





At A Glance

-  **Protection: Secondary**
-  **Feed Type: Gravity**
-  **Material Type: NdFeb**
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Our Auto-Shuttle magnetic separator enables screening of processed products 24 hours a day, seven days a week, without the need for manual intervention. The system can even carry out a full clean without the need to stop the process.

The unit is supplied with a pre-programmed PLC that can either work independently or connected to the central control rooms system for remote activation or monitoring etc. There are reed switches fitted to each end of the separator tubes to indicate the position of each magnetic core. The full system remains air tight throughout normal operation making it suitable for environments where ATEX equipment is required.



Benefits

- Fully autonomous in operation
- Removes micron sized contaminants
- Reduces 'spark' risk
- Suitable for control room connection

Performance

Magnetic Performance	7000, 9000 and 10000 Gauss
Performance Reading	On tube surface
Magnet Grade	N35 & N45 – Inspected and confirmed via hysteresograph prior to use
Temperature	23°F / 104°F (-5°C / +40°C)
Pressure	+ / - 3 psi

Suitability

Suitable Products	Dry powders and granulates, flour, sugar and salt
Suitable Location	Any vertical process line

Options

- Pharmaceutical specification
- Siemens, Mitsubishi or Allen Bradley PLC
- Flanged to suit
- Higher temperature versions available
- Metal detectable seal

Materials

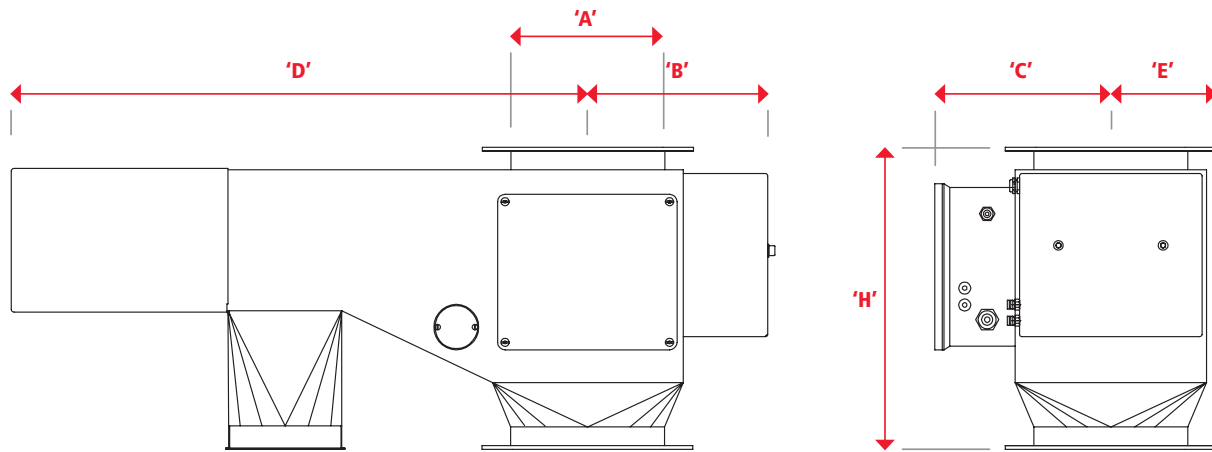
Magnetic Material	Rare Earth Neodymium Iron Boron - (NdFeb)
Housing	316 grade stainless steel
Tubing	316 grade stainless steel
Other Parts	316 grade stainless steel
Sealing	Self adhered white foam
Surface Finish	Brushed internally / Polished externally to 1.2µm
PLC	Cruzet

