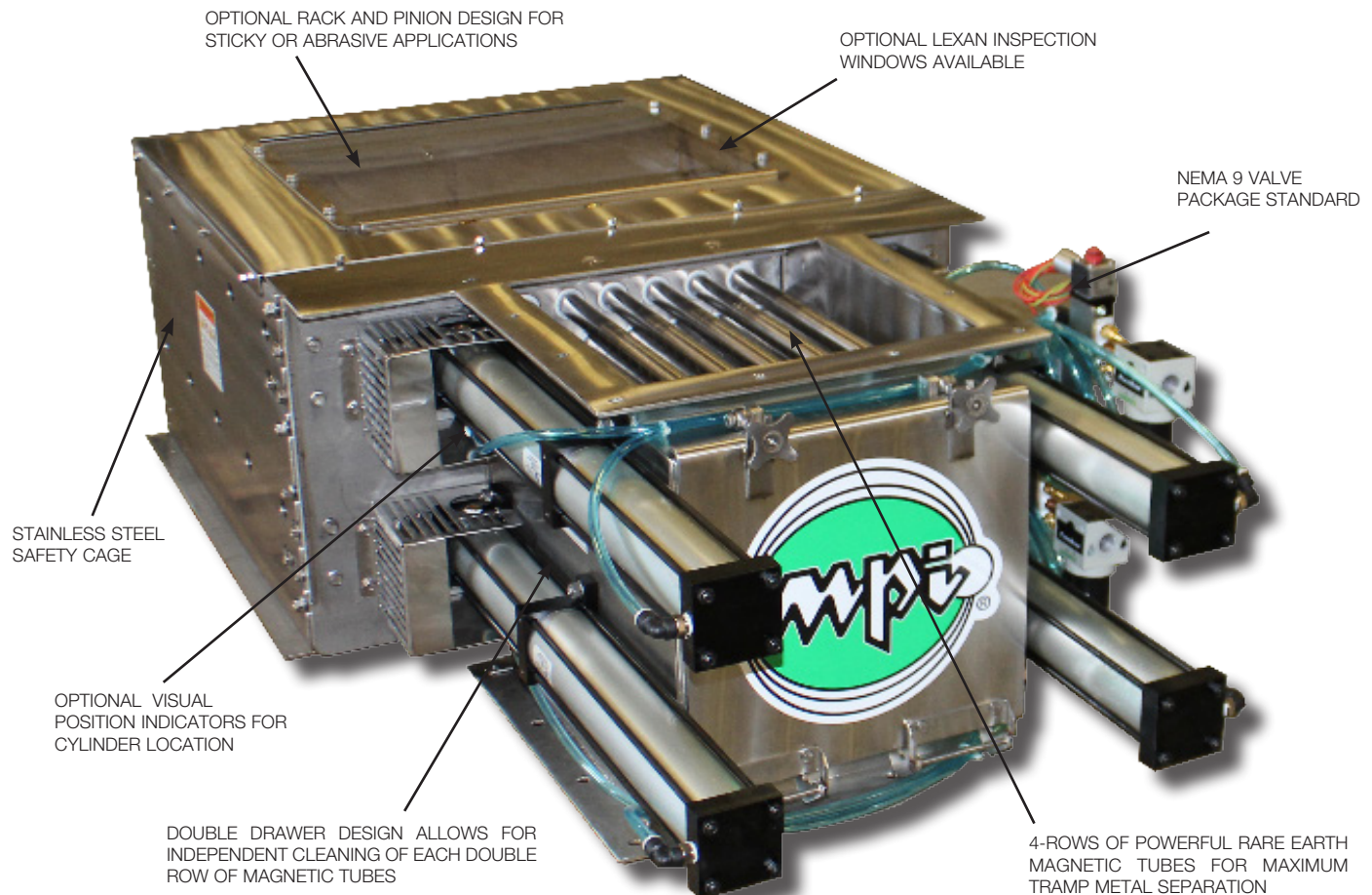




# Continuous Self-Cleaning Drawer Magnet

Series: CFDMU-400-SC



## Application

MPI's Continuous Flow Self-Clean Drawer Magnet uses a "Type A" magnetic circuit to remove small to medium sized tramp metal from dry powder or granular free-flowing product streams in gravity-fed vertical chutes. These drawer magnets utilize four (4) tiers of magnets in two (2) doors, allowing for independent cleaning of each drawer without interrupting product flow. It protects milling, extruding and mixing equipment, while ensuring high product quality standards, 24 hours a day, seven days a week. These units are an excellent solution for applications which have high levels of tramp metal.

