

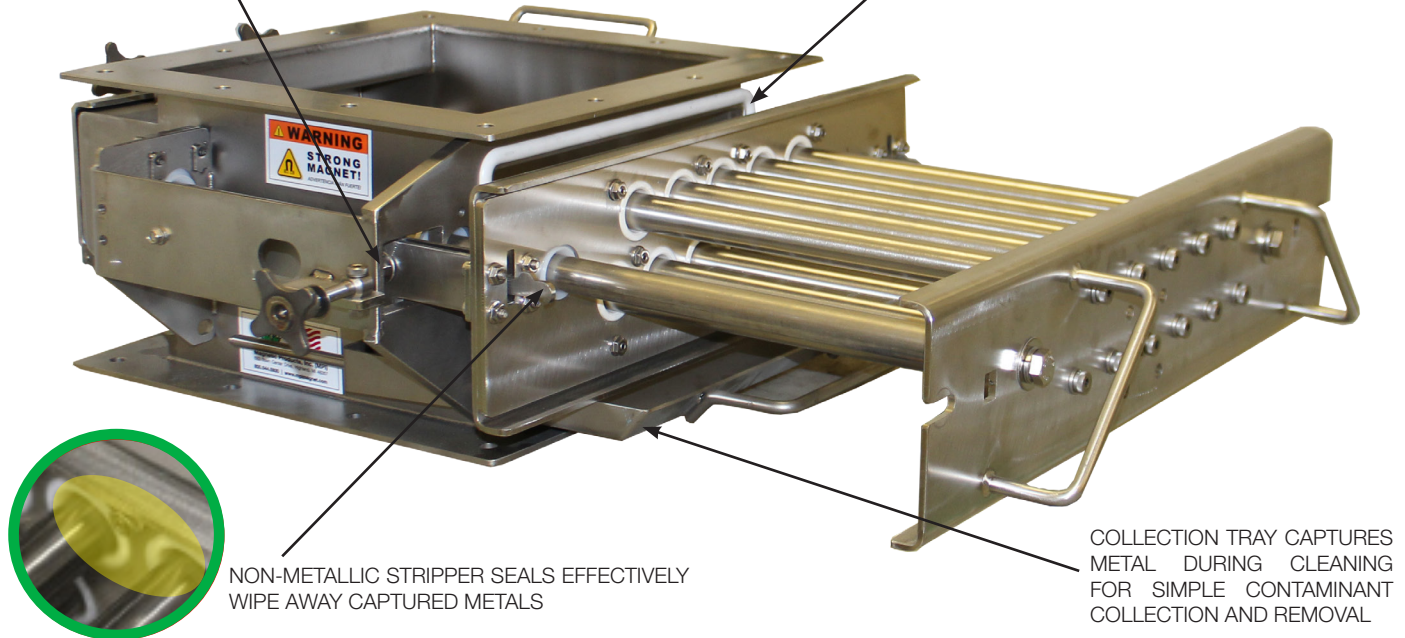


# 200-Series Drawer Magnet Quick-Clean

Series: DMU-200-QC

ROBUST TRACKING SYSTEM SUPPORTS MAGNET WEIGHT AND MAINTAINS ALIGNMENT TO ALLOW EASY MAGNET CLEANING AND TO ENSURE STRIPPER SLEEVES ARE NOT DAMAGED DURING CLEANING CYCLES

FDA-APPROVED COMPRESSION STYLE GASKET FEATURES A POSITIVE SEAL AND VIRTUALLY ELIMINATES THE NEED FOR GASKET REPLACEMENT



NON-METALLIC STRIPPER SEALS EFFECTIVELY WIPE AWAY CAPTURED METALS

COLLECTION TRAY CAPTURES METAL DURING CLEANING FOR SIMPLE CONTAMINANT COLLECTION AND REMOVAL

## Application

MPI's Quick-Cleaning Drawer Magnets utilize the "Type A" magnetic circuit to remove small to medium sized ferrous contaminant from dry powder or granular free-flowing product streams in gravity-fed vertical chutes. They employ 2-tiers of magnetic tubes for maximum magnetic filtration for protecting processing equipment such as milling, extruding, and mixing machinery, while assuring high product quality standards with low maintenance.

