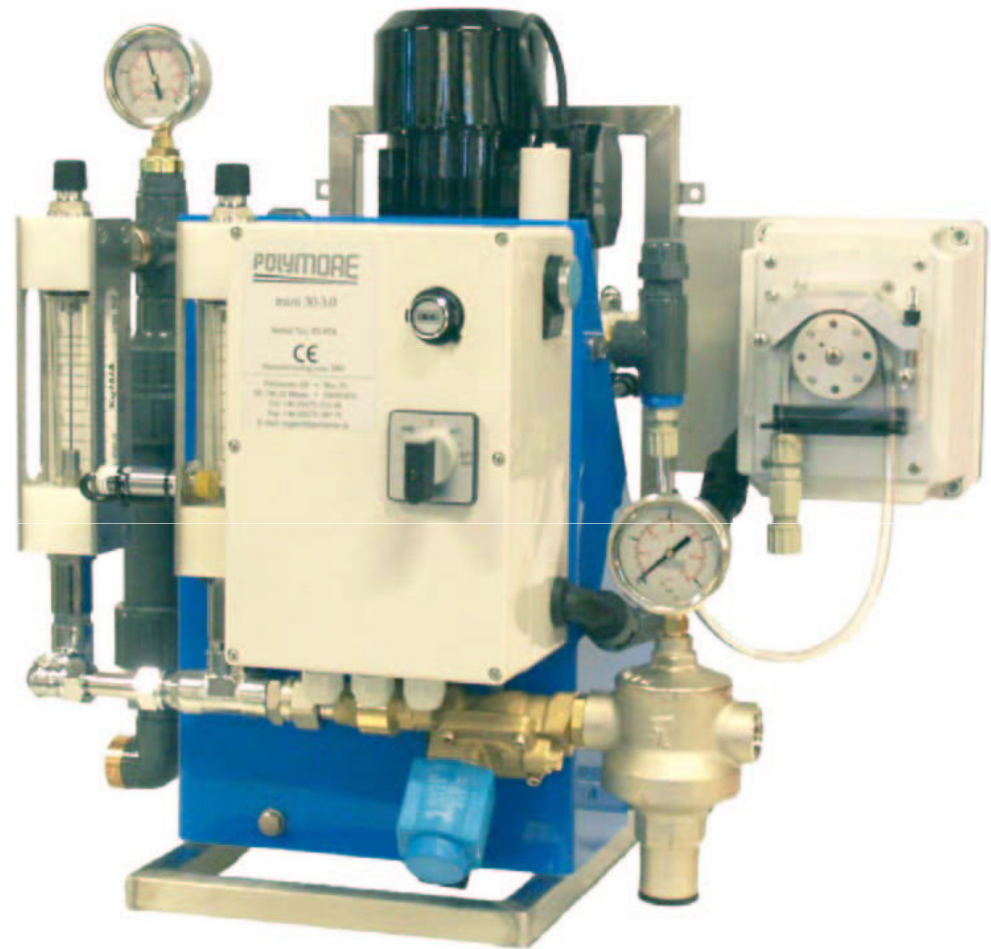


# POLYMORE

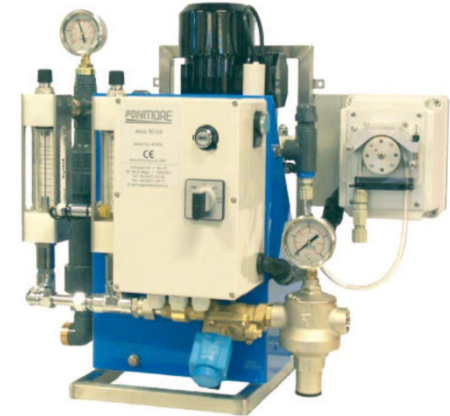
## In-line polymer make up unit

Provides a complete dissolving and dosing system for liquid concentrated polymers!



## POLYMORE In-line polymer make up unit.

- The multi-zone mixing chamber gives an outstanding homogenous and activated polymer solution.
- The POLYMORE is easy to start-up and commission. Connect the water and power supply, and the POLYMORE unit is up and running!
- The POLYMORE units are made for wall mounting, and the design is very space efficient.



## POLYMORE In-line polymer make up unit.

- Large non-transparent mixing chamber - long retention time, polymer solution undamaged by UV-light.
- Local or remote (4-20 mA) control standard for all units.
- Easily accessible liquid polymer injection nipple.

