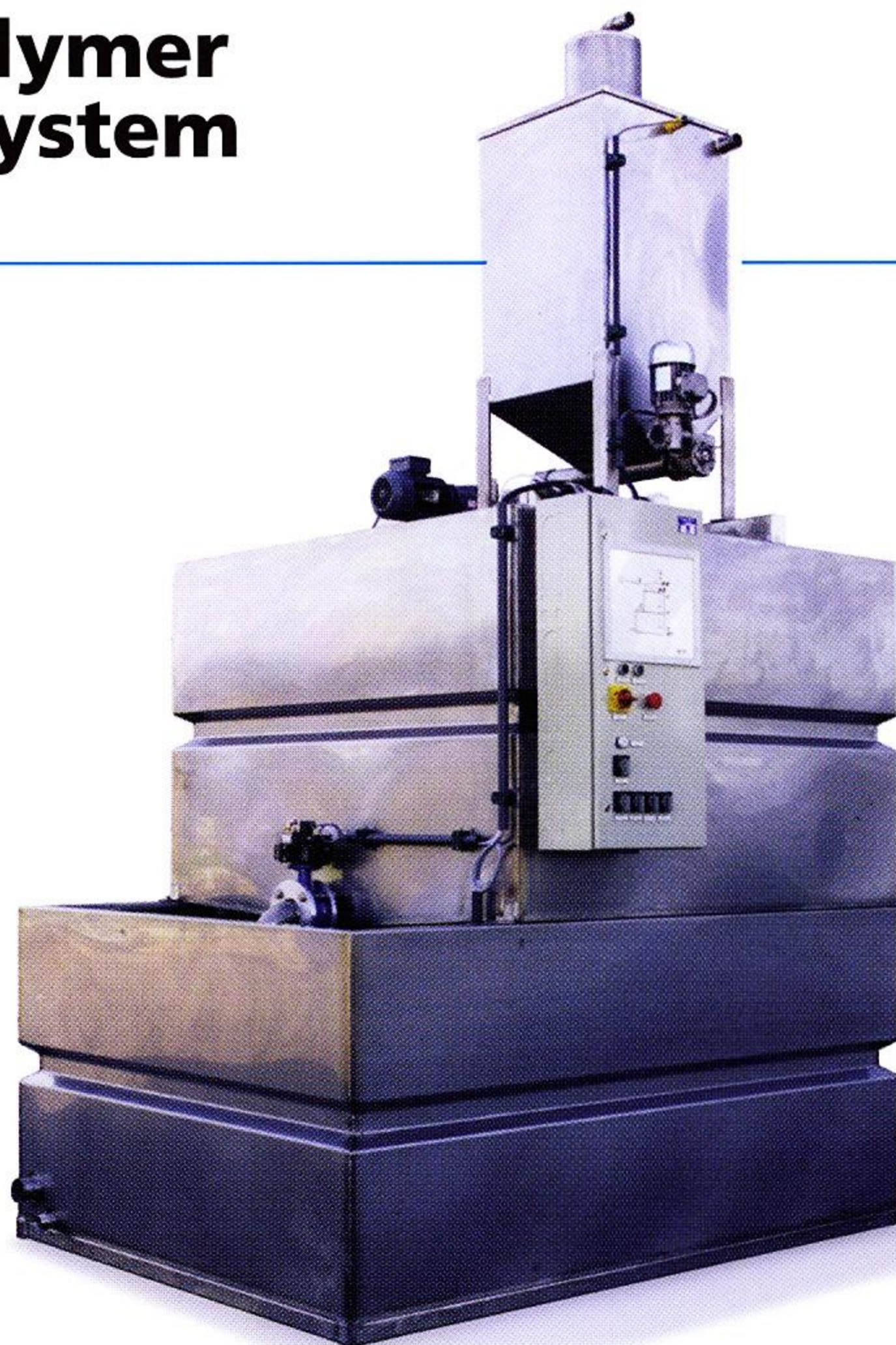


Automatic Polymer Preparation System

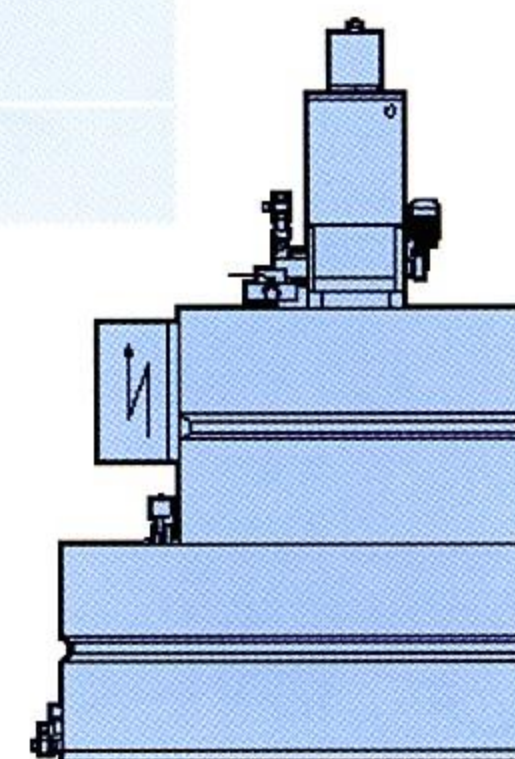
The Dewa A-P automatic polymer preparation system is suitable for sludge dewatering as well as other similar applications (e.g. P&P processes). The preparation principle is batch process, hence it prepares batches automatically for continuous operation. The A-P unit is designed to use dry powder type polymer for the preparation. The feeding of the powder is done by an automatic screw feeder. It is also equipped with a dispersion head (wetting device) which gives an effective dispersion to achieve clog-free polymer solution. The A-P is capable of preparing solution with strengths from 0.05 to 0.5%. Standard capacity alternatives of 1,2,3,4,5 and 10m³/hour are available. Best possible materials such as all stainless steel body construction and 5 different polymer silo and tank alternatives, precise heat and humidity control makes it really flexible. Numerous installations worldwide have demonstrated the performance and reliability of the A-P polymer system.



