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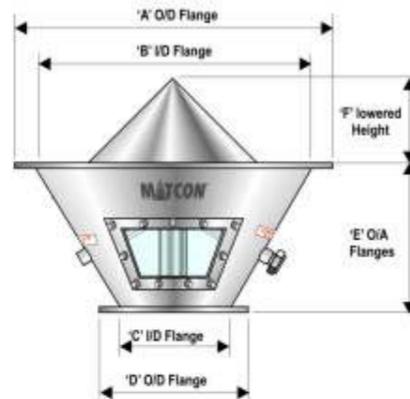
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**Discharger Valve
 (Pulsing Action with
 added Vibration)**

Matcon supply a wide range of sizes of Discharger Valves for silos and IBCs from 50kgs/110lbs to 10,000tonne capacity. The outlet diameter ranges from 200mm/8" upwards as required to suit the process.



Metric

Size	A mm	B mm	C mm	D mm	E mm	F mm	Weight kg
1B	570	480	200	280	422	243	35
2B	782	680	200	314	416	296	110
3B	1006	900	300	458	520	268	218
4B	1309	1200	595	695	575	454	415
5B	1610	1500	900	1000	595	523	475
6B	1900	1800	900	1000	879	552	550
7B	2280	2100	1500	1300	854	717	750
8B	2580	2400	1600	1600	829	875	1000

Imperial

Size	A ins	B ins	C ins	D ins	E ins	F ins	Weight lbs
1B	22.4	18.9	7.9	11.0	16.6	9.6	77
2B	30.8	26.8	7.9	12.4	16.4	11.7	242
3B	39.6	35.4	11.8	18.0	20.5	10.6	480
4B	51.5	47.2	23.4	27.4	22.6	17.9	913
5B	63.4	59.0	35.4	39.4	23.4	20.6	1045
6B	74.8	70.9	35.4	39.4	34.6	21.7	1210
7B	89.8	82.7	59.1	51.2	33.6	28.2	1650
8B	101.6	94.5	63.0	63.0	32.6	34.5	2200

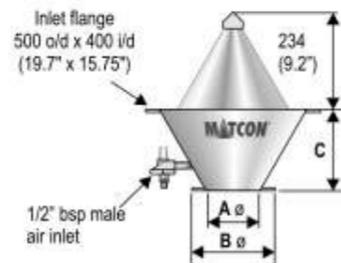
**Metering Valve
 (Pulse Action)**

Metric

A ø mm	B ø mm	C mm	Weight kg
50	150	303	20
100	200	259	20
150	250	217	20
200	300	175	20

Imperial

A ø ins	B ø ins	C ins	Weight lbs
2	6	12	44
4	8	10.2	44
6	10	8.5	44
8	12	6.9	44



**SILO/HOPPER
 DISCHARGER VALVES**



**Complete Material Control
 Without Additional Equipment**

This information and data is provided for illustrative purposes only and does not form part of any contract or agreement. The information and data may be updated and changed from time to time.

