

The **Series Diverter Valve** is a very convenient method of distributing material into multiple reception locations in a pneumatic conveying system. It is mounted onto the top of the reception hopper or silo connected to a simple rectangular flange.

A rectangular casing encloses a deflector assembly slide containing two material direction arrangements supported by an air cylinder. The air cylinder drives the deflector assembly slide between two positions.

In the up position, a deflector casting causes the material to discharge downwards into the silo or bin. In the down position, a pipe section is aligned between both inlet and outlet ports to allow the material to pass directly through the valve. Inflatable seals in each end of the pipe section prevent leakage of material into the hopper when the material is passing to a subsequent destination.

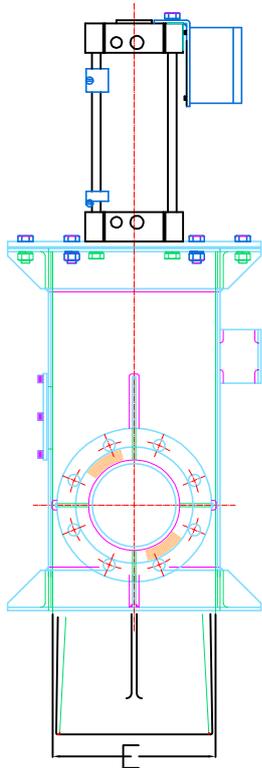
Operation of the valves is controlled by the conveying system controls, which signal for the correct valve position in response to the operator's or process requirements. The valve changes position if required at the period when the conveying pipeline is not passing material. Correct valve position is confirmed with proximity sensors for both valve positions.

## **Mactenn**

**A Macawber Group Company**

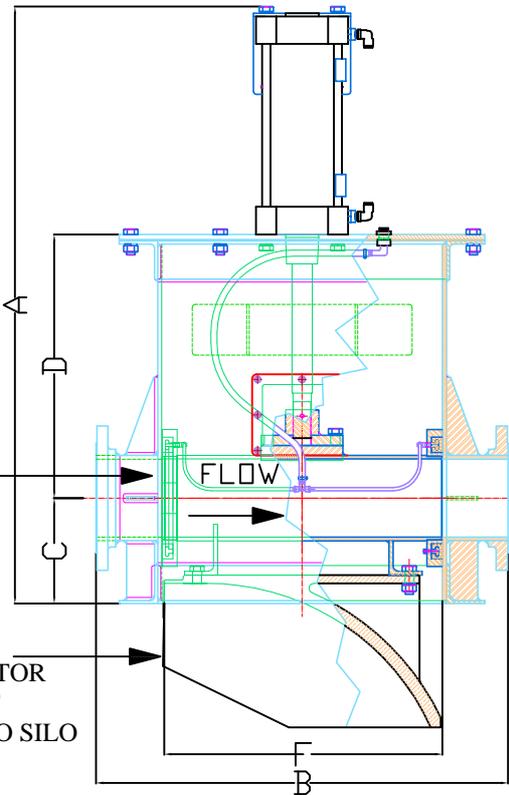
ADVANCED PNEUMATIC CONVEYING & INJECTION SYSTEMS  
VALVES FOR ABRASIVE MATERIALS AND PRESSURE DUTY  
BATCH MIXING AND INGREDIENT CONTROL  
COMPLETE BULK MATERIAL SYSTEM DESIGN AND TURNKEY SUPPLY

Unit 6 Bull Lane Industrial Estate, Acton, Sudbury, Suffolk, CO10 0BD, ENGLAND  
E-mail : sales@mactenn.com - www.mactenn.com - Tel: +44 (0)1787 882422 - Fax: +44 (0) 1787 882433



THROUGH SECTION  
ALIGNED TO  
BY-PASS VALVE

DOWNWARD DEFLECTOR  
ALIGNED WITH INLET  
FLANGE TO FEED INTO SILO



MODEL (PIPE SIZE)	DIMENSIONS (MM)						NET WT. (KG)
	A	B	C	D	E	F	
50mm	587	370	100	238	151	230	50
80mm	654	457	122	270	200	286	84
100mm	651	495	127	262	200	286	93
125mm	892	562	152	403	233	284	116
150mm	1003	806	208	438	300	549	220
200mm	1207	851	230	543	321	600	367
250mm	1492	1099	291	714	419	749	501
300mm	1597	1219	337	724	508	940	542
350mm	1858	1352	322	830	608	972	911