Cleaning

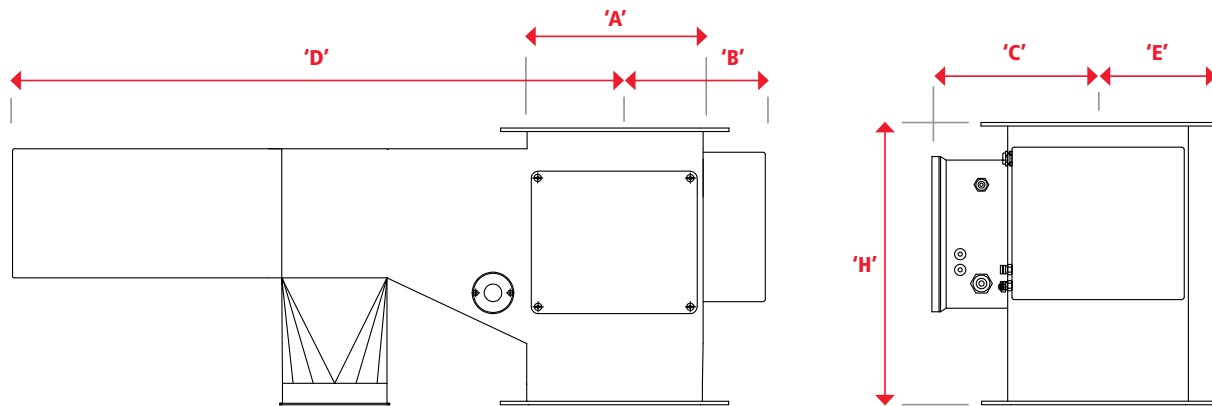
The magnetic cores remain in the process chamber until a cleaning signal is given. Then compressed air is fed into each separator tube forcing the core to the other end of the unit. The contamination follows the core, which first passes through the product return chamber, which prevents loss of good product, and into the cleaning chamber where the collected contamination is deposited. The cleaning chamber is fitted with a transition piece, which allows a collection container to be fitted. It is this container that is removed to assess the collected contamination.



Auto-Shuttle Double Row

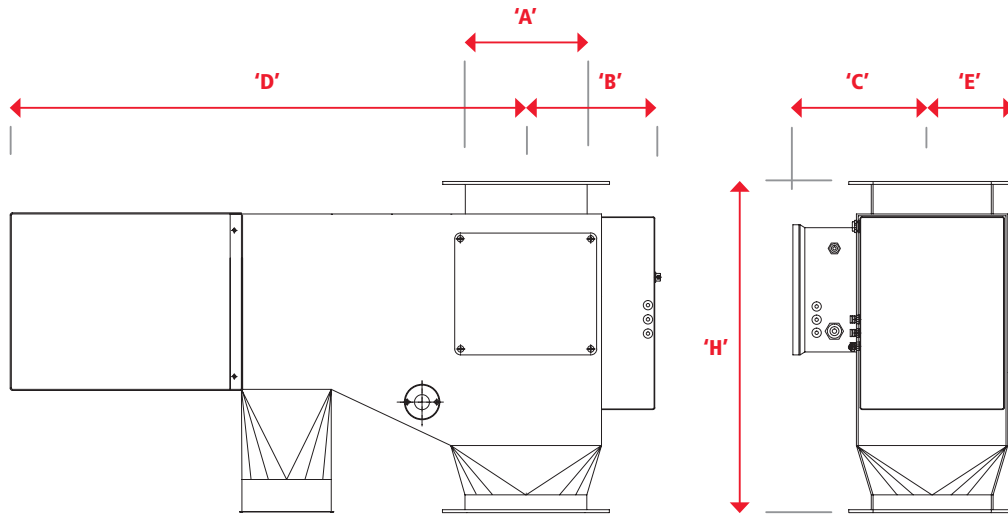


Part Number (Round)	Inlet / Outlet A (inches)	B (inches)	C (inches)	D (inches)	E (inches)	H (inches)	Number Of Rods
ASHD150	6 \emptyset	31	10	31	5	16	3 + 2
ASHD200	8 \emptyset	34	11	33	6	16	3 + 2
ASHD250	10 \emptyset	37	12	35	7	16	4 + 3
ASHD300	12 \emptyset	39	13	37	8	16	5 + 4
ASHD350	14 \emptyset	42	14	39	9	16	6 + 5
ASHD400	16 \emptyset	45	15	41	10	16	7 + 6
ASHD450	18 \emptyset	48	16	43	11	16	8 + 7
ASHD500	20 \emptyset	51	17	45	12	16	9 + 8
ASHD550	22 \emptyset	54	18	47	13	16	10 + 9
ASHD600	24 \emptyset	57	19	49	14	16	11 + 10