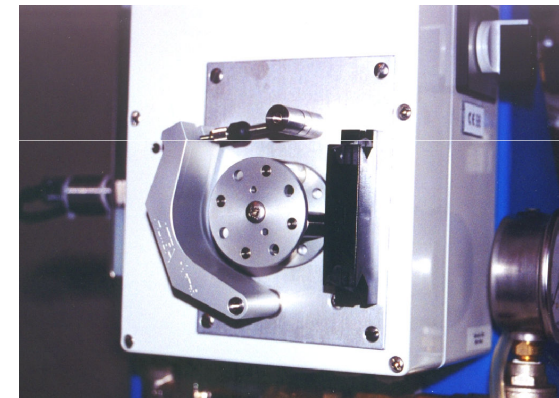
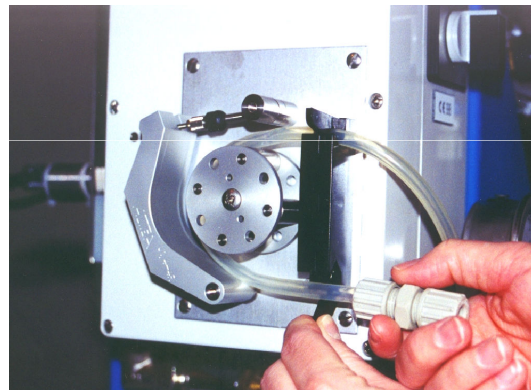
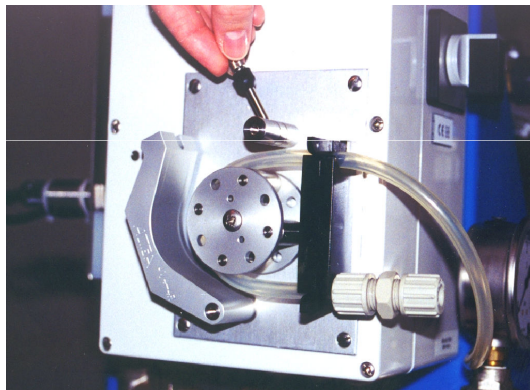
The heart of the unit!



# POLYMORE In-line polymer make up unit.

Less maintenance!

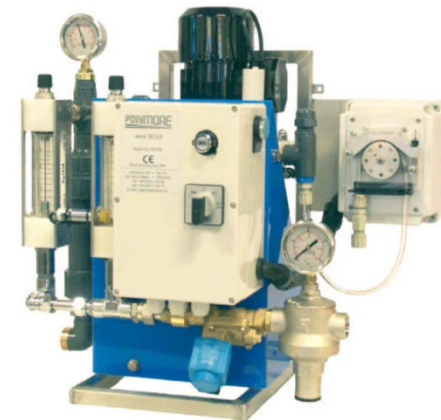
Servicing your polymer pump has never been easier!



The pump tube on the peristaltic metering pump is changed within a few minutes.

## POLYMORE – Technical Data

Polymore type:	Max capacity: (100% polymer)	Maturing time (At max.capacity)
mini 2-0,08	0,04 kg/h	3,5 min
mini 3-0,6	0,3 kg/h	2,5 min
mini 5-0,6	0,3 kg/h	1,5 min
mini 5-1,2	0,6 kg/h	1,5 min
mini 10-1,2	0,6 kg/h	0,75 min
mini 10-2,4	1,2 kg/h	0,75 min
mini 30-3,0	1,5 kg/h	0,75 min
duo 40-6,0	2,0 kg/h	2,5 min
duo 65-9,0	4,0 kg/h	1,5 min
midi 100-12	6,0 kg/h	2,0 min
midi 160-24	10,0 kg/h	1,0 min
midi 175-38	15,0 kg/h	2,0 min
maxi 300-54	25,0 kg/h	1,0 min



# Denomination of Polymore

**Example: Polymore Mini 30 - 3,0**

**Stands for the capacity of  
total preparation water  
30 litres/minute**

**Stands for the capacity of  
neat liquid polymer  
3,0 litres/hour**

# Overview capacities

## POLYMORE MINI

Type / Size	Liquid polymer pump capacity (l/h)	Preparation water capacity (l/h)	Dilution water capacity (l/h)	Dwell time	
				(min)	(max)
Mini 2 - 0,08	0,004 - 0,08	30 - 120	-	3,5	14,0
Mini 3 - 0,6	0,03 - 0,6	30 - 180	-	2,5	14,0
Mini 5 - 0,6	0,03 - 0,6	60 - 300	-	1,5	7,0
Mini 5 - 1,2	0,06 - 1,2	60 - 300	-	1,5	7,0
Mini 10 - 1,2	0,06 - 1,2	120 - 600	-	0,75	3,5
Mini 10 - 2,4	0,15 - 3,0	120 - 600	-	0,75	3,5
Mini 30 - 3,0	0,15 - 3,0	120 - 600	0 - 1200	0,75	3,5

