

PolyBlend® DP105-TP Dry / Liquid Polymer Feed System

Product Sheet

SIEMENS

The PolyBlend® DP105-TP is a low cost, automated dry polymer feed system designed for applications that require less than *3.3 lbs/hr dry polymer. The DP105-TP is ideal where maximum polymer performance and simplicity is needed.

The design, which is patented in the U.S., includes a rotating impeller that allows the water to be drawn in from the top of the tank creating a vortex. The vortex carries the dry polymer into the mixing impeller where it is exposed to a high energy agitation. The high energy ensures proper activation and prevents agglomeration.

The prepared polymer solution is then ready to be fed in applications requiring batch feed, or the solution can be transferred into a feed tank for applications requiring continuous polymer feed.

The DP105-TP offers optimum polymer performance with an economical advantage.

Specifications

Electrical	240VAC, 1PH, 60Hz 460VAC, 3PH, 60Hz
Connections	Water Inlet—1" (25.4mm) Solution Outlet—1 1/2" (38.1mm)
Tank Size	75 USG (283.5 L)
*Polymer Feed	Up to 3.3lbs (1.5kg)/hr dry polymer @ 0.25%, 30 minute batch cycles
Mixer Motor	240VAC, 1 1/2HP, 1PH 460VAC, 1 1/2HP, 3PH
Tank, Cover	Fire Retardant, Fiberglass
Control Panel	NEMA® 4X FRP

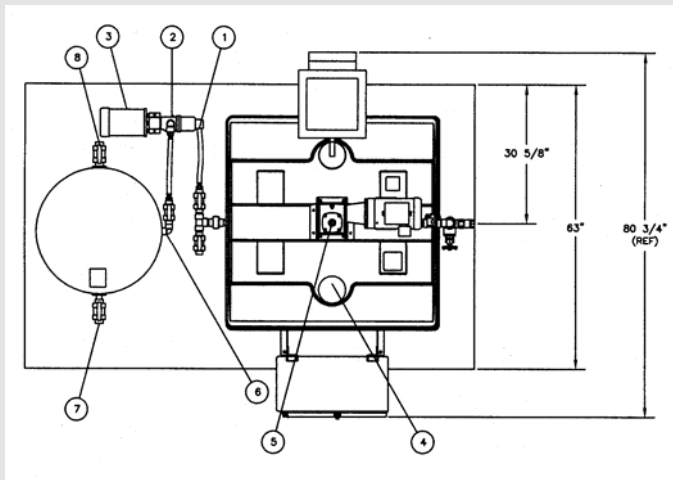
***Note:** Consult Siemens Water Technologies with regards to dosing amount and your application.



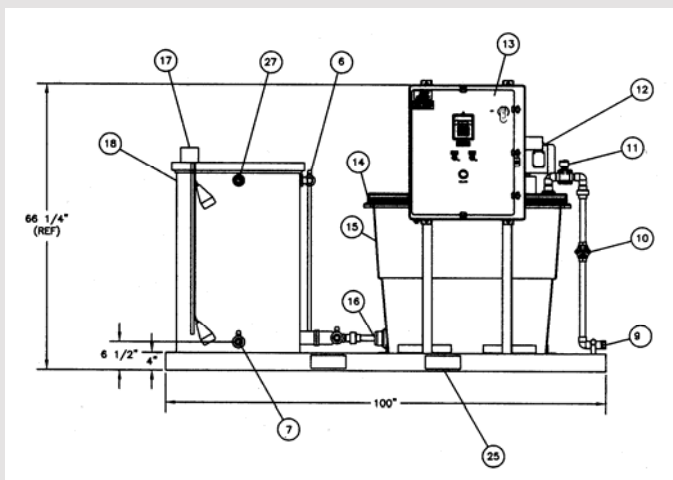
Benefits of the PolyBlend® DP105-TP:

- Consistent & Reliable Performance
- Reduced Polymer Consumption
- Automate Operation & Control
- Economical
- Reduced Operating Labor
- Field Proven
- Easy to Use
- Compact Design

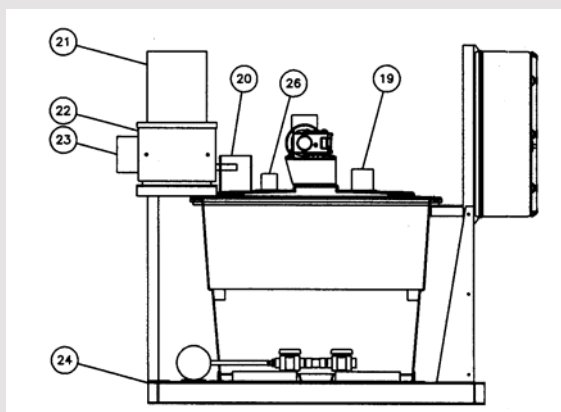
General Layout



Top View



Front View



Side View

Key	Description	Material
1	Inlet, Transfer Pump 3/4" NPT (19mm)	
2	Discharge, Transfer Pump 3/4" NPT (19mm)	
3	Transfer Pump, Progressive Cavity, 15GPM (56.8 LPM)	
4	View Port	Clear Acrylic
5	Speed Reducer, Worm Gear, 15:1	Cast Iron
6	Tank Inlet, 3/4" (F)NPT (19mm)	Sch. 80 PVC
7	Tank Discharge, 1-1/2" (F)NPT (38.1mm)	Sch. 80 PVC
8	Tank Drain, 1" (F)NPT (25.4mm)	Sch. 80 PVC
9	Water Inlet, 1" (F)NPT (25.4mm)	Sch. 80 PVC
10	Flow Control, Globe Valve 1" (25.4mm)	Sch. 80 PVC
11	Solenoid, Water Inlet	Brass
12	Motor, Tank Mixer 1.5 h.p., 1750 RPM	Washdown Duty
13	System Control Panel, NEMA® 4X	FRP
14	Cover, Mix Tank	Fiberglass
15	Mix Tank, 75 GPH (283.5 LPH)	Fiberglass
16	Discharge, Mix Tank, 1-1/2" Socket (38.1mm)	PVC
17	Level Switch Assembly, Hold Tank	
18	Hold Tank, w/Cover and stand 100 Gal. (378.5 L)	HDPE
19	Level Control Switch Assembly, Mix Tank	
20	Feeder Barrel	Clear Acrylic
21	Hopper, 1 cu/ft (0.03 cu/m)	304 SS
22	Powder Feeder	304 SS
23	Feeder Speed Control Panel	304 SS
24	Skid, 100" (2540mm) x 63" (1600.2mm) x 4" (101.6mm)	304 SS
25	Fork Lift Cut Out	
26	Mix Tank Overflow Float	
27	Tank Overflow 1" (25.4mm)	Sch. 80 PVC

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The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.

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