- **Reliable construction with efficient dispersion**
- **Optimal ageing time based on batch principle**
- **Prepares batches automatically for continuous operation**
- **Easy choice for different solution strengths**
- **Easy modification for special volume requirements**
- **High quality corrosion-free materials and components**
- **Big Bag arrangement available for all models**
- **7 standard models**
- **Can be tailored for special requirements**
- **Automatic, remote or local control possibility**

POLYMER CONSUMPTION CHART

Type of sludge	kg/tDS
Activated sludge	3-5
Mixed sludge	2-4
Digested sludge	1,5-3
Mechanical & chemical sludge	1,5-4
Fibre sludge	0-1,5
Fibre + bio sludge	1-4
Ferrous/metallic sludge	1-2



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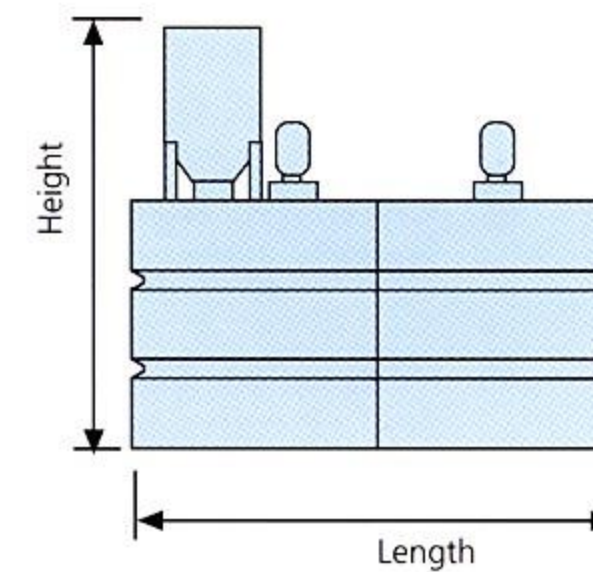
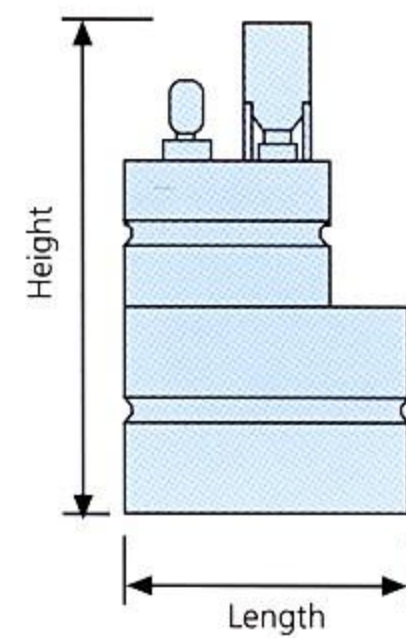
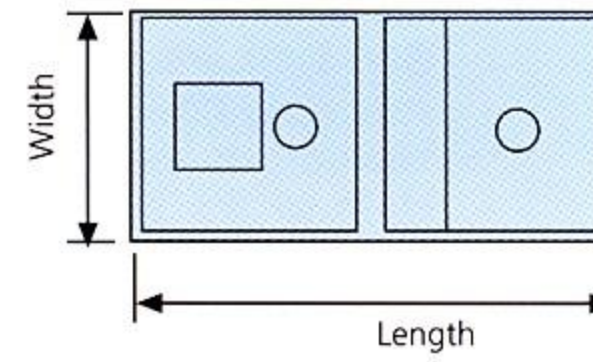
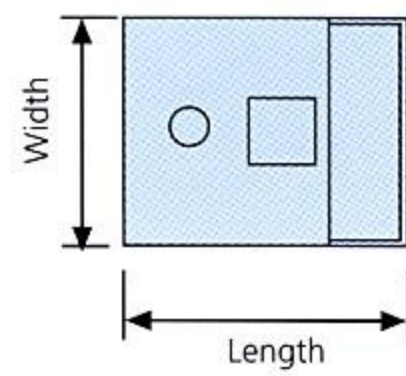
Automatic Polymer Preparation System

AUTOMATIC POLY PREPARATION SYSTEM DIMENSION CHART

Models	A-P 05	A-P 1	A-P 2	A-P 3	A-P 4	A-P 5	A-P 5*	A-P 10*
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	3600	3950	3300	4050
Weight kg	280	450	600	750	1050	1800	2100	3900
Prep. vol.m ³	0,5	1,0	2,0	3,0	4,0	5,0	5,0	10,0
Storage vol.m ³	0,6	1,1	2,1	3,1	4,1	5,0	5,0	10,0
Power kW	0,93	1,28	1,28	1,68	2,38	2,38	8,5	12,5

** Height given without vacuum cap

* Preparation and storage tanks adjoined horizontally as shown below



DWT-Engineering reserves the rights to alter these specifications.

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