## POLYMORE DUO

Type / Size	Liquid polymer pump capacity (l/h)	Preparation water capacity (l/h)	Dilution water capacity (l/h)	Dwell time	
				(min)	(max)
Duo 40 - 6,0	0,3 - 6,0	120 - 600	0- 1800	2,5	8,0
Duo 65 - 9,0	0,68 - 13,5	180 - 900	0- 3000	1,5	7,0

# Overview capacities

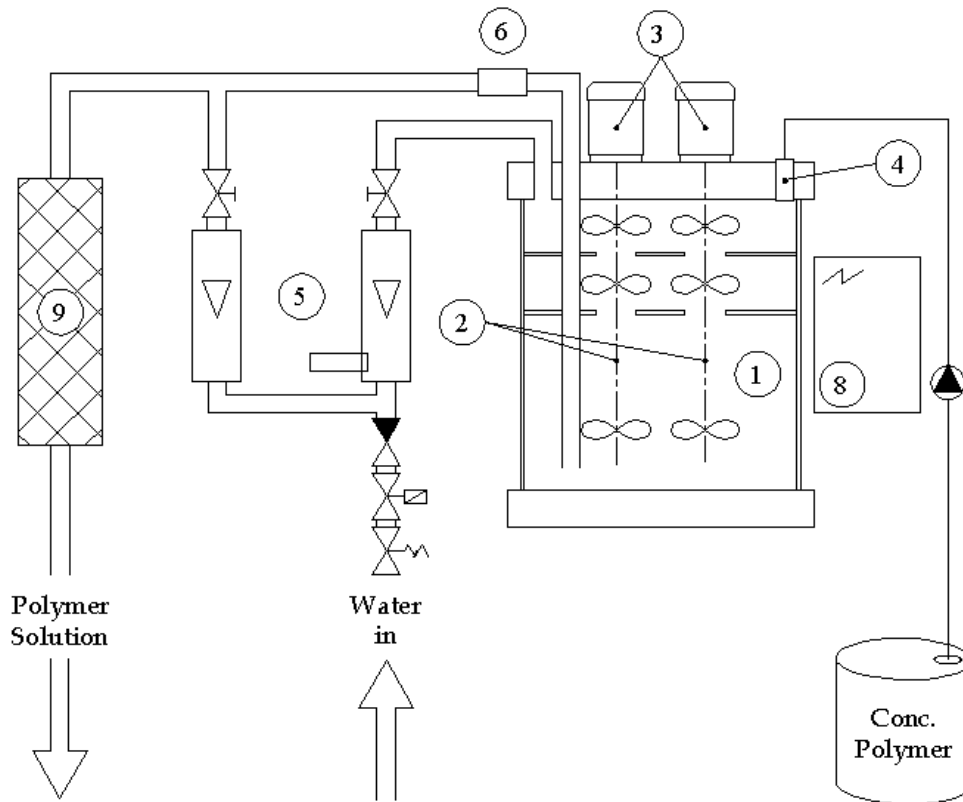
## POLYMORE MIDI

Type / Size	Liquid polymer pump capacity (l/h)	Preparation water capacity (l/h)	Dilution water capacity (l/h)	Dwell time	
				(min)	(max)
Midi 100-12	0,68 - 13,5	240 - 1200	0 - 4800	2,0	11,0
Midi 160-24	1,35 - 27,0	480 - 2400	0 - 7500	1,0	5,5
Midi 175 - 38	2,16 - 43,2	600 - 3000	0 - 7500	2,0	7,5

## POLYMORE MAXI

Type / Size	Liquid polymer pump capacity (l/h)	Preparation water capacity (l/h)	Dilution water capacity (l/h)	Dwell time	
				(min)	(max)
Maxi 300-54	2,7 - 54,0	1200 - 6000	0 - 15000	1,0	4,0

# Process drawing for Polymore Duo



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

Item 2 **Agitators**  
assembled through the top gable in to the mixing chamber.  
The agitators are made of plastic and stainless steel.

Item 3 **Driving units**  
consists of 1-fase motors, manufacture BEVI.  
The motors are protected by thermal contacts.

Item 4 **Injection nipple**  
with base in POM-C and 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 flow meters for preparation water and dilution water.  
An inductive sensor, assembled on the flow meter for preparation water,  
interlock the polymer-dosing pump if the preparation water is omitted.

