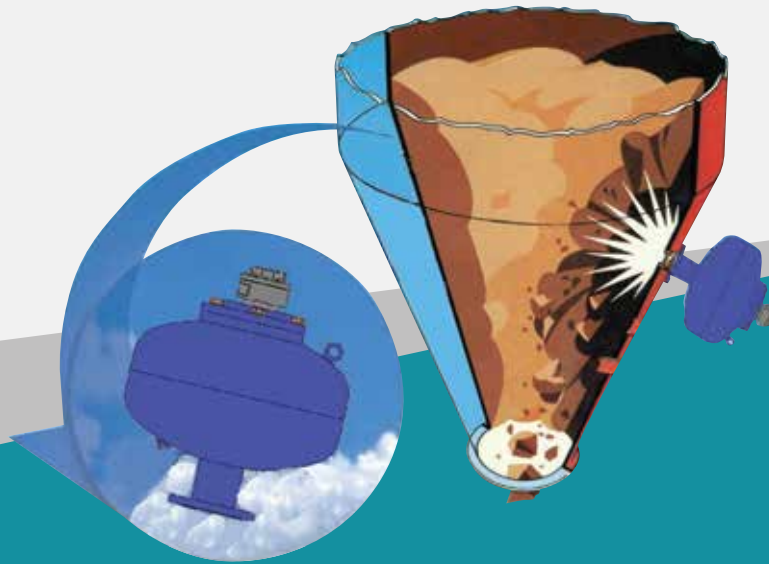


HOPPER DISCHARGE EQUIPMENT
PP5 PNEUMATIC AIR PULSE



Pneumatic air pulses have been developed for bunkers, elbows, discharge chutes, pneumatic transport lines, hoppers and similar areas with flowing problems to be used as a blockage solving mechanism.

OPERATING PRINCIPLE

Air, compacted into a tube resistant to high pressure, is stored under 2-6 bars. Stored air may be normal air or nitrogen. It is sprayed into the hopper in milliseconds within a time period adjustable with a vessel-mounted membrane valve monobloc or a separate solenoid valve and the flow is regulated as a result of disintegration of blocked and pulverized materials.

MOUNTING PLANNING

Pulse tube is established according to the inspections done on site by MDSJ engineers or information to be given by them upon customer demand.

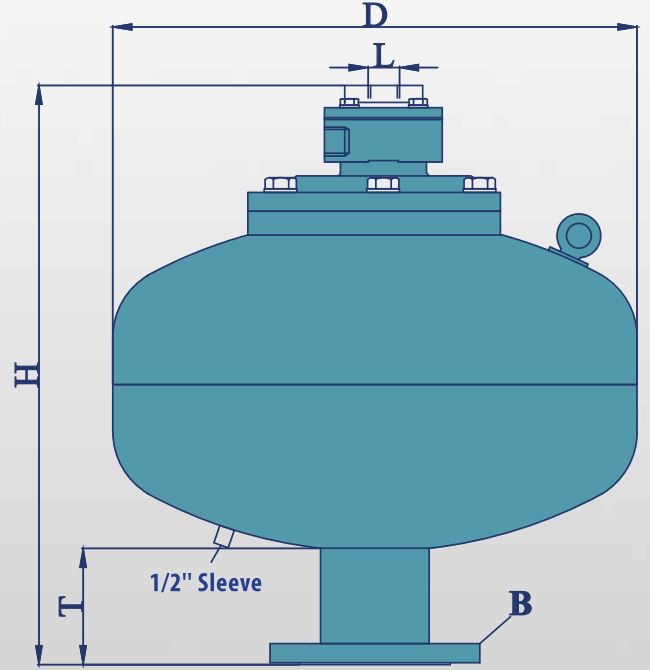
Connection should be done in downward direction with an angle of 0-45°. It should be clear that there are not any blocking objects within the spray angle of the pulse tube.

IMPACT POWER

MDSJ pulse tubes are within a range of 60 and 600 kg. Points of connection should be reinforced with these forces in mind and the pulse tube should be hung from the guard ring.

SAFETY

Inspection certificate has been awarded to pulse tubes in accordance with pressure container law. Pulse tubes are manufactured with resistance to 8 bar pressure.



ORDERING OPTIONALS

Maximum distance will not exceed 4 m and upper limit for pipe diameter will be 6 mm if pulse tube vessel is mounted onto solenoid product discharge valve, guard ring and areas out of solenoid. Timer is given optionally. They are easy to maintain. They usually do not need maintenance.

PNEUMATIC AIR PULSE							
Type	B Connection	D (mm)	H (mm)	L (mm)	T (mm)	Weight (kg)	Volume (lt)
PL-50	DN50-PN16	Ø300	550	1/4 "	100	67	50
PL-100	DN100-PN16	Ø520	980	1/4 "	100	95	100

The sizes given are for informative purposes and may not be used in manufacturing. For detailed information, contact with MDSJ.