

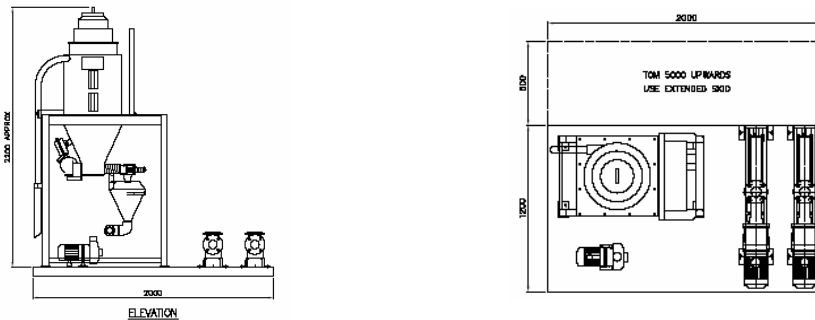


AJM SureBlend™ TOM 12000 Powdered Polymer Blending and Dosing System - Standard Specification

All AJM SureBlend™ systems are designed and manufactured in Australia.

The AJM Sureblend™ TOM Range has been designed to be a high accuracy, low maintenance powdered polymer blending and dosing system that allows a range of makeup concentrations and dosing rates to be utilised. If in doubt, please contact AJM for clarification of sizing and requirements.

Capacity 12Kg/hr @ 1:500 (0.2%) Dilution



System components

The AJM SureBlend™ TOM 12000 is supplied as a complete system incorporating the following components. These components are pre-assembled and tested prior to dispatch including all interconnecting plumbing and wiring. The units are typically shipped in 3 sections and minor site re-assembly is required.

Standard specification

Item	Standard specification	Option
Fabricated components		
Polymer Hopper, Feeder and Frame	Carbon steel SS 1312, (FE 360 BFN), painted with 40 µm alkyd primer and 80 µm acrylic top coat.	
Transfer and Dosing Pump Skid	304 stainless steel	316stainless steel
Polymer Blending Tank	Polyethylene	
Polymer Storage Tank	Polyethylene	
Dissolver Cone	304 stainless steel	
Major items		
Polymer Dosing Pump	Helical Rotor 1000 to 7000L/hr adjustable via gearbox variator	Other Flow Rates Available 2 nd Dosing Pump Available
Polymer Transfer Pump	Centrifugal Stainless Wetted Parts	
Polymer Mixer	400rpm 316 Stainless Steel wetted parts	

Capacities

Size – 12Kg/hr @ 1:500 (0.2%)

Dilution Range – 1:1000 (0.1%) to 1:200 (0.5%)

Retention – Makeup – 5600L

- Ageing – 5600L

Electrical

AJM design and manufacture electrical control panels and the units are supplied prewired and tested. All electrics are IP55 to IP56 as standard.

Control Panel Specification

Item	Standard specification	Option
Type	Form 1A	
Protection	IP55	
Control system	PLC – proprietary Koyo PLC included	
Construction	Epoxy coated mild steel	316 Stainless Steel
Alarm System	Audio/Visual with audio Cancel	

Services Required

Power Supply	20A 415VAC + Neutral and Earth
Mains Water	2" supply, 600kPa, with backflow protection
Protection	Unit should be located in a dry area out of weather.

Wetting System

The AJM SureBlend™ TOM 12000 utilises a purpose designed feeder with a helical worm geared motor driving twin screws and an outlet gate to prevent moisture from reaching the polymer powder. The dissolver cone is a Tomal Ø 300 with a water ejector to thoroughly mix and transport the solution to the preparation tank.

This system guarantees full individual wetting of the powder granules (thus insuring the absence of “fish eyes”).

Options

- Upgrade of skid to 316 Stainless Steel
- Upgrade of panel to 316 Stainless Steel
- 2nd Dosing Pump (configured duty/standby or individual duty)
- 5000mL Calibration Cylinder for dosing pumps
- Upgrade Of Hopper to 100 or 200L
- Powder Vacuum Unloading Unit (for dust free handling of polymer)
- Hopper High and or Low Level Switches/Alarms
- Automatic Secondary dilution
- Dosing Pump Low Flow Alarm

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Disclaimer: This specification sheet has been created with the greatest care and attention however it is possible that some information is either incomplete or out of date. AJM are continuously updating and improving our products and services. Please contact our offices for more detailed or updated specifications as we cannot be held responsible for any errors resulting from the use of the information supplied herein.