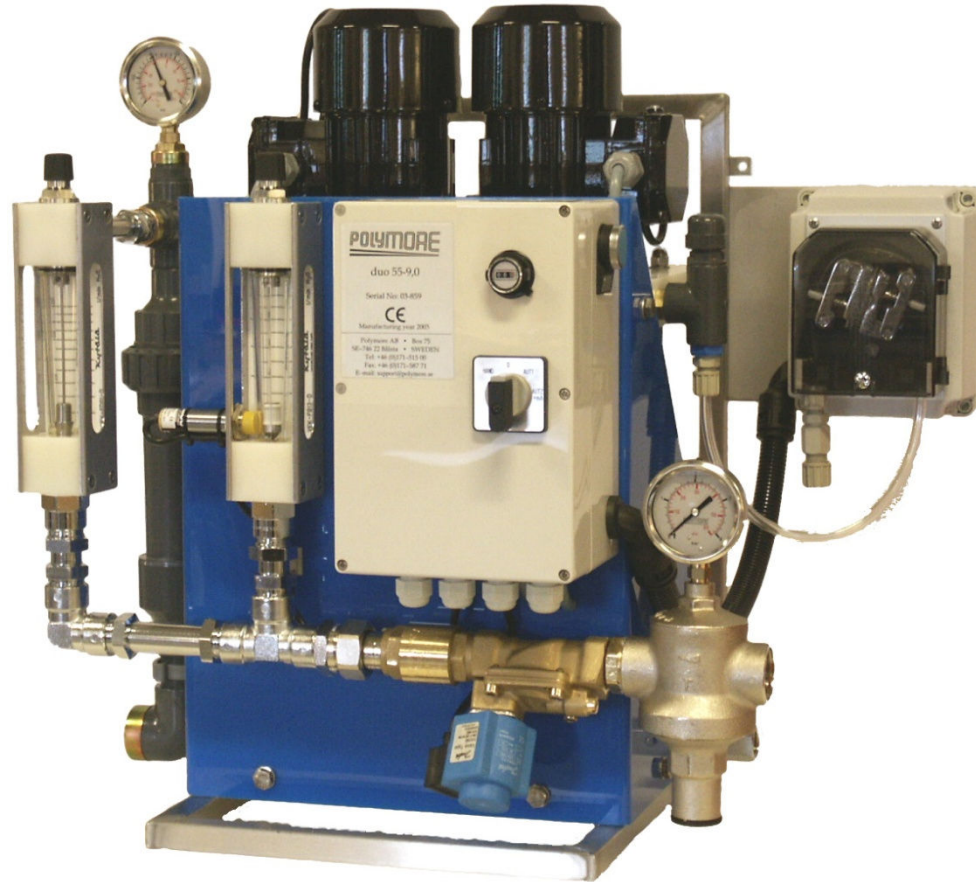
Item 6 **Transparent pipe**  
assembled on the outlet pipe from the mixing chamber.

Item 7 **Polymer dosing pump**  
type peristaltic for flexible tube. The pump is built into a separate cabinet.

Item 8 **Control cabinet**  
with electrical wiring, fuse and terminal row.

Item 9 **Static mixer with manometer**  
assembled on the outlet pipe after the dilution water connection,  
to homogenise the polymer solution. The mixer is made in PVC  
and is easy to dismount for an eventual cleaning.