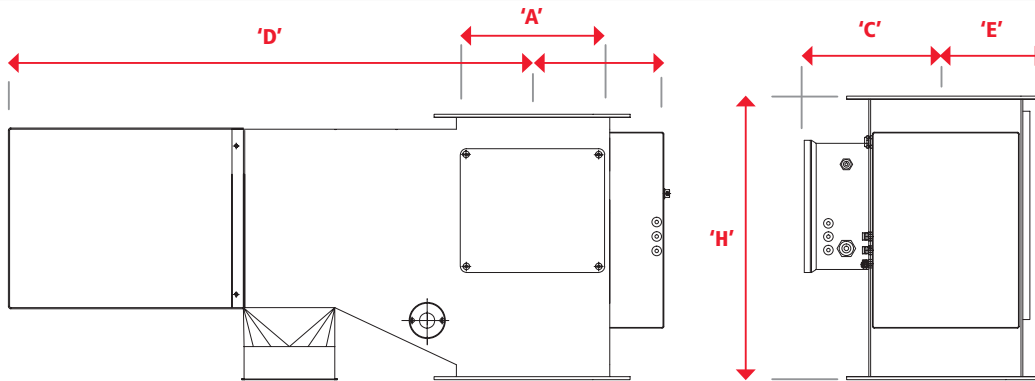


Part Number (Square)	Inlet / Outlet A (inches)	B (inches)	C (inches)	D (inches)	E (inches)	H (inches)	Number Of Rods
ASHD1515	6 sq	7	9	32	5	14	2 + 1
ASHD2020	8 sq	8	10	34	6	14	3 + 2
ASHD2525	10 sq	9	11	36	7	14	4 + 3
ASHD3030	12 sq	10	12	38	8	14	5 + 4
ASHD3535	14 sq	11	13	40	9	14	6 + 5
ASHD4040	16 sq	12	14	42	10	14	7 + 6
ASHD4545	18 sq	13	15	44	11	14	7 + 6
ASHD5050	20 sq	14	16	46	12	14	8 + 7
ASHD5555	22 sq	16	17	48	13	14	9 + 8
ASHD6060	24 sq	18	18	50	14	14	10 + 9

Auto-Shuttle Triple Row

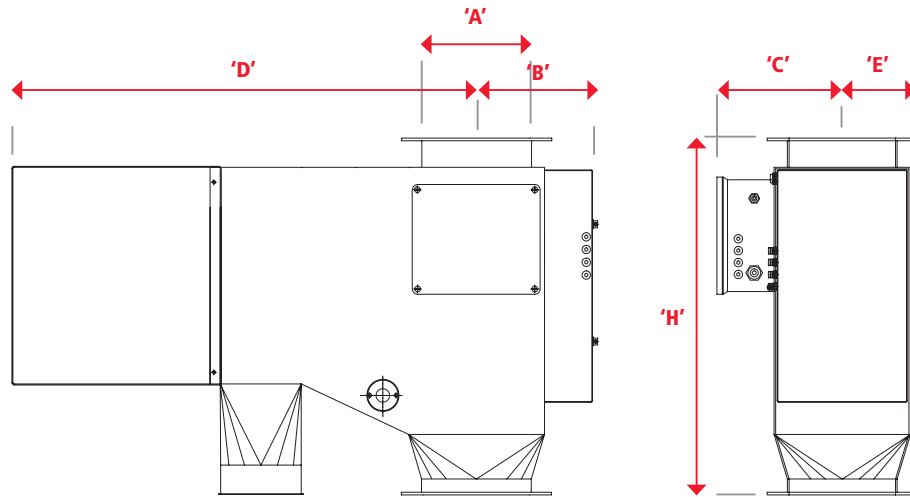


Part Number (Round)	Inlet / Outlet A (inches)	B (inches)	C (inches)	D (inches)	E (inches)	H (inches)	Number Of Rods
ASHT150	6	8	10	31	5	20	2 + 3 + 2
ASHT200	8	9	11	33	6	20	2 + 3 + 2
ASHT250	10	10	12	35	7	20	3 + 4 + 3
ASHT300	12	11	13	37	8	20	4 + 5 + 4
ASHT350	14	12	14	39	9	20	5 + 6 + 5
ASHT400	16	13	15	41	10	20	6 + 7 + 6
ASHT450	18	14	16	43	11	20	7 + 8 + 7
ASHT500	20	15	17	45	12	20	8 + 9 + 8
ASHT550	22	16	18	47	12	20	9 + 10 + 9
ASHT600	24	17	19	49	13	20	10 + 11 + 10

