding machine	Fine iron powder	0	\bigtriangleup	*1 0	-		
Machining center	Crushed chips End milling	×	0	×	*2		
Milling machine Lathe	Spiral helical shape 60 mm or less	×	×	×	*2		

· Liquid other than grinding fluid is used (such as fresh water and chemical liquid).

• KANETEC MS-D type is to be undated • Liquid to use is not at normal temperature

This unit is incorporated in the grinding fluid purification and circulation system for grinders

the area of the rake plate to allow smooth discharge of sludge. (The life of the rake

The squeezing roller tensioning mechanism has been designed anew to improve the

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

This is dedicated to grinding fluid (water soluble) only. If you plan to use the Magclean under the following conditions or if you cannot decide a suitable model, please fill the Magclean inquiry sheet

A type having a motor on the right side (MS-F-R) is also available.

Poor outting machine	OU MILLION IESS					
Gear cutting machine Broaching machine Drilling machine	Cylindrical helical shape 60 mm or less	×	×	×	*2	0
Special machine	Tangled chips 60 mm or less	×	×	×	*2	0
Nashing machine	Fine iron powder about 100 μ m	0		*1	-	×
Hardening equipment	Fine iron particles of various shapes			*1	×	×

 C: Effectively functions and high collection rate.
A: Functions but collection rate and processing amount expected to drop.

20

270

400

320 291 341

420 391 441

470 441 491

> 491 541

Bi D S

W

н

X · Not suitable

*1: Nonmagnetic fine particles such as abrasives can be collected.*2: Two steps of chip collection and fine iron powder collection are possible.

267(105)

114



mag. force

MS- 2FBHP

MS- 4FBHF

MS- 6FBHP

MS- 8FBHP

MS-12FBHP

MS-18FBHP

MS-24FBHP

20L/min

40L/mir

60L/min

80L/mir

120L/min

180L/min

240L/min

Mode

High mag.

MS- 2FB MS- 2FBH

MS- 4FB MS- 4FBH

MS- 6FB MS- 6FBH

MS- 8FB MS- 8FBH

MS-12FB MS-12FBH

MS-18FB MS-18FBH

MS-24FB MS-24FBH

Standard



375 278

510 505

515

655

25W 380 378

40W

3-nhase 200 VAC 220 VAC

220 VAC, 50/60 Hz

271 330

286 460

321 600 30 65 65

86

80 95

86

25

328

605

655

705

MS-4F MS-6F <For MS-2/4/6F*> 4 Mode

%3: May not be collected by the standard type. Please contact us [mm(in)] Dimensions Model W Н MS-2F 193(7.59) 148(582(3.22)

165(649)

Dimensions

95(374)

[mm (in)

Н

32kg/

38kg/

45kg/

50kg/

85 PS-2 1/2

PS-3

PS-4

PS-2 1/2 102

85

102 PS-3 (Ref.) Chip

Conveyo

×

~

×

and

													L		V	V		H
										M	S-8F*		308 <mark>(1</mark> :	2.1)	170(6.69)		
						All	mode	els co	me	M	S-12F*		410 <mark>(1</mark>	6.1)			010	(8.26)
								idge		M	S-18F*		460 <mark>(1</mark>	8.1)	230 (9.05)	210	(0.20)
					_	C	u oit	lago		M	S-24F*	· .	510 <mark>(2</mark>	0.0				
				<f< td=""><td>or M</td><td>S-8/</td><td>12/1</td><td>8/24</td><td>ŀF*></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>[n</td><td>nm <mark>(in)</mark>]</td></f<>	or M	S-8/	12/1	8/24	ŀF*>								[n	nm <mark>(in)</mark>]
						Dimer	nsions											
.2	Lз	La	е	Р	P1	P2	bı	b2	H1	H2	Н₃	H₄	D	D1	d۱	D2	d2	Mass
			15 (0.59)			120 (4.72)	91 (3.58)	141 (5.55)						57 (2.24)	PS-1· 1/2			15kg/ 33 lb
	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)	60				70 (2.75)	PS-2	18kg/ 39 lb
			20 (0.78)			220 (8.66)	191 (7.52)	241 (9.48)				(2.36)		70 (2.75)	PS-2			21kg/ 46 lb

215

250 165 95 77

142

151

60

67

			4− φ1					
Super high	Processing Capacity	Power Source	Motor	L	В	Н	Lı	

115

Model

MS- 2FBH

MS- 4FBH

MS- 6EBH

MS- 8FBH

MS-12FBH

High mag. force Super high mag. force

Model MS MAGCLEAN* HEIGHT ADJUSTABLE LEGS/INFLOW BOX (Optional)



Model MS-BS **MAGCLEAN***



[Application]

Standard

MS- 2FB

MS- 4FB

MS- 6FB

MS- 8FB

MS-12FB

Suitable for removal of iron powder from grinding fluid. If you plan to use this model for washing purpose (fresh water and other liquids), please contact us.