# Polymore Duo 40-6,0



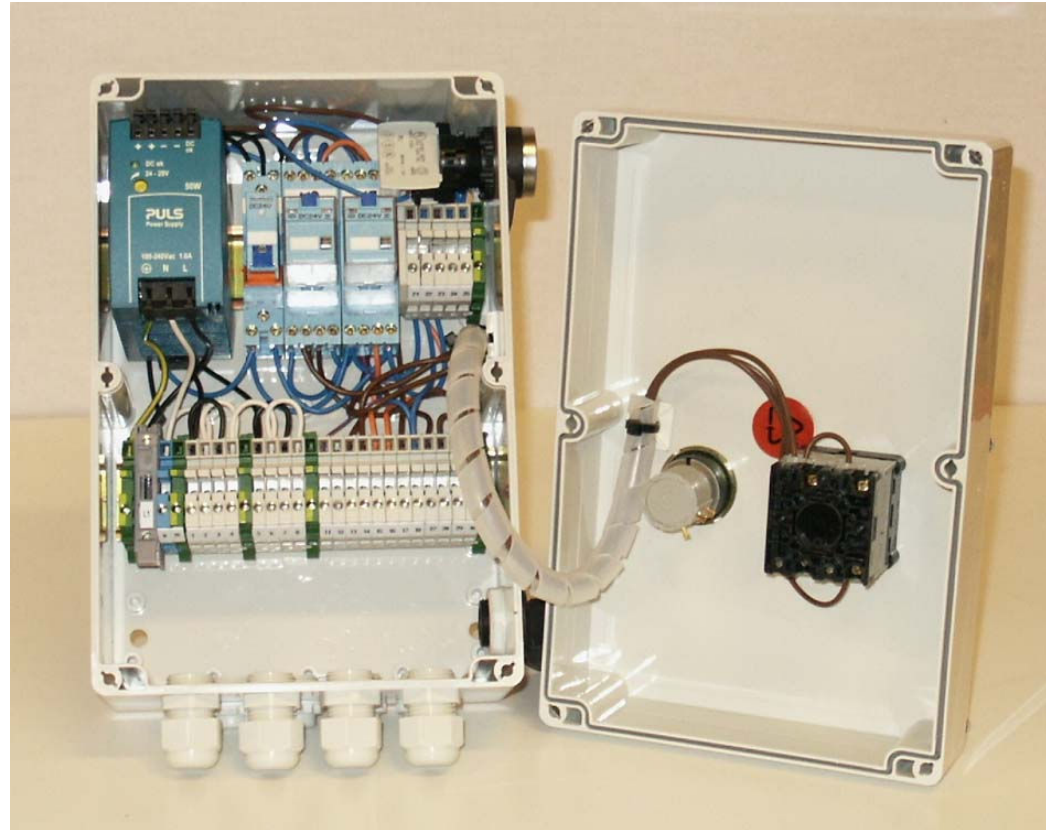
## Polymore Midi 100-12 alt. 160-24



# Polymore Maxi 300-54



## Standard control panel 24VDC



# Polymore Mini 5-0,6



## Option:

### Pump monitoring -

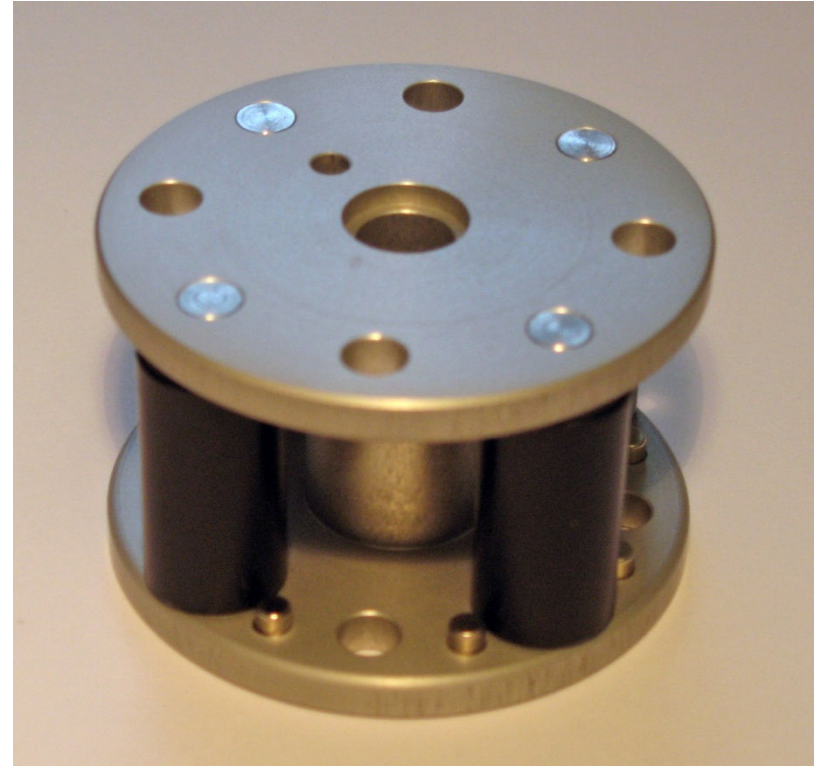
For monitoring of the polymer supply to the machine.  
Stops the unit machine if the polymer concentrate container is empty, if the tube in the polymer pump becomes broken or if the pump stops working due to a breakdown.



## Option:

### Hall sensor -

A rotational sensor, type Hall effect, for registration of the amount of polymer that is dosing. Up to 8 no. magnets in the pump rotor activates the sensor, creating one electrical output for each pump turn, which can be fed to a process controller.



## POLYMORE –

Since 1989, more than 1000 units have been delivered to more than 50 countries.

