

The **Variflo** is a unique development for controlled line loading of dense-phase pneumatic conveying systems. Designed for long distance conveying with the highest line loading for economical use of conveying air and lowest feasible material velocity.

Variable line loading is achieved with an outlet **Dome Valve®**, which modulates its open position from signals indicating pipeline back pressure. The **Dome Valve®** modulation regulates the allowable line loading for maximum effect for the available conveying pressure.

This method of line loading is essential for automatic self regulating conveying efficiency when conveying distances are long. The modulation process prevents high back pressure from line overloading and also prevents loss of efficiency when the line is too lightly loaded. This is a unique Macawber development that has not been repeated by others.

No pipeline boosters are required which are unnecessary for a controlled low material velocity through the pipeline and would upset the auto line loading. This saves further maintenance and the cost of running air lines to the booster connections.

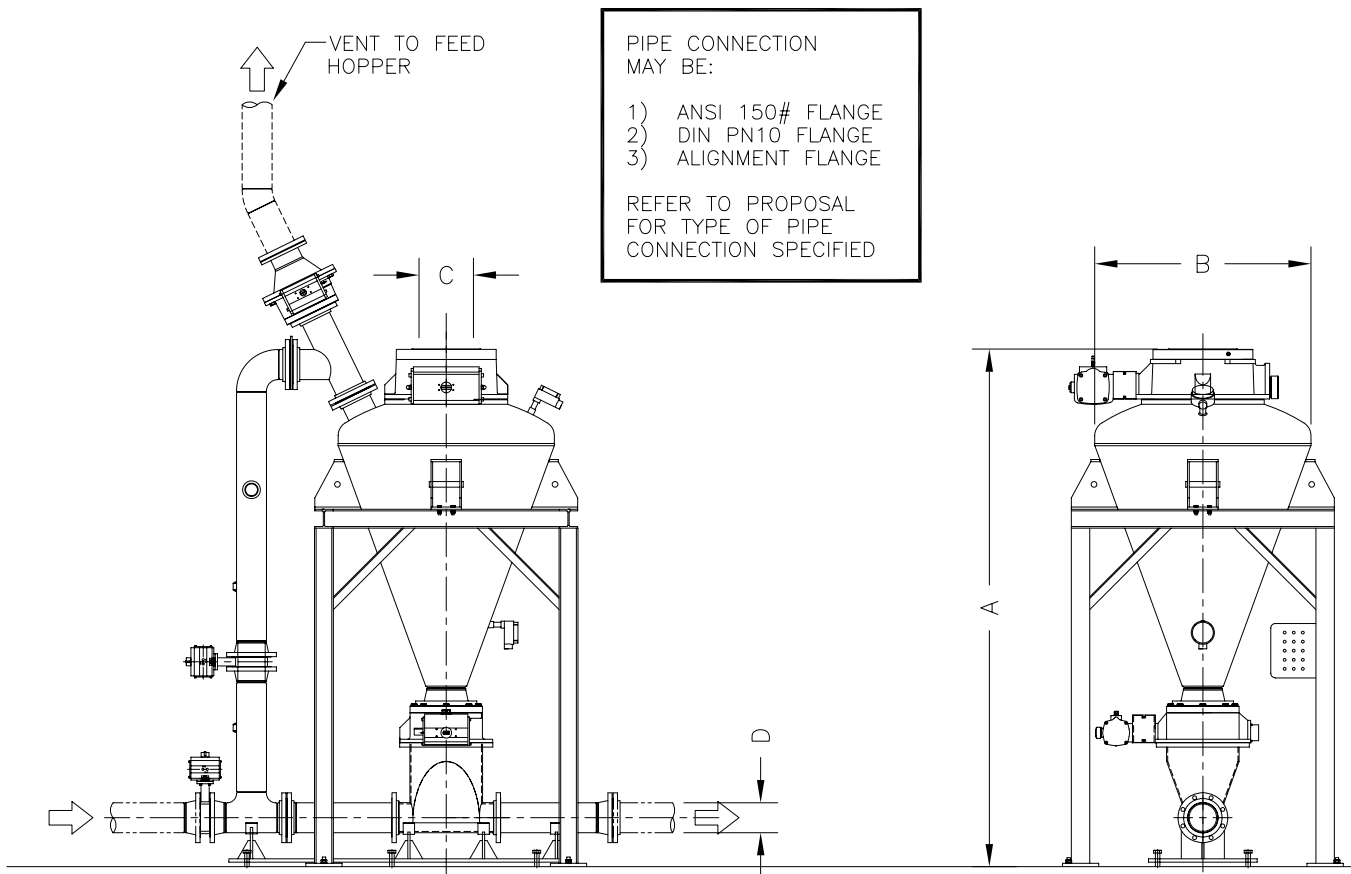
The system design and components are subject to continuous development and improvement for lower product cost and performance.

FOR FURTHER PLANNING INFORMATION (DIMENSIONS/WEIGHTS) PLEASE CONTACT US

Macawber
Engineering Inc.,

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

VARIFLOW® TRANSPORTER



(10-03-r6)

The Variflo® comes completely assembled with **Dome Valve II®**, electro-pneumatic controls and air supply piping, and control equipment incorporated for connection to supply. All controls are prewired and tested. Local start/stop switch provided.

Alternative vessel contact materials available are carbon steel, stainless steels or high build, epoxy-coated carbon steel.

Installed vessels are normally free standing, special foundations are not required. NOTE: install vessel with a 25mm jacking allowance.

Service Requirements:

- Conveying Air Refer to appropriate material performance graph or proposal
- Control Air 0.8 Nm³/min of free air at 6-7 barg
- Power 5 Amps, 60 Hz, 120 Volts

MODEL	DIMENSIONS (mm)				NET WEIGHT (kg)
	A	B	C	D	
3/4/2	1168	610	100	50	250
7/8/3	1549	838	200	80	435
12/8/4	1676	914	200	100	535
18/12/5	1956	914	200	125	885
26/12/6	2057	991	300	150	1210
46/12/8	3327	1213	300	200	1690
100/12/8	3607	1829	300	200	2785

INFORMATION NOT CERTIFIED FOR INSTALLATION PURPOSES