



ISU Integrated Storage Unit

The ISU Silo is a dry powder bulk storage of polymer for numerous industries and applications.
Standard polymer Silo capacities are 15, 25 & 35 tonnes.

The unit comprises: safety rails, earthing system, explosions relief vent, mechanical shaker filter, inspection hatch, delivery inlet pipework, high level paddle switch, load cells, level indicator, powder low level switch. Also included is one fully automatic powder preparation unit, type AW100 comprising an intermediate hopper, screw feeder, powder receiver, blower and control panel all mounted within the power storage / feeder module. JetWet™ head assembly complete with solenoid valve, pressure switch and pressure gauge.

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Technical Specifications

Dimensions	Based on 3.1m diameter
Capacity	15, 25 & 35 tonnes

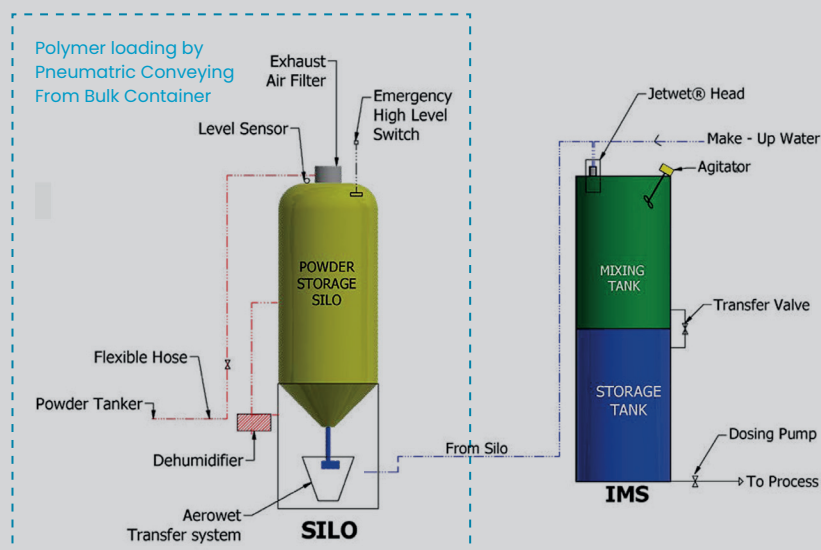
Service Requirements:

Voltage Range	3ph/50hz power supply - most standard voltages can be catered for
Water Requirements	Potable water, dependant upon size of make up
Accessories:	Mixing tank with stirrer transfer pump or transfer gravity valve, storage tank & dehumidifier system

Operation:

Polymer is fed from the storage hopper via a screw feeder at a constant rate into an air stream from the blower. Air conveys the powder via the JetWet™ dispenser into an agitated mixing tank. After a predetermined time agitation stops and the polymer solution is transferred by the dump valve under the control of the storage tank level sensors. The cycle is then repeated.

- Fully automatic operation
- Standard or high capacity AeroWet™ and JetWet™ disperser
- Screw feeder / blower assembly housed within a silo skirt
- Other Silo & hopper sizes available on request
- Dedicated control panel – options to suit customer requirements
- Dehumidified air for conditioning silo storage of polymer
- Low maintenance
- Proven design
- Level display
- Dust prevention during filling by automatic dust filter
- Safety rails and access ladder or access staircase
- Explosion Relief vent (if required)
- High level paddle switch
- Completely free standing for outdoor use
- When used with integrated tank unit (IMS) provides complete outdoor installation
- More economic use of polymer
- Consistent and repeatable polymer solutions
- Minimises operator involvement
- Eliminates packaging disposal



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