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Bulk Material Conveying System and Method



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Abstract

Bulk material conveying system 10 and method are provided. The system 10 comprises a pressurised silo 20 for storing the bulk material 12. An outlet 22 with a first control valve 30 regulates the flow rate of the bulk material into a third port 46 of a material transfer block 40. The first port 42 of transfer block is pneumatically joined by a first compressed air line 52 to the silo 20. Air in the first compressed air line 52 is regulated by a second control valve 48 to flow into the first port 42 of the transfer block 40 and to flow out through the second port 44. The compressed air carries with it the bulk material 12 which has entered the transfer block 40 through the third port 46. The bulk material is then delivered through a delivery hose 90 for distribution downstream of the system 10.