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Electromagnetic Separator Model: CG Dry Material

Fine iron powder from raw material!

Usage

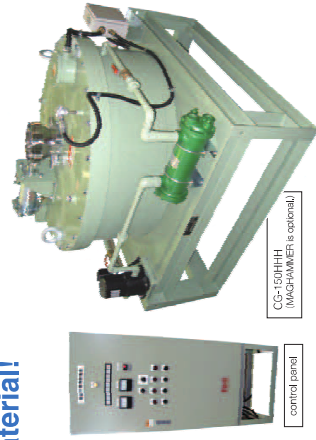
Model CG is designed to remove fine iron powders from dry powdered materials to get the best results in food, chemical, plastic, ceramic, medical industries and many other.

Features

1. Electro-magnetized screens capture fine iron particles in microns.
2. Vibration motor ensures effective flow to the filter screen.
3. Limited amount of roll-in material.

Specifications

1. Standard (3,000 gauss) to high magnetic force (12,000 gauss)
2. Additional Maghammer helps better flow rate.
3. Screen pitch can be selected for best results.
4. Controller included

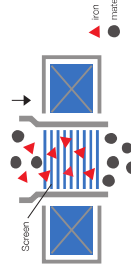


CG-150HHH (MAGHAMMER is optional)

control panel

CG's designed to get the best results from dry material.

It's been difficult to make an iron separation of grain size under 0.1mm due to particle attraction and adhesion to the separator. CG directs the magnetic flux to the center of unit and enhances higher flux density without magnetic leakage. Vibration to filters ensures effective removal of iron to improve screen flow rate.



Specifications	High magnetic force type											
	150	250	300	150H	250H	300H	150HH	250HH	300HH	300HHH		
Maximum magnetic force (Gauss)	Approx. 3,000											
Weight (kg)	200	400	450	800	1,200	1,400	1,500	1,700	1,900	2,000	2,300	2,500
Cross-section size (mm)	145	245	295	145	245	295	145	245	295	145	245	295
Number of screens (max)	13	12	15	13	13	14	19	16	16	20	17	17
Volume of raw material (l)	15	30	40	40	50	55	60	70	95	120	150	160
Oil Cooler	Water-cooled oil cooler						Water-cooled oil cooler					
Oil pump	Electric power consumption 19W						Electric power consumption 19W					
Vibrator	Output: 75W Vibration force: 100kg						Output: 150W Vibration force: 200kg					
Power-SSB (V, Hz) (IAC)	27V 60V 88V						200~440V					
Lean voltage (VDS)	13A						20A					
Magnetization power (kw)	0.35 0.78 1.1 1.8 2.1 2.3 4.2 5.2 5.6						24A					
Screen size (mm) (mm) (mm)	400(W) x 300(L) x 540(H)						500(W) x 320(L) x 700(H)					
control panel weight (kg)	Approx. 103kg						Approx. 153kg					

* The maximum magnetic field is measured values of the CG-150 series representation. There are slight differences for 250 series and 300 series.

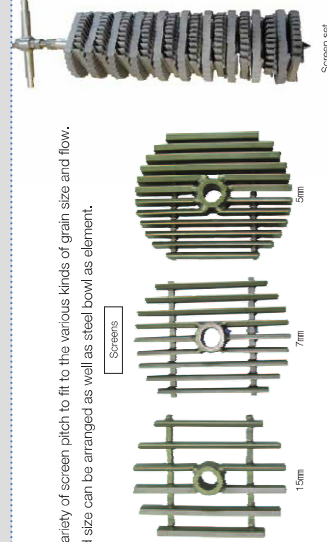
Screen

Features

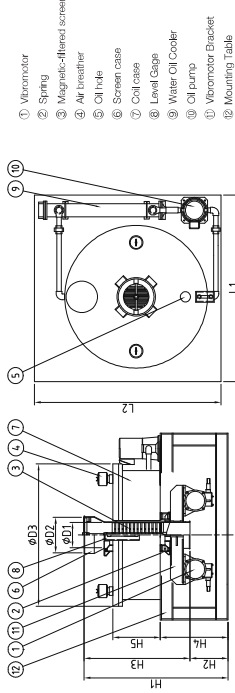
Durable strong magnetic filter materials and variety of screen pitch to fit to the various kinds of grain size and flow. Custom made of screen design, material, and size can be arranged as well as steel bowl as element.

Specifications

1. Standard openings: 5mm/7mm/10mm/12mm/15mm/20mm
2. Screen materials: SUS304



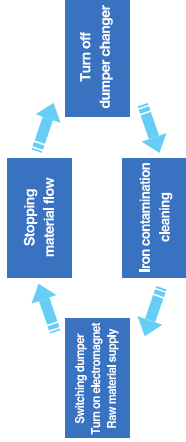
Model	φD1	φD2	φD3	L1	L2	H1	H2	H3	H4	H5
CG-150H	150	226	840	1,050	1,000	850	225	625	400	280
CG-250H	250	328	900	1,100	1,150	985	325	660	500	315
CG-300H	300	378	900	1,100	1,150	1,025	325	700	500	355
CG-150HH	150	226	880	1,150	1,100	1,050	300	750	500	400
CG-250HH	250	328	1,000	1,200	1,250	1,051	325	725	500	410
CG-300HH	300	378	1,100	1,300	1,350	1,052	325	725	500	410
CG-150HHH	150	226	1,100	1,350	1,300	1,000	325	765	500	450
CG-250HHH	250	328	1,350	1,550	1,500	1,090	325	765	500	460
CG-300HHH	300	378	1,400	1,550	1,500	1,090	325	765	500	460



1. Vibrator
2. Spring
3. Magnetic filter screen
4. Air breather
5. Oil hole
6. Screen case
7. Oil case
8. Level Gauge
9. Water Oil Cooler
10. Oil pump
11. Vibrator Dracket
12. Mounting Table

AT-CG(Automated dumper system)

AT-CG model can be combined with a material feed driver, an automated CG iron-powder and a timer to achieve an operation process that can be repeated at the desired interval.



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Electromagnetic Separator Model: CG-180X Dry Material

Amazingly powerful! Electromagnetic separator with 15,000 gauss has appeared!

features

1. Magnetic Field (With screen set) over 15,000 gauss.
2. Oil Controller improves cooling ability.

Specifications

1. Copper Wire for Coil.
2. Oil cooler cooling system is also available.
3. Optional AT-CG Model for Automatic Dumper.

Model	CG-180X
Magnetic Field (With Screen Set)	15,000 Gauss than-gauss
Filter Core Magnetic Flux Density	5,000 Gauss than-gauss
Number of screen	20PCS
Weight	Approx. 3,000kg
Cooling system	Oil cooler