## Operation

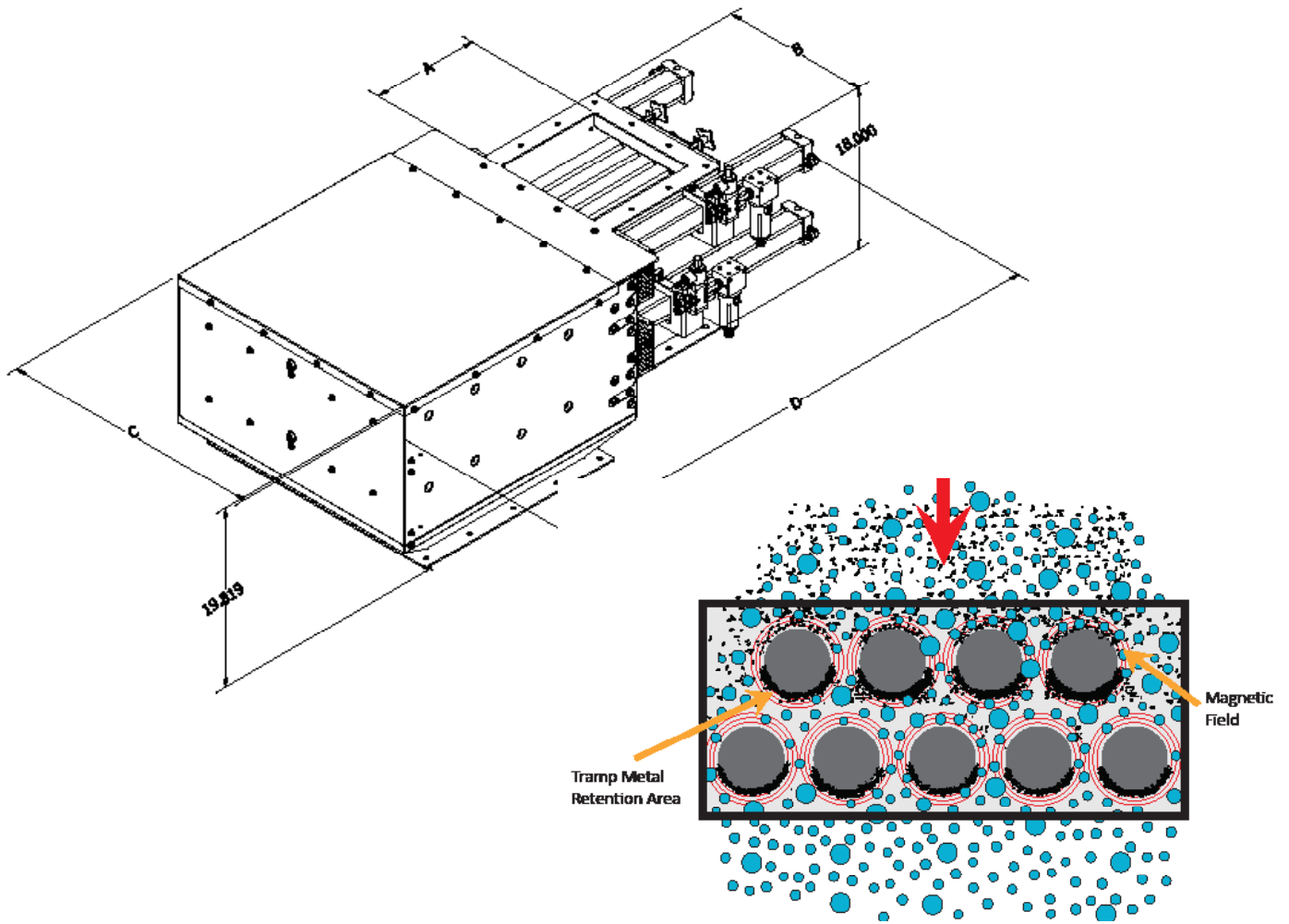
Product flows through a series of magnetic tubes designed to create an extremely effective magnetic circuit. Each row of magnetic tubes is staggered to prevent product bridging or choking and to maximize magnetic filtration. As tramp metal contaminant attaches to the magnetic tubes, the pneumatically controlled cylinders operate one double bank drawer of magnetic tubes at a time to safely remove the tramp metal from the product stream. As one drawer is in the cleaning position, the other is filtering the product stream, thus, allowing for the continuous flow of the product stream.

*\*Specifications subject to change*

Series CF-DMU-400-SC Version 2.0 © MPI

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## CF-DMU-400-SC Selection Guide

MODEL NUMBER	PRODUCT FLOW OPENING AREA A		FLANGE WIDTH B		OVERALL WIDTH C		OVERALL LENGTH D		# OF TUBES	APPROX. WEIGHT	
	IN <sup>2</sup>	CM <sup>2</sup>	IN	CM	IN	CM	IN	CM	4-ROW	LBS	KG
CF-DMU408-SC	64	162.56	12.25	31.12	25.2	64.01	49.5	125.73	14	421	191
CF-DMU410-SC	100	254	14.25	36.2	27.2	69.09	53.5	135.89	18	469	212
CF-DMU412-SC	144	365.76	16.25	41.86	29.2	74.15	57.5	146.05	22	517	234
CF-DMU414-SC	196	497.84	18.25	46.46	31.2	79.25	61.5	156.21	26	565	256
CF-DMU416-SC	256	650.24	20.25	51.43	33.2	84.33	65.5	166.37	30	613	278
CF-DMU418-SC	324	822.96	22.25	56.52	35.2	89.41	69.5	176.53	34	661	300
CF-DMU420-SC	400	1016	24.25	61.60	37.2	94.49	73.5	186.69	38	709	321

### Standard Features

- (2) Two tiers of independent magnetic tube rows with independent pneumatic cylinder
- NEMA 9 XP solenoids
- Minimizes product leakage during drawer cleaning

### Options

- Quick disconnect tramp metal collection tray
- Custom designs and mountings
- Abrasion resistant face plates
- Rack and pinion design to eliminate hard plumbed pneumatics and hardened plastic strips

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