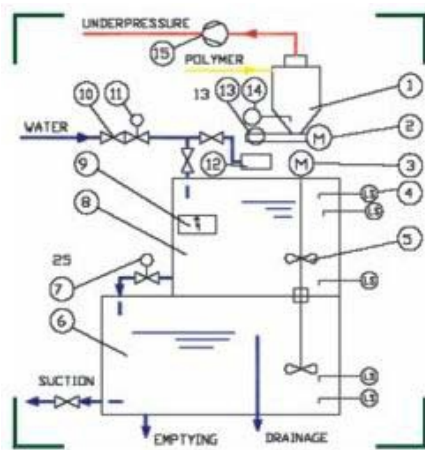


EKOSEP® PMU Series Automatic Polymer Make-up Unit

EKOSEP® PMU automatic polymer make-up unit was designed for continuous batch operationa. Dry polymer powder is fed automatically by a screw feeder. Clog-free polymer solution (from 0.05% to 0.5%) is guaranteed by a dispersion head.



- 1.Hopper
- 2.Powder dosing screw
- 3.Agitator
- 4.Level sensor
- 5.Oar
- 6.Dosing tank
- 7.Transfer valve
- 8.Dissolve tank
- 9.Control panel
- 10.check valve
- 11.Magnetic valve
- 12.water distributor
- 13.Heater
- 14.Level sensor
- 15.Vacuum pump



TECHNICAL DATA

Type	PMU05	PMU1	PMU2	PMU3	PMU4	PMU5	PMU5f	PMU10
Length (mm)	1100	1600	2100	2200	2200	2400	4000	5200
Width (mm)	750	1000	1500	1500	2000	2200	2400	2430
Height (mm)	2550	2550	2930	3300	3950	3950	3300	4050
Weight (kg)	280	450	600	750	1800	1800	2100	3900
Normal Flow (m3/h)	0.5	1.0	2.0	3.0	5.0	5.0	5.0	10.0
Storage Volume (m3)	0.6	1.1	2.1	3.1	5.0	5.0	5.0	10.0
Power (kw)	0.93	1.28	1.28	1.68	2.38	2.38	8.5	12.5

(DS load is varietal in different fields)



PMU Advantages:

- Optimal ageing time based on controlled batch principle
- Automatic, remote or local control options available
- Continuous batch operation
- Easy selection of different solution concentration
- Easily adapted for special requirement
- Special volume dimension available
- Standard volume from 0.5 to 10 m³/h
- Optional vacuum conveyor
- Optional dilutor
- Stainless steel construction
- Low maintenance cost
- Low operational cost

- * **standard volumes from 0,5 to 10 m³/h**
- * **optional vacuum conveyor**
- * **optional dilutor**
- * **stainless steel construction**
- * **low maintenance costs**
- * **low operational costs**

Polymer consumption chart

Sludge type	kg/1 ton DS
Activated sludge	3-5
Mixed sludge	2-4
Digested sludge	1.5-3
Mechanical & Chemical sludge	1.5-4
Fiber sludge	0-1.5
Fiber + biosludge	1-4
Ferrous/metallic sludge	1-2