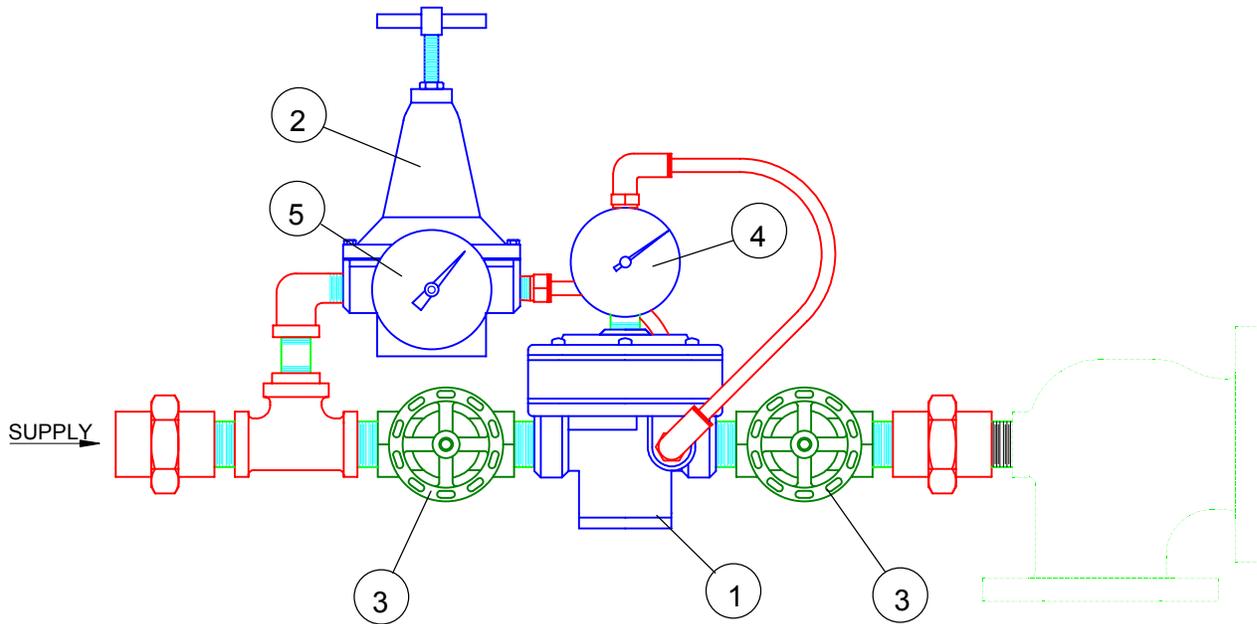


DENSE FLOW ANTI-PLUG BOOSTER



ITEM #	DESCRIPTION
1	PILOT RELIEF VALVE
2	PILOT REGULATOR
3	GATE VALVE
4	GAUGE, 0-60 PSI
5	GAUGE, 0-100 PSI

SIZE	PART #
1/2"	DF02104 X 99
1"	DF02105 X 99

THE DENSE FLOW ANTI-PLUG BOOSTER is an air controlled device which can be used to help prevent plugging of the conveying line or can also be used as booster air to the conveyor line. When using the Anti-plug Control for preventing plugging of the conveying line, the pressure on the device would be set at a pressure slightly higher than the normal conveying pressure at the Pump Vessel. The device would then sense the pressure in the line and if the material and the pressure in the conveying line are operating normally then the Anti-Plug Booster would not operate; however, if the pressure in the line started to rise above the set pressure caused by material slow down in the pipeline then the Anti-Plug Booster would come on to clear the line. The Anti-Plug Booster can also be used as a constant boost to the material in the conveying line, due to material characteristics or extended conveying distances, the set pressure for the control would be somewhat less than the normal operating pressure of the system as indicated by the operating pressure in the Pump Vessel. This would mean that the Anti-Plug Booster would come on at a reasonably low pressure and maintain the set volume of air flow into the material and the conveying pipeline to create added fluidization of the material. The booster would shut off after all of the material had been conveyed to the receiving bin and shut-off when the pressure fell below the set pressure of the Anti-Plug Booster.

NOTE: Specifications and dimensions subject to change.