INFORMATION NOT CERTIFIED FOR INSTALLATION PURPOSES

**Mactenn**

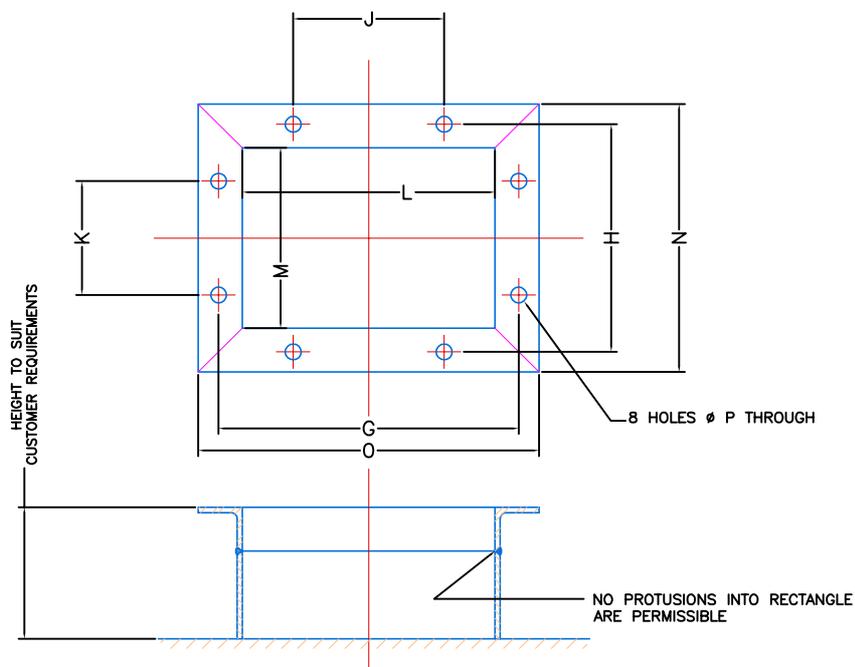
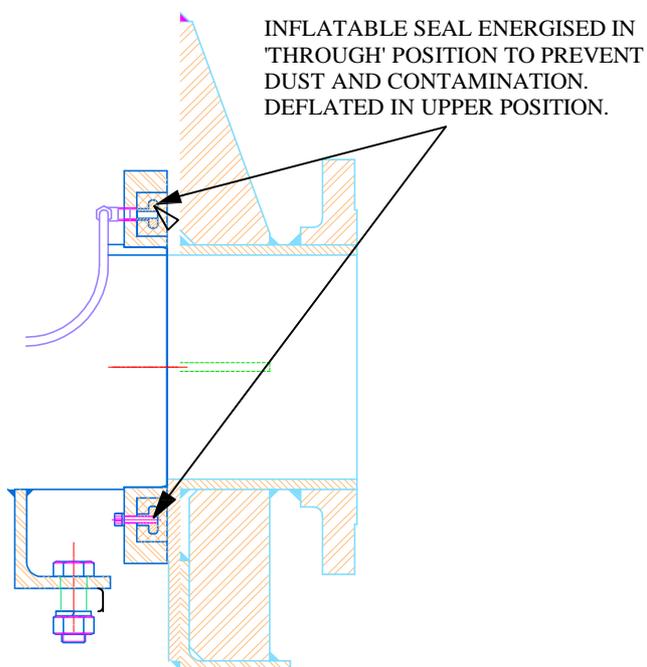
**A Macawber Group Company**

ADVANCED PNEUMATIC CONVEYING & INJECTION SYSTEMS  
VALVES FOR ABRASIVE MATERIALS AND PRESSURE DUTY  
BATCH MIXING AND INGREDIENT CONTROL

COMPLETE BULK MATERIAL SYSTEM DESIGN AND TURNKEY SUPPLY

Unit 6 Bull Lane Industrial Estate, Acton, Sudbury, Suffolk, CO10 0BD, ENGLAND

E-mail : sales@mactenn.com - www.mactenn.com - Tel: +44 (0)1787 882422 - Fax: +44 (0) 1787 882433



MODEL (PIPE SIZE)	DIMENSIONS (MM)								
	G	H	J	K	L	M	N	O	ØP
50mm	280.0	200.0	160.0	120.0	240.0	160.0	240.0	320.0	14.0
80mm	340.0	260.0	170.0	130.0	292.0	212.0	312.0	392.0	18.0
100mm	340.0	260.0	170.0	130.0	292.0	212.0	312.0	392.0	18.0
125mm	444.0	292.0	242.0	140.0	394.0	242.0	342.0	494.0	18.0
150mm	670.0	400.0	320.0	230.0	565.0	316.0	466.0	715.0	18.0
200mm	720.0	440.0	360.0	250.0	600.0	322.0	472.0	750.0	18.0
350mm	1062.0	700.0	177.0	175.0	992.0	588.0	768.0	1172.0	18.0

INFORMATION NOT CERTIFIED FOR INSTALLATION PURPOSES

**Mactenn**

**A Macawber Group Company**

ADVANCED PNEUMATIC CONVEYING & INJECTION SYSTEMS  
 VALVES FOR ABRASIVE MATERIALS AND PRESSURE DUTY  
 BATCH MIXING AND INGREDIENT CONTROL  
 COMPLETE BULK MATERIAL SYSTEM DESIGN AND TURNKEY SUPPLY

Unit 6 Bull Lane Industrial Estate, Acton, Sudbury, Suffolk, CO10 0BD, ENGLAND  
 E-mail : sales@mactenn.com - www.mactenn.com - Tel: +44 (0)1787 882422 - Fax: +44 (0) 1787 882433