

How to Select HF Drawer Magnets

First, decide which type of Drawer Magnet will work best for your application: the Standard HF Drawer, Manual Self-Cleaning HF Drawer, or Pneumatic Self-Cleaning HF Drawer. Second, view the tables below and find the table for the type of Drawer Magnet you want. Selecting and HF Series Drawer Magnet to fit your system is a matter of matching the magnet to the size and capacity of your spouting or throat opening.

For Square Spouting

Read down the "square spouting" column until you find the correct size. Then read across the row for the corresponding model number.

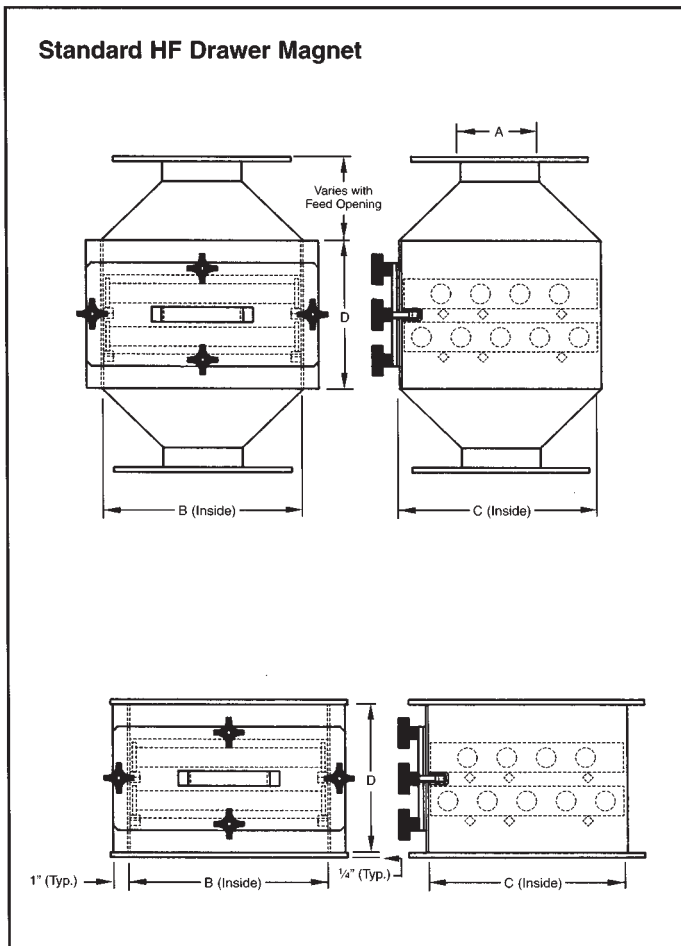
For Round Spouting

Read down the "round spouting" column to match the size you need. Then read across the row for the corresponding model.

For Rectangular Spouting

Calculate the spouting's cross-sectional area in square inches. Then double it. Read down the "housing cross section area" column until you come to an area that is at least as large as the number you just calculated and read across the row to find the model number of the unit that's right for your installation.

We recommend that you consult one of our sales engineers for assistance in selecting the proper HF Drawer Magnet for your application. Consideration will be given to flow rate, types of contaminants, product density, and bridging characteristics to help determine the magnetic material, number, and spacing of trays you'll need. Be sure to specify the appropriate magnetic material and construction grade desired when you order.



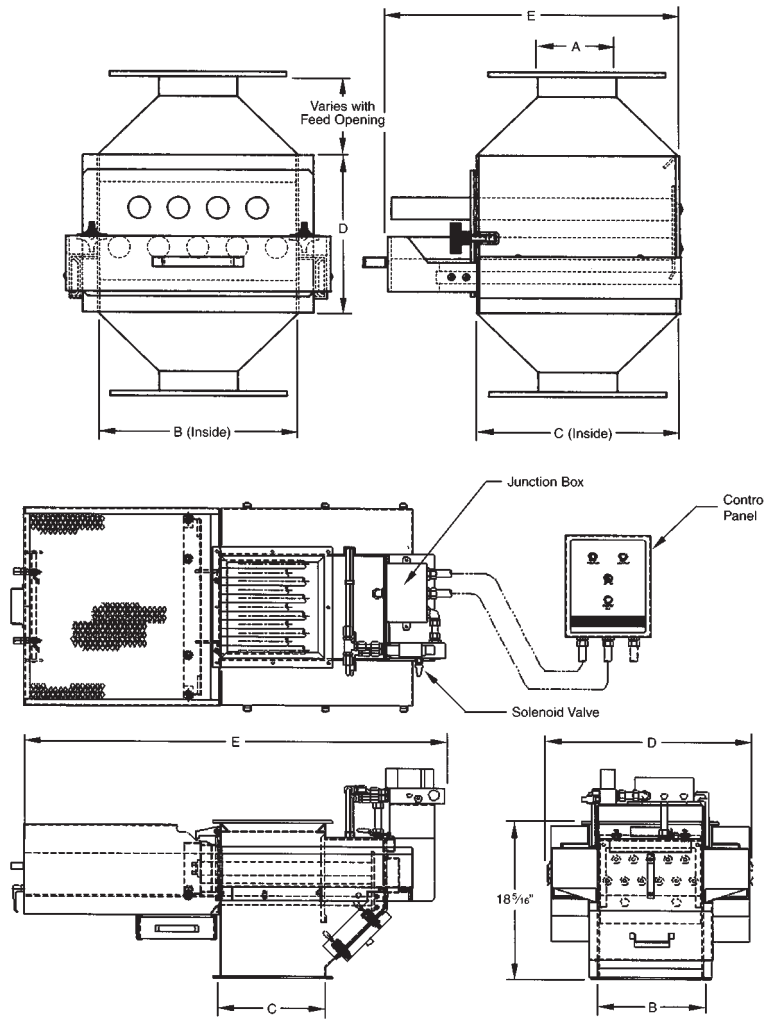
HF Series Drawer Magnets with 2, 3, and 4 Trays

Dimensions in inches. Area in square inches.

