General description

POLYMORE mini

is a complete and continuous machine for metering, dissolving, mixing and feeding of concentrated liquid polymers.

POLYMORE mini - Main functions

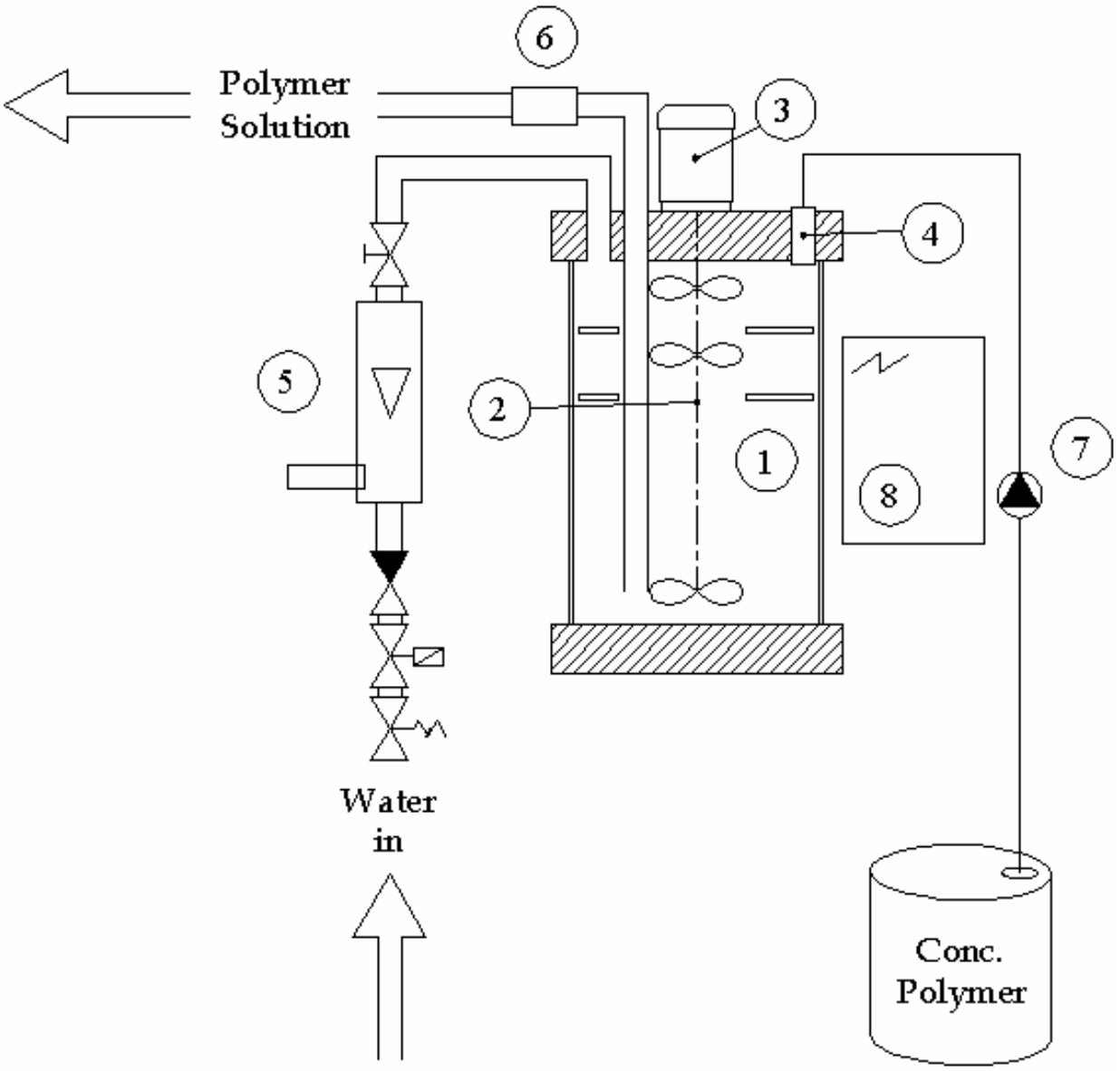
- Feeding of an adjustable flow of liquid polymer.
- Feeding of an adjustable flow of dissolving water.
- Efficient mixing of polymer and dissolving water to a homogeneous and activated polymer solution.
- Distribution of the activated, diluted polymer solution in a homogeneous concentration and in a controlled flow.