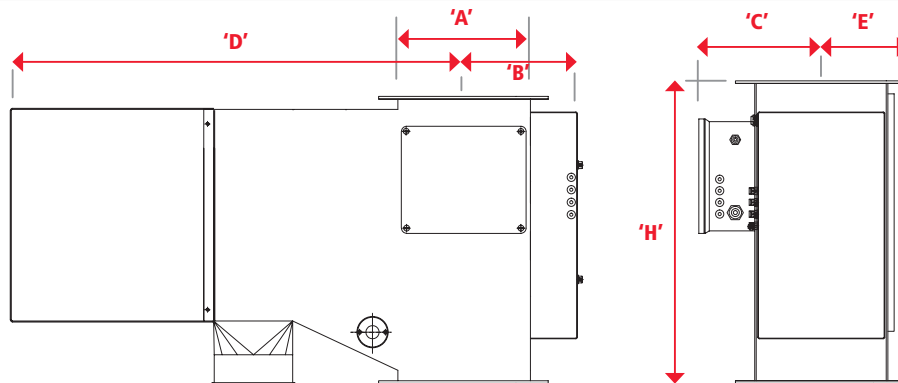


Part Number (Square)	Inlet / Outlet A (inches)	B (inches)	C (inches)	D (inches)	E (inches)	H (inches)	Number Of Rods
ASHT1515	6	7	9	32	5	18	1 + 2 + 1
ASHT2020	8	8	10	34	6	18	2 + 3 + 2
ASHT2525	10	9	11	36	7	18	3 + 4 + 3
ASHT3030	12	10	12	38	8	18	4 + 5 + 4
ASHT3535	14	11	13	40	9	18	5 + 6 + 5
ASHT4040	16	12	14	42	10	18	6 + 7 + 6
ASHT4545	18	13	15	44	11	18	7 + 8 + 7
ASHT5050	20	14	16	46	12	18	8 + 9 + 8
ASHT5555	22	15	17	48	13	18	9 + 10 + 9
ASHT6060	24	16	18	50	14	18	10 + 11 + 10

Auto-Shuttle Quadruple Row



Part Number (Round)	Inlet / Outlet A (inches)	B (inches)	C (inches)	D (inches)	E (inches)	H (inches)	Number Of Rods
ASHQ150	6	8	10	31	5	24	3 + 2 + 3 + 2
ASHQ200	8	9	11	33	6	24	3 + 2 + 3 + 2
ASHQ250	10	10	12	35	7	24	4 + 3 + 4 + 3
ASHQ300	12	11	13	37	8	24	5 + 4 + 5 + 4
ASHQ350	14	12	14	39	9	24	6 + 5 + 6 + 5
ASHQ400	16	13	15	41	10	24	7 + 6 + 7 + 6
ASHQ450	18	14	16	43	11	24	8 + 7 + 8 + 7
ASHQ500	20	15	17	45	12	24	9 + 8 + 9 + 8
ASHQ550	22	16	18	47	13	24	10 + 9 + 10 + 9
ASHQ600	24	17	19	49	14	24	11 + 10 + 11 + 10



Part Number (Square)	Inlet / Outlet A (inches)	B (inches)	C (inches)	D (inches)	E (inches)	H (inches)	Number Of Rods
ASHQ1515	6	7	9	32	5	22	2 + 1 + 2 + 1
ASHQ2020	8	8	10	34	6	22	3 + 2 + 3 + 2
ASHQ2525	10	9	11	36	7	22	4 + 3 + 4 + 3
ASHQ3030	12	10	12	38	8	22	5 + 4 + 5 + 4
ASHQ3535	14	11	13	40	9	22	6 + 5 + 6 + 5
ASHQ4040	16	12	14	42	10	22	7 + 6 + 7 + 6
ASHQ4545	18	13	15	44	11	22	8 + 7 + 8 + 7
ASHQ5050	20	14	16	46	12	22	9 + 8 + 9 + 8
ASHQ5555	22	15	17	48	13	22	10 + 9 + 10 + 9
ASHQ6060	24	16	18	50	14	22	11 + 10 + 11 + 10