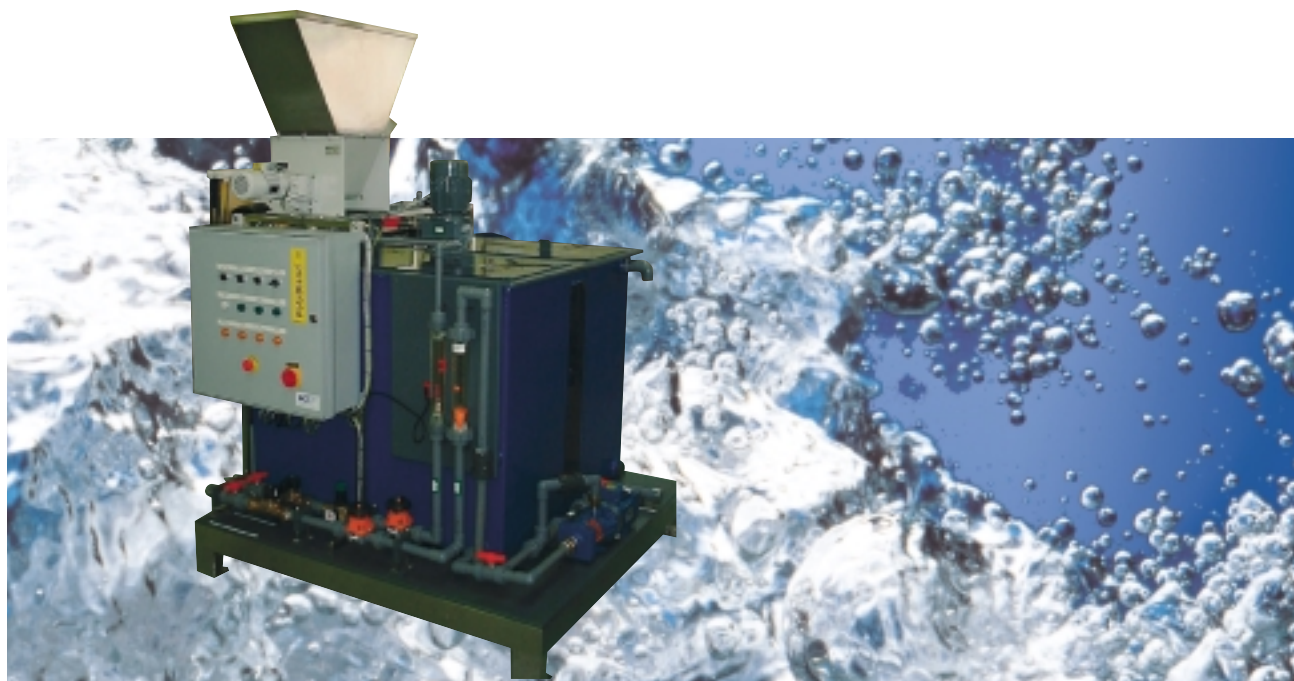


# POLYBLEND® DP 5 VMZ

## DATA SHEET

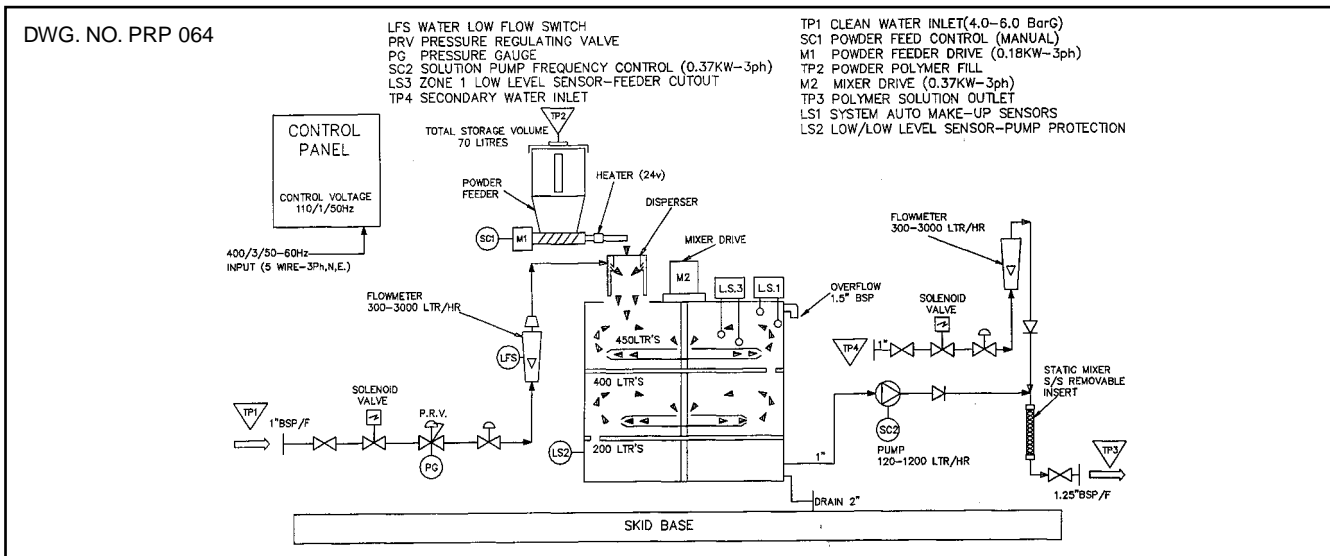
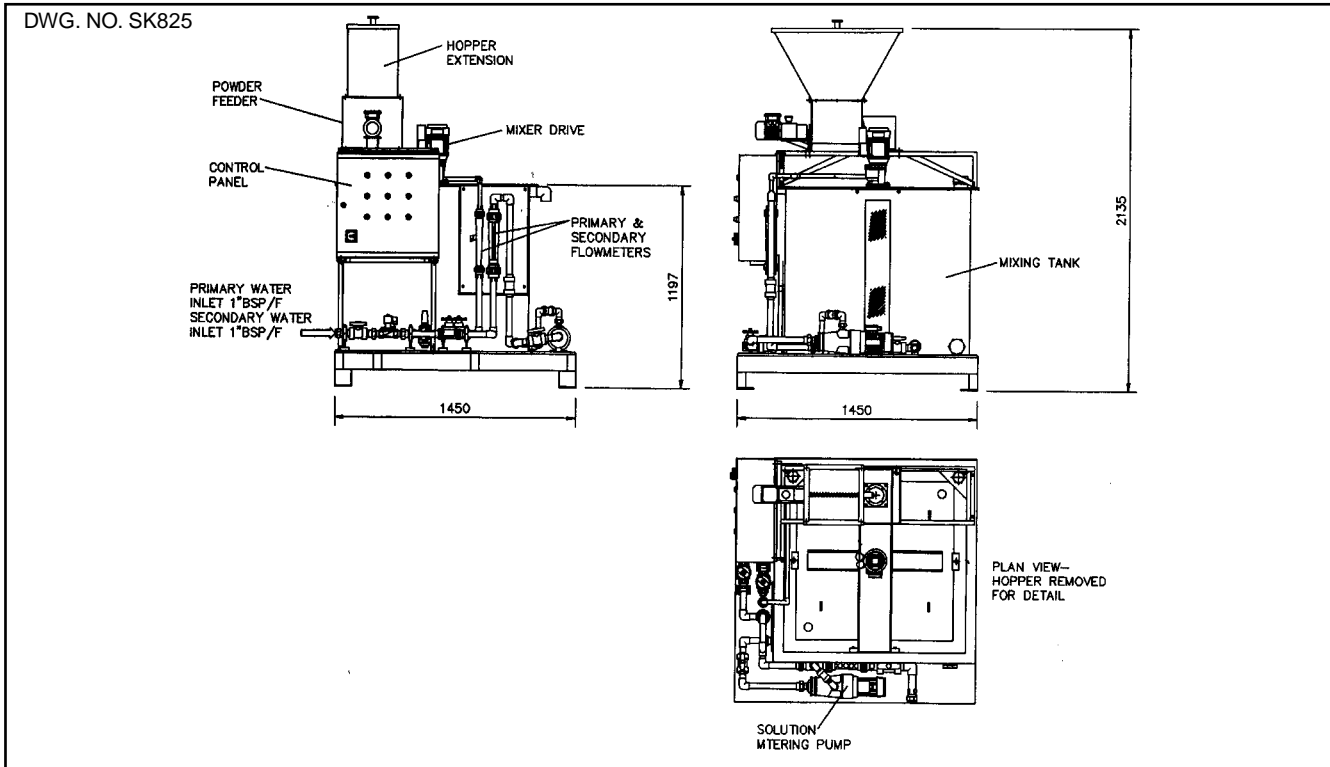


### PROFILE

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*The system is well proven in the field with results showing efficient use of the polyelectrolyte using various manufacturers products.*

- Square profile, 3 zone dissolution tank with motor driven geared shaft drive to the three zones. Mixer blades are 304 SS smooth profile, open lateral blades designed by Stranco specifically for polymer dissolution. Energy in Zone 1 being greater than tip speed in Zone 2. The third zone leads to pump suction of this prepared concentrate.
- PVC-u/GRP powder hopper (50kg) with clear section for level indication.
- Powder feeder with mechanical gear change for output speed variation and heater on the helical screw feed tube. Coated steel construction.
- High energy dispersion unit for initial powder/water contact constructed from machined PVC-u.
- Primary water controls including pressure regulating valve, manual rate set valve, variable area flow indicator with low flow switch. Flowrate to be set 800 l/hr min, 1200 l/hr max.
- Secondary dilution water system for the metered concentrate consisting of manual rate set valve, variable area flow indicator and static mixer
- 110-1100 l/hr Progressive Cavity Concentrate metering pump (4 bar G maximum as standard) and frequency inverter controls for either manual dial or 4-20mA pump output control.
- Control panel to IP55 classification with isolator, run light, machine on switch, common trip light, low water flow light. Volt-free terminals for common alarm. Supply voltage 415V, 3ph, 50/60 Hz. (5 wire)



LFS	Water Low Flow Switch	SC1	Powder Feed Control (Man)
PRV	Pressure Regulating Valve	M1	Powder Feed Drive (0.18kW - 3ph)
PG	Pressure Gauge	TP2	Powder Polymer Fill
SC2	Solution Pump Frequency Control (0.37kW - 3ph)	M2	Mixer Drive (0.37kW - 3ph)
LS3	Zone 1 Low Level Sensor-Feeder Cut Out	TP3	Polymer Solution Outlet
TP4	Secondary Water Inlet	LS1	System Auto Make-Up Sensors
TP1	Clean Water Inlet (4.0 - 6.0 Bar G)	LS2	Low/Low Level Sensor-Pump Protection



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