MS- 2EBHP

MS- 4FBHP

MS- 6FBHP

MS- 8FBHP

MS-12FBHP

Model designation of MS-BS

When ordering MS-BS Series, be sure to specify the direction of the inlet and liquid outlet in the model designation as follows:

MS-24BS-B L

- **Direction of liquid outlet** L: Left when viewed from the sludge discharge
 - direction. (Liquid outlet 3) in the following figure)
 - R: Right when viewed from the sludge discharge direction. (Liquid outlet ④ in the following figure) Direction of the inlet

B: Backside (Inlet 1 in the following figure) R: Right when viewed from the sludge discharge direction. (Inlet 2) in the following figure)

											н																			[n	mm <mark>(in</mark>)				
Model	Inlet	Liquid Discharge Direction	Processing	Power	Motor												Dir	nensi	ons												Mass				
IVIOUEI	Direction	Direction	Capacity	Source	WOLDI	L	В	Н	Lı	L2	L3	L4	е	Р	P ₁	P_2	B ₁	b1	b2	b3	H_1	H_2	H ₃	H ₄	М	D	D1	d1	D ₂	d ₂	IVIdSS				
MS-24BS-BL	(1)	3										_	25																						
MS-24BS-BR		(4)	240L/		90W	670		534	620		90	_	(0.98)	25		572			615	80	386	268	189	77 (3.03)	17	214	102	PS-3	127	PS-4	115kg/				
MS-24BS-RL	2	3	min		900	(26.3)	(25.3)	(21.0)	(24.4)		(3.54)	70		(0.98)	(22.4)	(22.5)	(19.8)	(20.2)	(24.2)	(31.5)	(15.2)	(10.5)	(7.44)	(3.03)	(0.66)	(8.42)	(4.01)	P3-3	(5.00)	P3-4	253 lb				
MS-24BS-RR	C	(4)											(2.75)	_																					
MS-36BS-BL		3	360L/ 3-phase 200 VAC, 50/60	3-phase	3-phase	3-phase										_	35																		
MS-36BS-BR		(4)					839			50	105	_	(1.37)			730	630	668	790			345		100			127	PS-4	154	PS-5	292kg/				
MS-36BS-RL	2	3 min				(33.0)	J)		(1.96)	(41.3)	80 _			(2	(28.7) (24.8	(24.8)	24.8) (26.3) (3	(31.1)			(13.5)		(3.93)			(5.00)	10)	(6.06)	P3-5	643 lb					
MS-36BS-RR	C	(4)		Hz	100W	830		670	780			(3.15)	_	30	720					110	500		264		22	317									
MS-50BS-BL		3			1000	(32.6)		(26.3)	(30.7)				35	(1.18)	(28.4)					(4.33)	(19.6)		(10.4)		(0.86)	(12.4)									
MS-50BS-BR		(4)	500L/				1139				120	_	(1.37)			1030	930	968	1090			358		115			154	PS-5	182	PS-6	375kg/ 826 lb				
MS-50BS-RL	2	3	min				(44.8)				(3.54)	90				(40.5)	(36.6)	(38.1)	(42.9)			(14.0)		(4.52)			(6.06)	-3-3	(7.16)	-3-0	020 ID				
MS-50BS-RR		4										(3.54)	_																						

*The numbers in "Inlet Direction" and "Liquid outlet" correspond to No. ① to ④ in the figures above. Be sure to check the directions.

CHIP MAGCLEAN* Model **C**/



[Application]

This Chip Magclean is designed to remove/collect chips in coolant that is discharged from cutting operations by machine tools. [Features]

• The employment of a magnetic drum with special magnetic pole array ensures a high rate of collection.

- •The newly designed scrapper improves performance to separate and remove chips from the magnetic drum.
- The expanded discharge space helps stable discharge. The higher side wall helps prevent overflowing.
- The overall height has been reduced by 80 mm by changing the motor mounting position, enabling the Chip Magclean to be mounted in places where it could not be mounted. [mm(in)]

															[11111(111/]	
M	Model	Processing	Power	Motor	Dimensions											
IVIC		Capacity	Source		L	В	Е	l	Bı	B2	Bз	Р	D1	D2	Mass	
CM	IS-4A	40L/min	3-phase		505(19.8)	380 (14.9)	00 (0 70)	70(2.75)	234(9.21)	200 (7.87)	152 (<mark>5.98</mark>)	180(7.08)	PS-2	PS-2	22kg/ 48 lb	
CM	IS-8A	80L/min	200 VAC/ 220 VAC.	25W		430 (16.9)	20 (0.78)		284(11.1)	250 (9.84)	202(7.95)	230(9.05)	P5-2	PS-2·1/2	27kg/ 59 lb	
CMS	S-12A	120L/min	50/60 Hz		515(20.2)	580 (22.8)	25(0.98)	60(2.36)	434(17.0)	400 (15.7)	352 (13.8)	380(14.9)	PS-2·1/2	PS-3	41kg/ 90 lb	

116

MEASURING MEASURING INSTRUMENTS TOOLS

MAGNETIC

[mm(in)]

н

105(4.13)

115(4.52)

Dimensions

1

110(4.33

130(5.11)

150(590)

170(6.69)

190(7.48

h

155(6,10)

105

MAGNETIZER AND DEMAGNETIZER

MAGBORE*