## Operation

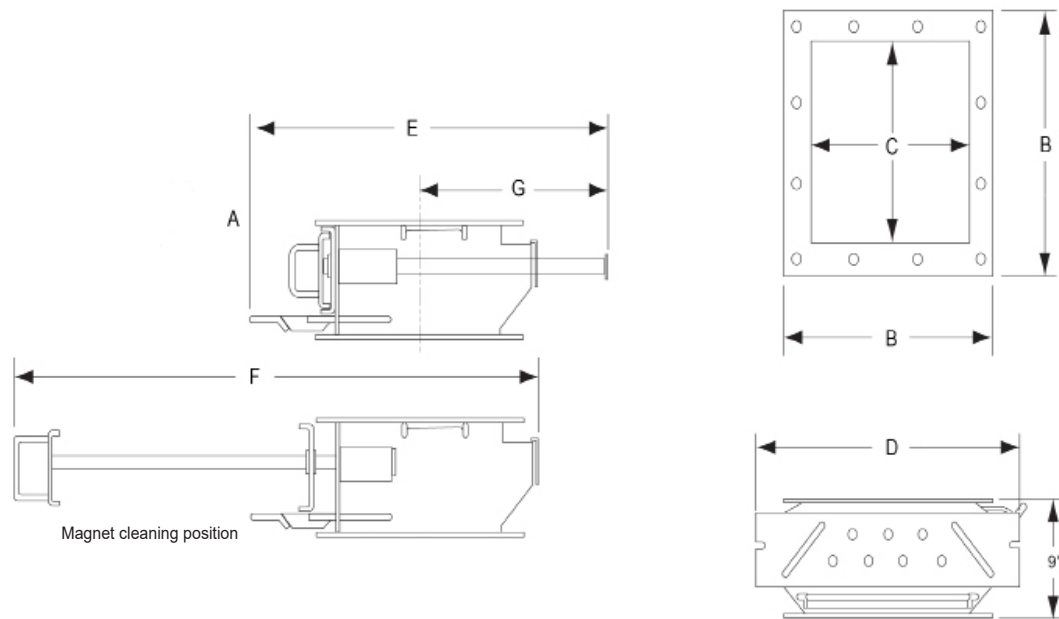
Product flows through two rows of 1" diameter magnetic tubes, designed to create an extremely effective magnetic circuit. The rows of magnetic tubes are staggered to maximize magnetic filtration as product flows through the housing. Tramp metal contaminants move to the underside of the magnetic tubes eliminating tramp metal "wash-off." After terminating the product flow, the magnetic tubes are pulled through non-metallic UHMW stripper assemblies, cleaning the magnetic tubes and depositing the metal contaminants outside the product stream into a collection tray.

*\*Specifications subject to change*

DMU-200-QC Version 2.0 © MPI

**MPI**

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## DMU-200-QC Selection Guide

MODEL NUMBER	DMU FLOW OPENING A		FLANGE WIDTH B		OVERALL WIDTH D		OVERALL LENGTH E (DRAWER CLOSED)		OVERALL LENGTH E (DRAWER OPEN)		REAR EDGE TO CENTER G		NUMBER OF MAGNETIC TUBES 2 ROWS	APPROX. UNIT WEIGHT		FLOW RATE FT <sup>3</sup> /HR
	SQ IN	SQ CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM		LBS	KGS	
DMU-206-QC	36	232	10.25	26	18.25	46	23.71	60	27	69	14.8	38	5	66	30	260
DMU-208-QC	64	412	12.25	31	20.25	51	25.71	65	31	79	15.8	40	7	77	35	600
DMU-210-QC	100	645	14.25	36	22.25	57	29.71	76	35	89	18.8	48	9	106	48	1,350
DMU-212-QC	144	929	16.25	41	24.25	62	33.71	86	39	99	21.8	55	11	120	54	2,400
DMU-214-QC	196	1264	18.25	46	26.25	67	37.71	96	43	109	24.8	63	13	135	61	3,037

For sizes above 14", please contact MPI. Custom sizes available upon request.

### Standard Features

- Integral grounding strap that eliminates potential for static sparking during magnet cleaning
- UHMW stripper seals for effective metal removal
- Powerful rare earth magnet material
- Operating temperatures up to 176° F
- Stainless steel construction
- Two rows of 1" dia. magnetic tubes on 2" centers for maximum magnetic filtration
- Complete stripping action of magnetic tubes ensures tramp metal release
- Easy maintenance and replacement of both magnetic tubes and stripper seals
- Tramp metal collection trays (not shown)

### Options

- Single and multi-tier configurations; custom magnetic tube spacings
- Custom alloy stainless steel construction
- High temperature designs up to 500° F available
- Inlet and outlet transition adapters, sized to customer specification
- Synergistic-coated magnetic tubes for use with abrasive products
- Custom stripper seals for applications not suitable for UHMW

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