

# Iron powder removing device for suction and conveying

## MAGNETIC SEPARATOR

# Magnetic Power II

< Double structure improves safety and convenience >

PAT.PEND (Magnetic separator for pellet powder)

- ◆ This machine is a device that collects, separates, and removes abrasion powder of metal (iron, micromagnetic material) mixed in crushed resin and resin pellets with a magnet.



Model : SFW-2015-150 TYPE

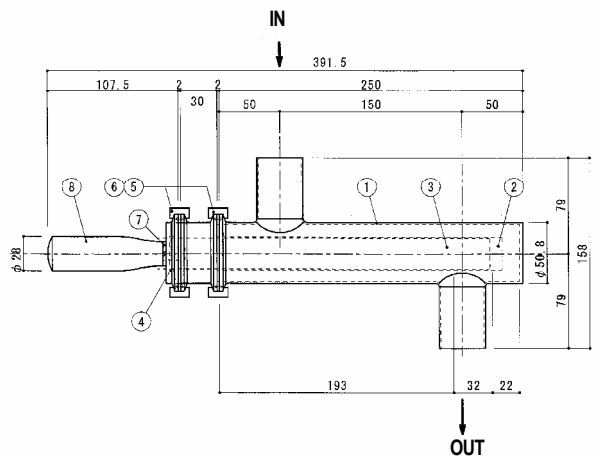


Model : SFW-2015-150 TYPE

## Specification

Model	SFW-2015-150 TYPE	SFW-2040A-150 型	
Pipe outer diameter for I/O port	φ 38.1mm	φ 48.6mm	
Substance materials	SUS304orSUS316L	SUS304orSUS316L	
Packing material	Silicone rubber	Silicone rubber	
Body case outer diameter	50.8mm	50.8mm	
FINISH	#320 Buffing	#320 Buffing	
Magnetic Rods	Exterior pipe : Size	φ 25*0.5mm	φ 25*0.5mm
	: Materials	SUS304orSUS316L	SUS304orSUS316L
	: Finish	#320 Buffing	#320 Buffing
	Material	Neodymium (rare earth)	Neodymium (rare earth)
	Residual magnetic flux density	12,300G~13,000G	12,300G~13,000G
	Surface maximum magnetic flux density	More than 10,000 Gauss	More than 10,000 Gauss
	UPPER LIMIT TEMPERATURE	MAX 150°C	MAX 150°C
protecting tube	The recommended temperature	UNDER 130°C	UNDER 130°C
	***	***	***
	Exterior pipe : Size	φ 26.6*0.5mm	φ 26.6*0.5mm
	: Materials	SUS304orSUS316L	SUS304orSUS316L
: Finish	#320 Buffing	#320 Buffing	
Surface maximum magnetic flux density	More than 8,500 Gauss	More than 8,500 Gauss	
Product Weight	2.6kg	2.6kg	
Price	-	-	
Delivery term	2 Weeks	2 Weeks	
Option	MOUNTING STAND	MOUNTING STAND	
	-	-	

## An outline dimensional drawing



5	Ferrule packing	1	Silicon	2.0s
4	O-ring	1	Silicon	625
3	MAGNETIC ROD	1	SUS304	
2	Protecting tube	1	SUS304	
1	BODY-CASE	1	SUS304	
8	Grip	1	Nylon	BTMS-28-W10
7	Spring washer	1	SUS304	M10
6	Clamp band	2	SUS304	Z.Us
No.	Name	QTY	Material	Remark

## ☆ INSTRUCTION MANUAL

- ◆ Remove the clamp band on the body side and pull out the protective tube.  
Then, remove the clamp band that fastens the removed protective tube and magnet bar,  
separate the protective tube and magnet bar.  
Clean the outside of the separated protective tube with running water or air.
  - ◆ Do not use the magnet above the specified temperature.  
If the temperature is higher than the specified temperature, the magnetic force may  
decrease, or the magnetic force may be lost.
  - ◆ When moving or storing the magnet, should cover the case or box.
  - ◆ Depending on the product passing through the instrument, its temperature, and the solvent  
used for cleaning.  
There is a risk of burns.  
Be careful when removing, disassembling, and cleaning.  
Also, when restarting, make sure that the packing, clamps, etc., are securely attached.
- ◆ When a fluid (liquid, paste, pellet, powder) spills or scatters on the floor
  - There is a risk of slips and falls.
- When removing and disassembling, prepare a container in advance or lay a sheet on it.  
Take measures to prevent the fluid from spilling on the floor.



This product uses a powerful magnet.

**Accumulation of the mixture may cause clogging, decrease in flow rate, and decrease in collection capacity.**

Perform regular cleaning.

### ● Risk for pinching fingers in the magnet and getting injured

- Keep the magnet at least 30 cm away from magnetic materials (objects to which the magnet attaches: iron pieces, steel materials, metal tools, metal fittings, nickel products, cobalt products). If you get too close, it will be gravitate toward you very strongly, and it is dangerous.

### ● The danger of destroying magnetism

Data on magnetic medium (credit cards and floppy disks) will be destroyed.

Magnetism is affected by precision equipment (clocks) and electrical products (telephones, televisions, computers).

Would you please not bring the magnet close to such items as they become inoperable due to a strong magnetic field?

### ● Risk of erroneous operation of the pacemaker

People with pacemakers, electronic medical devices, etc., and people with metal allergies should keep away from magnets.

### ● The danger of magnets popping out

Do not weld, cut or disassemble the magnet (magnet bar). Also, it does not have a substantial impact on the magnet. There is a danger that the magnetic force will decrease, and the magnet will pop out.

KAWATA U.S.A.,Inc.  
WWW.kawata-usa.com