TOMAL®
METERING SYSTEMS

mini

2002-05-28

Process drawing



TOMAL®
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Technical description

Item 1 **Mixing chamber**
consist of a PP cylinder fixed between gables in POM-C.

Item 2 **Agitator**
assembled through the top gable in to the mixing chamber. The agitator is made of plastic and stainless steel.

Item 3 **Driving unit**
consist of a 1-fase motor, manufacture BEVI. The motor is protected by a thermal contact.

Item 4 **Injection nipple**
with base in POM-C. The needle and spring in stainless steel. The injection nipple is easily dismantled from the machines outside.

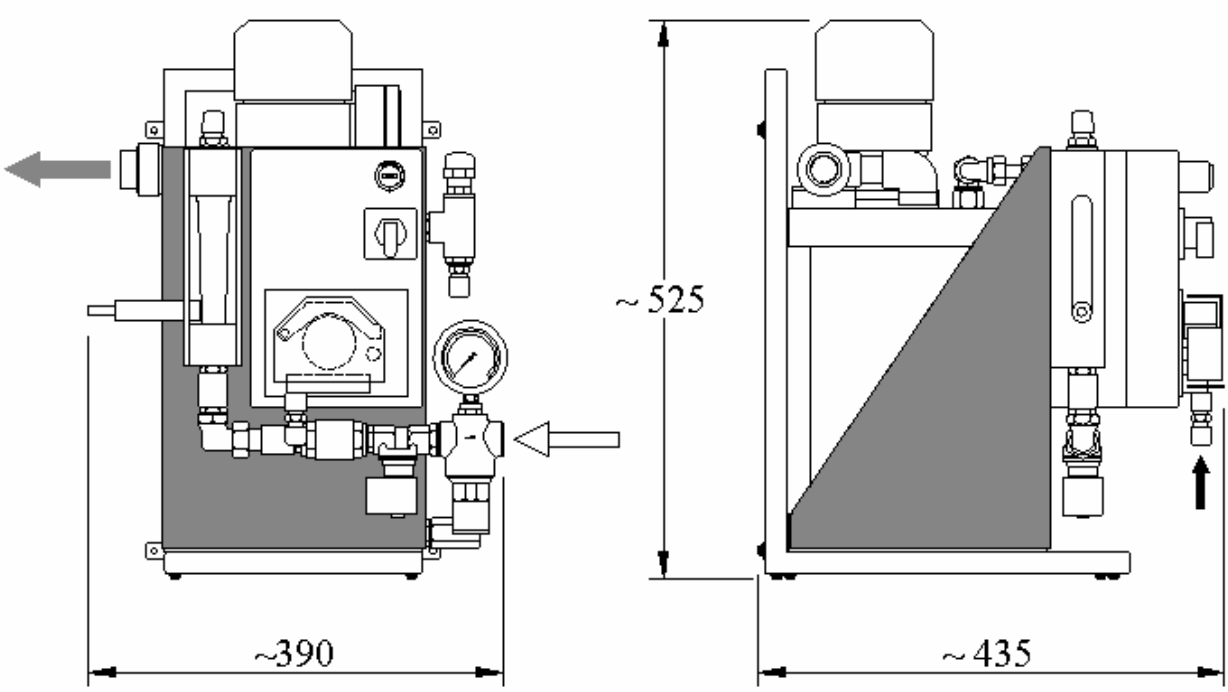
Item 5 **Water supply**
made up of a reducing valve with manometer, check valve, solenoid valve and a flow meter for preparation the water. A proximity switch assembled on the flow meter interlock the polymer-dosing pump if the preparation water is omitted.

Item 6 **Transparent pipe**
assembled on the outlet pipe from the mixing chamber.

Item 7 **Polymer dosing pump**
type peristaltic for flexible tube. The pump is built into the control cabinet's front.

Item 8 **Control cabinet**
with electrical wiring, fuse and terminal row. **The customer must install main switch**.

Dimensions



POLYMORE mini Size	⬅ Polymer inlet	⇦ Water inlet	⬅ Polymer solution outlet
2-0,08	Each machine is delivered with a 2,5 meter suction tube. A suction wand is connected to the end of the tube.	R¾" - 20	R¾" - 20
3-0,6		R¾" - 20	R¾" - 20
5-0,6		R¾" - 20	R¾" - 20
5-1,2		R¾" - 20	R¾" - 20
10-1,2		R¾" - 20	R¾" - 20
10-2,4		R¾" - 20	R¾" - 20