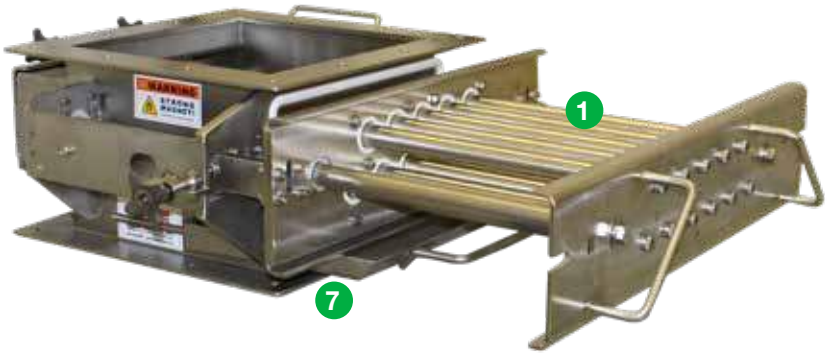
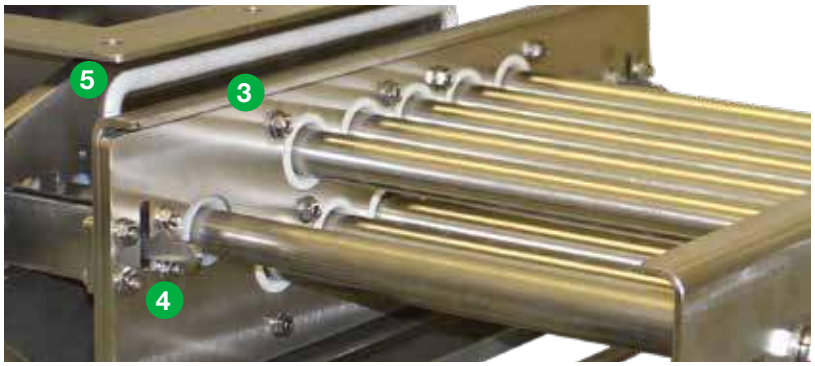
MAGNETIC PRODUCTS, INC.

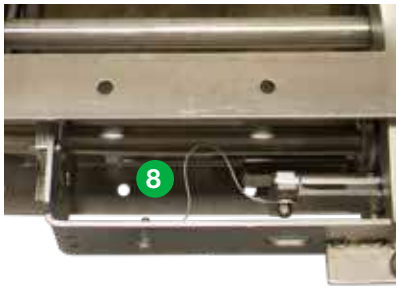
ENGINEERED METAL CONTROL SOLUTIONS

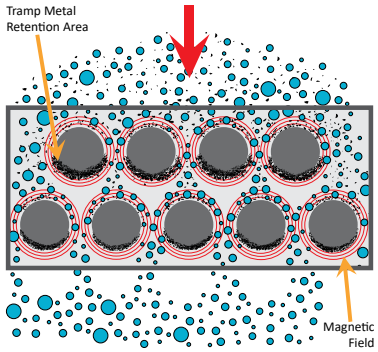
Drawer Magnet Quick-Clean

Series: DMU-QC









1 Magnetic Tubes:
- MPI drawer magnets feature two tiers of high intensity rare earth magnetic tubes that ensure the highest levels of magnetic filtration through direct product contact on the tubes, removing ferrous tramp metal from the product stream

2 Cleaning Cycle:
- Start: Unlatch the drawer. Pull the magnetic tubes through the stripper assembly to deposit the collected tramp metal from the magnetic tubes into the collection tray outside of the housing
- Finish: Push the magnetic tubes back through the stripper assembly into the housing (working position) and re-latch the drawer

3 Floating Stripper Seal:
- Adjusts to tube resulting in even wear and longer life between replacements
- Held in place by machined and fastened laminated stripper plate assembly

4 Stripper Latch:
- Releases stripper plate assembly once the plate has been clearly pulled away from the sealing plate
- Prevents accidental cleaning of the tubes in the product flow area, commonly caused when the stripper assembly is stuck to the sealing plate

5 Sani-TIGHT Seal™ Gasket:
- Type: Compression style "O-ring" cord gasket
- Sealing plate: ½" thick machined stainless plate
- 100% Positive seal, cannot be over-compressed
- Sanitary: Gasket can be removed and replaced for wash-down, no adhesive required

6 Rear Access Panel:
- For easy inspection and maintenance

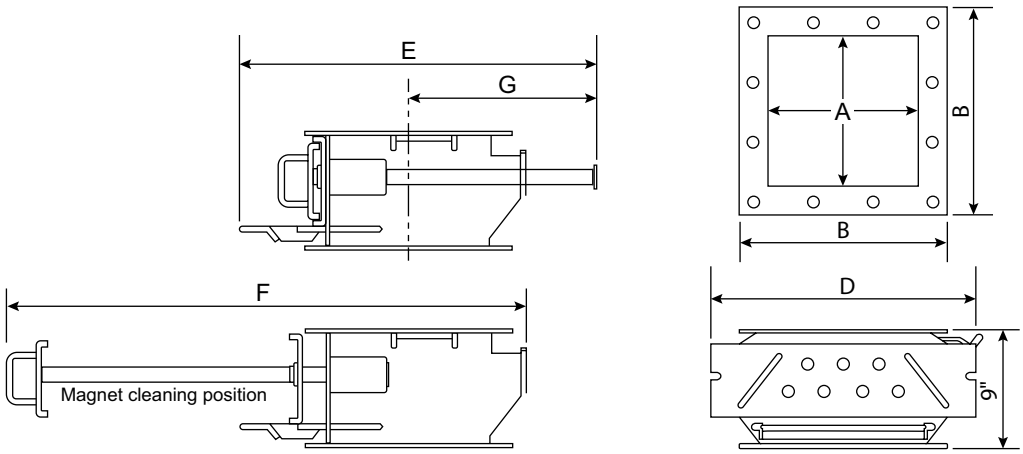
7 Tramp Metal Collection Tray:
- Attachment: Removable cantilever tray
- Locking notch prevents tray from vibrating loose

