

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.

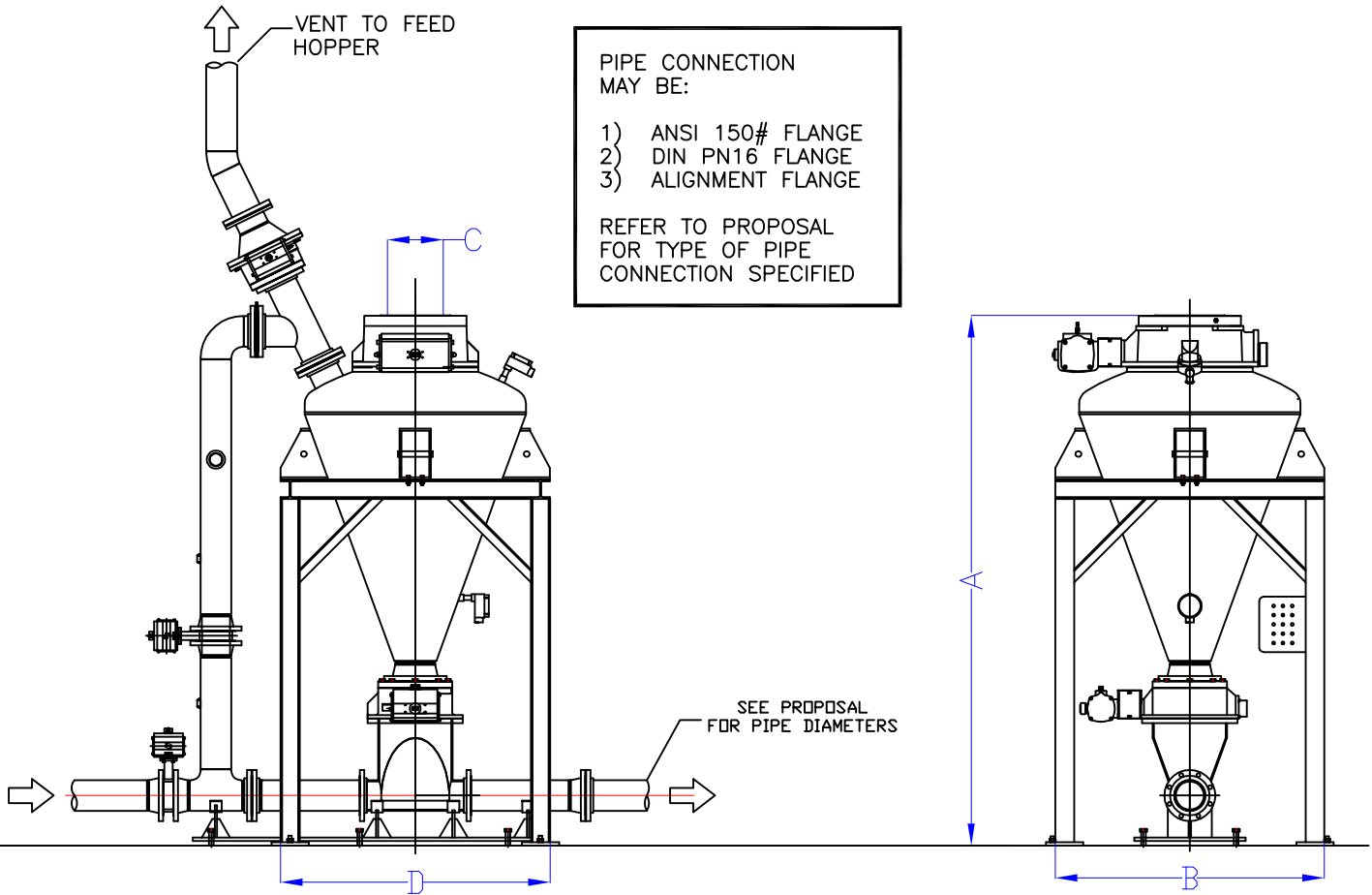
No pipeline boosters are required which are unnecessary for a controlled low material velocity through the pipeline and would upset the auto line loading. This saves further maintenance and the cost of running air lines to the booster connections.

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

## 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



**Service Requirements:**

- Conveying Air Refer to appropriate material performance graph or proposal
- Control Air (3 scfm<sup>3</sup> /min) of free air at 6-7 barg
- Power 5 Amps, 60 Hz, 120 Volts

MODEL	DIMENSIONS (INCH)				NET WEIGHT (LBS)
	A	B	C	D	
3/4	46	30	4	30	670
7/8	61	38	8	38	1166
12/8	66	42	8	42	1433
18/12	77	42	12	42	2371
28/12	81	45	12	45	3242
46/12	134 5/8	54	12	54	4527
100/12	142	78	12	78	7461
150/12	181	82	12	82	8105
200/16	209	90	16	90	9410
300/16	248	98	16	98	9695

INFORMATION NOT CERTIFIED FOR INSTALLATION PURPOSES

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