Mild Steel Model No.	Stainless Steel Model No.	Housing Cross Section Area	Square Spouting	Round Spouting	A Width	B Depth	C Height	D
HF-2010	HFS-2010	100	6	6	10	10	6	
HF-2012	HFS-2012	144	8	8	12	12	6	
HF-2014	HFS-2014	196	9	10	14	14	6	
HF-2016	HFS-2016	256	10	12	16	16	7 1/2	
HF-2018	HFS-2018	324	12	13	18	18	7 1/2	
HF-2020	HFS-2020	400	13	14	20	20	7 1/2	
HF-2022	HFS-2022	484	14	16	22	22	7 1/2	
HF-2024	HFS-2024	576	16	18	24	24	7 1/2	
HF-2026	HFS-2026	676	17	19	26	26	7 1/2	
HF-2028	HFS-2028	784	18	20	28	28	7 1/2	
HF-2030	HFS-2030	900	20	22	30	30	7 1/2	
HF-3010	HFS-3010	100	6	6	10	10	8 3/16	
HF-3012	HFS-3012	144	8	8	12	12	8 3/16	
HF-3014	HFS-3014	196	9	10	14	14	8 3/16	
HF-3016	HFS-3016	256	10	12	16	16	9 1/16	
HF-3018	HFS-3018	324	12	13	18	18	9 1/16	
HF-3020	HFS-3020	400	13	14	20	20	9 1/16	
HF-3022	HFS-3022	484	14	16	22	22	9 1/16	
HF-3024	HFS-3024	576	16	18	24	24	9 1/16	
HF-3026	HFS-3026	676	17	19	26	26	9 1/16	
HF-3028	HFS-3028	784	18	20	28	28	9 1/16	
HF-3030	HFS-3030	900	20	22	30	30	9 1/16	
HF-4010	HFS-4010	100	6	6	10	10	10 3/8	
HF-4012	HFS-4012	144	8	8	12	12	10 3/8	
HF-4014	HFS-4014	196	9	10	14	14	10 3/8	
HF-4016	HFS-4016	256	10	12	16	16	11 7/8	
HF-4018	HFS-4018	324	12	13	18	18	11 7/8	
HF-4020	HFS-4020	400	13	14	20	20	11 7/8	
HF-4022	HFS-4022	484	14	16	22	22	11 7/8	
HF-4024	HFS-4024	576	16	18	24	24	11 7/8	
HF-4026	HFS-4026	676	17	19	26	26	11 7/8	
HF-4028	HFS-4028	784	18	20	28	28	11 7/8	
HF-4030	HFS-4030	900	20	22	30	30	11 7/8	

The dimensions listed above may vary depending on specific application information. When ordering, be sure to state which magnetic material you want for your application...or add one of the following abbreviations to the end of the Model Number you select:

CR = Ceramic Magnets AL = Alnico Magnets NPB = Neodymium Power-Balanced Rare Earth Magnets
 NHI = Neodymium High-Intensity Rare Earth Magnets for the most demanding applications.



Manual Self-Cleaning HF Drawer Magnets

Dimensions in inches. Area in square inches.

Mild Steel Model No.	Stainless Steel Model No.	Housing Cross Section Area	A Square Spouting	A Round Spouting	B	C	D	E
HF-2010SC	HFS-2010SC	100	6	6	10	10	8	14 $\frac{1}{2}$
HF-2012SC	HFS-2012SC	144	8	8	12	12	8	16 $\frac{1}{2}$
HF-2014SC	HFS-2014SC	196	9	10	14	14	8	18 $\frac{1}{2}$
HF-2016SC	HFS-2016SC	256	10	12	16	16	8	20 $\frac{1}{2}$

The dimensions listed in both charts may vary depending on specific application information. Self-Cleaning Drawer Magnets typically come in 2-row models but are available with 3-and 4-row trays as well.

When ordering, be sure to state which magnetic material you want for your application...or add one of the following abbreviations to the end of the Model Number you select:
CR = Ceramic Magnets **AL** = Alnico Magnets
NPB = Neodymium Power-Balanced Rare Earth Magnets
NHI = Neodymium High-Intensity Rare Earth Magnets for the most demanding applications.

Pneumatic Self-Cleaning HF Drawer Magnets

Dimensions in inches. Area in square inches.

Mild Steel Model No.	Stainless Steel Model No.	Housing Cross Section Area	A Square Spouting	A Round Spouting	B	C	D	E
HF-2012PSC	HFS-2012PSC	144	8	8	12	12	24	50 $\frac{5}{8}$
HF-2014PSC	HFS-2014PSC	196	9	10	14	14	26	54 $\frac{5}{8}$
HF-2016PSC	HFS-2016PSC	256	10	12	16	16	28	58 $\frac{5}{8}$
HF-2018PSC	HFS-2018PSC	324	12	13	18	18	30	62 $\frac{5}{8}$
HF-2020PSC	HFS-2020PSC	400	13	14	20	20	32	66 $\frac{5}{8}$
HF-2022PSC	HFS-2022PSC	484	14	16	22	22	37	70 $\frac{5}{8}$
HF-2024PSC	HFS-2024PSC	576	16	18	24	24	39	74 $\frac{5}{8}$