8 Grounding Strap:
- Provides a discharge path for static buildup

9 Self-Clean Model Available:
- Automated cleaning, easy inspection and maintenance

**Specifications subject to change*

MPI | 683 Town Center Drive, Highland, MI 48356
1.248.887.5600 | info@mpimagnet.com | www.mpimagnet.com



DMU-QC Selection Guide

MODEL NUMBER	DMU FLOW OPENING A		FLANGE WIDTH B		OVERALL WIDTH D		OVERALL LENGTH E (DRAWER CLOSED)		OVERALL LENGTH F (DRAWER OPEN)		REAR EDGE TO CENTER G		NUM. OF MAGNETIC TUBES	APPROX. UNIT WEIGHT		FLOW RATE
	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	2 ROWS	LBS	KGS	FT^3/HR
DMU-206-QC	6	15.24	10.25	26	18.25	46	23.71	60	27	69	14.8	38	5	66	30	260
DMU-208-QC	8	20.32	12.25	31	20.25	51	25.71	65	31	79	15.8	40	7	77	35	600
DMU-210-QC	10	25.4	14.25	36	22.25	57	29.71	76	35	89	18.8	48	9	106	48	1,350
DMU-212-QC	12	30.48	16.25	41	24.25	62	33.71	86	39	99	21.8	55	11	120	54	2,400
DMU-214-QC	14	35.56	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.

DMU-QC Selectable Options

Cleaning Method:
- Manual clean [reference data sheet DM]
- **Manual quick-clean (standard)**
- Automated self-cleaning [reference datasheet DMU-SC]
- Continuous automated self-cleaning [reference datasheet CFDMU-SC]

Number of Tiers of Tubes:
- 100 Series with 1 tier of tubes
- **200 Series with 2 tiers of tubes (standard)**
- 300 Series with 3 tiers of tubes (independent drawers required)
- 400 Series with 4 tiers of tubes (independent drawers required)

Material Construction:
- **304 Stainless Steel (standard)**
- 316 Stainless Steel

Magnetic Tubes [reference datasheet MT]:
- Ceramic
- **REN Rare Earth (standard)**
- Hi-G high performance Rare Earth
- TW Thin Wall high performance Rare Earth

Magnetic Material Temperature:
- 400° @ 3.5 MGO (ceramic)
- **176 F @ 52+ MGOe (rare earth) (standard)**
- 248° @ 48 MGO (rare earth)
- 356° @ 38 MGO (rare earth)
- 662° @ 30 MGO (rare earth)

Tube Spacing:
- **2" horizontal and vertical spacing (standard)**
- 3" (approx.) horizontal and vertical for increased flowability (recommended for products that bridge or choke) (adds 1" to OAH)
- 3" (approx.) horizontal only for increased flowability (available for height restrictions only)
- Custom configurations available

Tube Coatings:
- **Stainless steel with no coating (standard)**
- Synergistic Coating [reference datasheet Synergistic Coating]

Gasket Material:
- **White silicon, FDA approved (standard)**
- Buna, FDA approved
- Metal detectable blue silicon, FDA approved

Stripper Material:
- **UHMW material (standard)**
  - Maximum temperature: 180 F
- Hydex material
  - Higher wear resistance compared to UHMW
  - Higher maximum temperature: 221 F
- Metal Detectable Hydex
  - Requires approximately 25% more pull force to cycle magnet
- Teflon material
  - Higher wear resistance compared to UHMW
  - Higher maximum temperature: 500 F

Position Switch: For unit closed confirmation or safety interlock
- **Not included (standard)**
- Proximity switch for unit closed confirmation (MPI Standard model and mount)
- Mechanical safety switch for unit closed confirmation and safety (MPI Standard model and mount)
- Switch mounting bracket only (customer supplied switch)
- Customer specified model

Independent Drawers: Tube tiers are split so they can be cleaned individually, reducing force require to cycle magnet. Required for sizes 14" to 18" square (maximum size) and recommended when metal detectable strippers are selected.
- **Not included (standard)**
- Included (adds 3" to OAH)

Transitions: Stainless steel transitions for easy installation
- **Not included (standard)**
- Inlet, outlet or both, configured as required for installation

Companion Flanges: Matching companion flanges for customer to weld onto existing chute work for easy installation
- **Not included (standard)**
- Stainless steel companion flanges
- Carbon steel companion flanges

Housing Vibrator: Housing mounted vibrators improve product flowability over magnetic tubes
- **Mounting holes only (standard)**
- Pneumatic vibrator

**Specifications subject to change*

MPI | 683 Town Center Drive, Highland, MI 48356
1.248.887.5600 | info@mpimagnet.com | www.mpimagnet.com