SILO/HOPPER DISCHARGER VALVES

3 in 1



Chemical Industry



Agricultural Industry

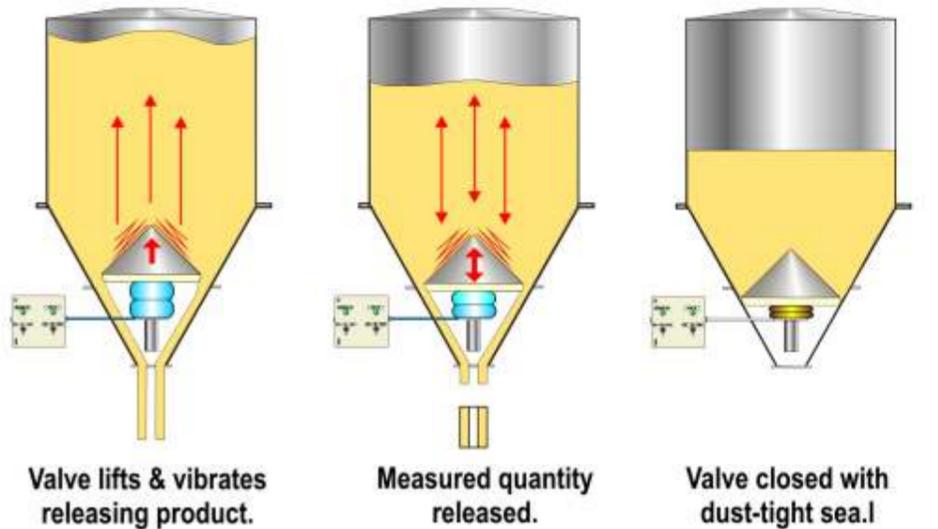


Pharmaceutical Industry

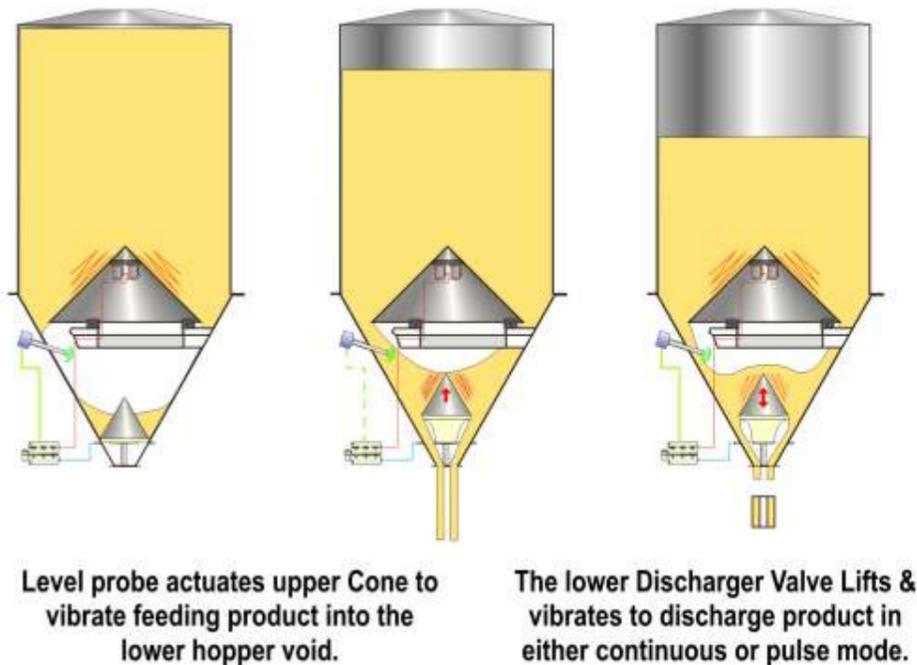


Construction Industry

Small to Medium Silo/Hoppers



Medium to Large Silo/Hoppers



Typical Problems

Flushing

Many free flowing products flush uncontrollably making accurate dosing impossible.



Bridging

Occurs either mechanically where particles interlock or with compression where cohesive materials consolidate during storage.



Segregation

Fine and coarse particles flow through the core at different rates, inducing segregation of blended materials.



Degradation

Granulate damage and/or particle surface erosion (dust generation) caused by product transfer.



Venting

Is required during discharge to balance pressures above and below the product.



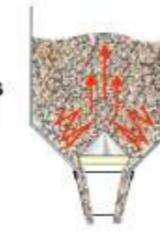
Ratholing

Ratholing (or 'core flow') occurs when the material adheres to side walls and only flows through centre of vessel.



Matcon Solutions

Matcon Cone Valve Technology provides positive valving and controlled flow.



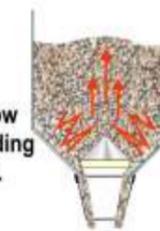
Matcon Cone Valve Technology provides powerful lifting, vibrating and pulsing action which breaks bridges.



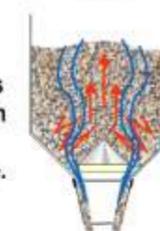
Matcon Cone Valve Technology promotes 'mass flow' discharge, ensuring 'first in' 'first out'.



Matcon Cone Valve allows material to flow by gravity thus avoiding aggressive handling.



Matcon Cone Valve Technology provides 'self venting' through the material during controlled discharge.



Matcon's Cone Valve annular gap pulls material from all parts of the vessel, preventing core flow.



1. Discharger

- ✓ Promotes complete discharge.
- ✓ Overcomes "Bridging", "Rat-holes", "Flushing" and "Segregation"
- ✓ Promotes "Mass Flow"

2. Feeder

- ✓ Controlled flow
- ✓ Accurate Dosing
- ✓ Gravimetric or Volumetric
- ✓ Eliminates the need for secondary feeders

3. Valve

- ✓ Fail safe shut off of material flow

▲ Matcon's world leading Cone Valve Technology offers unrivalled performance in bulk solids handling.

▲ Promotes discharge of even the most difficult materials from free flowing and flushing to cohesive.

▲ Round, square or rectangular configurations to fit new or existing IBCs and silos.

▲ Dust-tight with no flexible connections conforming to COSHH, DIN and FDA regulations.

CONE VALVE TECHNOLOGY