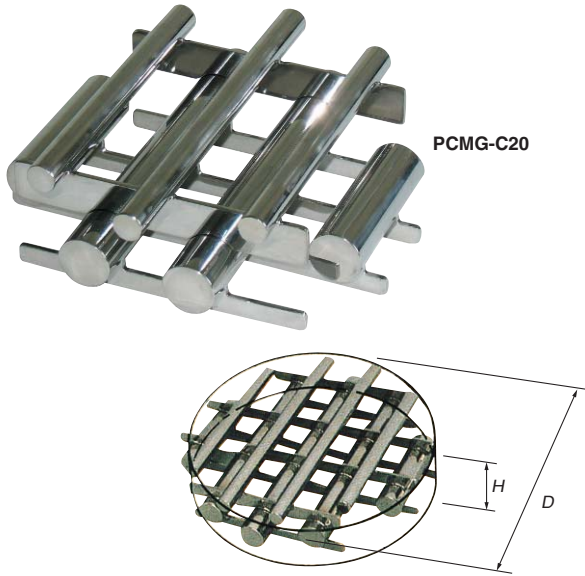


Model **PCMG** POWERFUL ROUND GRID TYPE MAGNETIC BAR UNIT



[Application]

A unit consisting of powerful magnetic bars arranged in a grid. It is installed to remove iron from various bulk materials during their fall from round ducts or pipes. It can also be placed or suspended in a liquid tank to remove iron.

[Features]

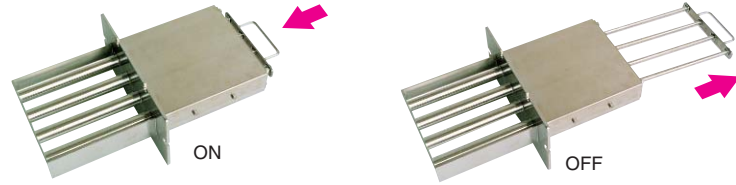
- High grade finish of sanitary specification.
- Models of various sizes available according to sizes of ducts and pipes.
- These powerful units employ powerful rare earth magnets having a property value of 1.2 T (12,000 G) or 1.35 T (13,500 G) or over and the surface maximum magnetic flux density is 0.8 T (8,000 G) or 1 T (10,000 G).
- These units are water-tight and thus can be installed in fluid.
- Since permanent magnets of which the strong magnetic force is maintained for almost perpetually are used, the running cost can be reduced significantly.



**Magnets contributing to the glitter of pure white crystal sugar.**

**An example of equipment utilizing magnetic bars**

This equipment can be turned on and off in magnetic force to remove attracted iron. When the lever is pulled, the magnetic bars in the pipes move to the box and the pipes are demagnetized. When the lever is pushed in, the pipes are magnetized again.



\*This product is made to order and will be manufactured after determination of sizes, etc. with the customer.

**Powerful round grid type magnetic bar unit**

[mm (in)]

Model	Treating Amount	Dimensions		Applicable Magnetic Bar			Casing		Surface Max. Magnetic Flux Density	Working Temperature Upper Limit	Mass	Remarks
		D	H	Dia	Magnet used	Number	Material	Finish				
PCMG-C20	4.5m <sup>3</sup> /h	φ 196 (7.71)	65 (2.55)	φ 25 (0.98)	Nd rare earth type  Property value 1.2T (12,000G)	4	SUS304	# 400 buffed	0.8T (8000G)	80°C (176° F)	2.2kg/ 4.8 lb	SUS316 version also available.
PCMG-C25	7 m <sup>3</sup> /h	φ 246 (9.68)				5					3.6kg/ 7.9 lb	
PCMG-C30	10 m <sup>3</sup> /h	φ 296 (11.6)				6					5 kg/11.0 lb	
PCMG-C35	13 m <sup>3</sup> /h	φ 346 (13.6)				7					6.5kg/14.3 lb	
PCMG-C40	17 m <sup>3</sup> /h	φ 396 (15.5)				8					7.8kg/17.2 lb	

\*A 2-stage type or a type with frame is also available upon request.

**Super powerful round grid type magnetic bar unit**

[mm (in)]

Model	Treating Amount	Dimensions		Applicable Magnetic Bar			Casing		Surface Max. Magnetic Flux Density	Working Temperature Upper Limit	Mass	Remarks
		D	H	Dia	Magnet used	Number	Material	Finish				
PCMG-C20	4.5m <sup>3</sup> /h	φ 196 (7.71)	65 (2.55)	φ 25 (0.98)	Nd rare earth type  Property value 1.35T (13,500G)	4	SUS304	# 400 buffed	1T (10000G)	80°C (176° F)	2.2kg/ 4.8 lb	SUS316 version also available.
PCMG-C25	7 m <sup>3</sup> /h	φ 246 (9.68)				5					3.6kg/ 7.9 lb	
PCMG-C30	10 m <sup>3</sup> /h	φ 296 (11.6)				6					5 kg/11.0 lb	
PCMG-C35	13 m <sup>3</sup> /h	φ 346 (13.6)				7					6.5kg/14.3 lb	
PCMG-C40	17 m <sup>3</sup> /h	φ 396 (15.5)				8					7.8kg/17.2 lb	

\*A 2-stage type or a type with frame is also available upon request.

**Heat-resistant powerful round grid type magnetic bar unit**

[mm (in)]

Model	Treating Amount	Dimensions		Applicable Magnetic Bar			Casing		Surface Max. Magnetic Flux Density	Working Temperature Upper Limit	Mass	Remarks
		D	H	Dia	Magnet used	Number	Material	Finish				
PCMG-TC20	4.5m <sup>3</sup> /h	φ 196 (7.71)	65 (2.55)	φ 25 (0.98)	Sm rare earth type  Property value 1.1T (11,000G)	4	SUS304	# 400 buffed	0.8T (8000G)	240°C (464° F)	2.2kg/ 4.8 lb	SUS316 version also available.
PCMG-TC25	7 m <sup>3</sup> /h	φ 246 (9.68)				5					3.6kg/ 7.9 lb	
PCMG-TC30	10 m <sup>3</sup> /h	φ 296 (11.6)				6					5 kg/11.0 lb	
PCMG-TC35	13 m <sup>3</sup> /h	φ 346 (13.6)				7					6.5kg/14.3 lb	
PCMG-TC40	17 m <sup>3</sup> /h	φ 396 (15.5)				8					7.8kg/17.2 lb	

\*A 2-stage type or a type with frame is also available upon request.

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