



**MAGNETIC PRODUCTS, INC.**

ENGINEERED METAL CONTROL SOLUTIONS

# Magnetic Chute Quick-Clean

Series: MC-QC

CUSTOM TRANSITIONS  
AVAILABLE

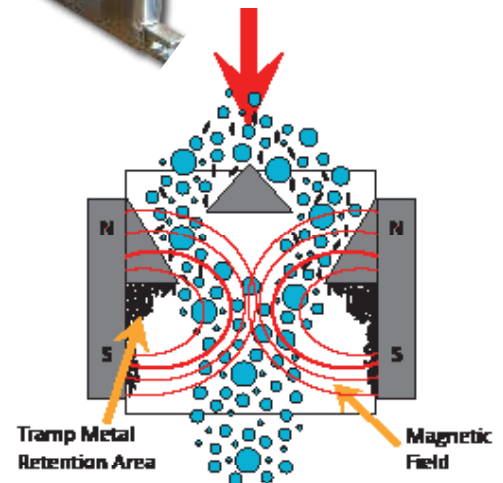
CERAMIC MAGNET MATERIAL  
(OPTIONAL RARE EARTH)

STEPPED MAGNETIC  
FACE TO MINIMIZE TRAMP  
METAL "WASH-OFF"

*Hinge-Mount Style Rare  
Earth Chute shown (Self-  
clean models available)*



CENTER DIVERTER  
DIRECTS PRODUCT  
FLOW TOWARDS  
MAGNETIC FIELD



## Application

MPI's exclusive Quick-Clean Magnetic Chutes are designed to remove medium to large-size ferrous tramp metal contaminant's from high-volume product flows in gravity-fed vertical chutes. The MC-Series magnets are ideal for use with heavy product flows which would otherwise bridge or choke if filtered through magnetic grates. MPI's MC-Series magnets are used in many industries including the food, feed, chemical and grain to improve product quality and protect equipment such as milling, processing and packaging.

## Operation

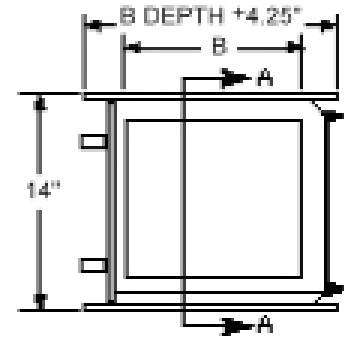
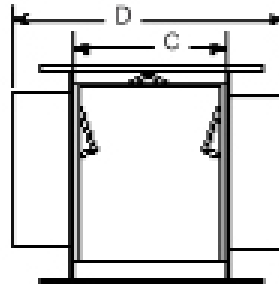
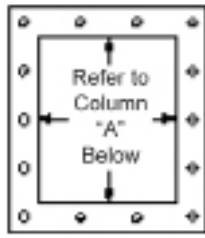
The product stream flows between two large and powerful permanent magnets located on either side of the chute. There a center diverter directs the product flow towards the two magnetic faces, which are stepped to minimize tramp metal wash-off. As tramp metal contaminants pass through the magnetic field they are drawn to the magnetic face. After the product stream is terminated the Quick-Clean drawer assembly opens to safely remove the collected tramp metal from the product stream to a disposal area outside the chute.

*\*Specifications subject to change*

Series MC-QC Version 4.0 © MPI

**MPI**

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## MC-QC Selection Guide

MODEL NUMBER	PRODUCT'S FLOW OPENING "A"		PRODUCT OPENING WIDTH "B"		PRODUCT OPENING DEPTH "C"		OVERALL WIDTH "D"		APPROX. UNIT'S WEIGHT		FLOW RATE
	SQ. IN.	SQ. CM	IN.	CM	IN.	CM	IN.	CM.	LBS.	KG	FT <sup>3</sup> /HR
MC-808-QC	64	413	8	20.3	8	20.3	18.75	47.0	154	70	1,200
MC-810-QC	80	516	10	25.4	8	20.3	18.75	47.0	192	87	1,500
MC-812-QC	96	615	12	30.5	8	20.3	18.75	47.0	231	104	2,000
MC-1010-QC	100	695	10	25.4	10	25.4	20.75	52.1	195	88	2,200
MC-1012-QC	120	774	12	30.5	10	25.4	20.75	52.1	233	106	2,500
MC-1014-QC	140	903	14	35.6	10	25.4	20.75	52.1	272	123	3,000
MC-1016-QC	160	1032	16	40.6	10	25.4	20.75	52.1	311	141	3,500
MC-1018-QC	180	1161	18	45.7	10	25.4	20.75	52.1	350	158	4,000
MC-1020-QC	200	1290	20	50.8	10	25.4	20.75	52.1	389	176	5,000
MC-1022-QC	220	1419	22	55.9	10	25.4	20.75	52.1	428	194	6,000
MC-1024-QC	240	1598	24	61.0	10	25.4	20.75	52.1	467	211	7,020
MC-1026-QC	260	1677	26	66.0	10	25.4	20.75	52.1	506	229	8,500
MC-1028-QC	280	1806	28	71.1	10	25.4	20.75	52.1	545	246	10,000
<b>Chutes larger than 28 inches wide are recommended as self-clean units only.</b>											
MC-1030-SC	300	1935	30	76.2	10	25.4	20.75	52.1	584	264	11,500
MC-1032-SC	320	2065	32	81.3	10	25.4	20.75	52.1	622	282	13,300
MC-1034-SC	340	2193	34	86.4	10	25.4	20.75	52.1	661	299	15,200
MC-1036-SC	360	2323	36	91.4	10	25.4	20.75	52.1	700	317	17,000

### Standard Features

- Powerful Ceramic magnet material
- 100% Stainless steel construction
- 14" total height
- Heavy-duty "quick-release" swing bolt latches
- FDA-approved welded compression style gasket features a permanent seal and virtually eliminates the need for gasket replacement
- Center diverter and stepped magnetic faces to maximize tramp metal removal

### Options

- Self-Cleaning designs
- Rare Earth magnet material
- Three-cell magnet designs
- Custom alloy stainless steel designs
- Tramp metal collection trays
- Chute transition adapters

\*Specifications subject to change