



The PMI Advanced Emulsion Polymerization Reactor

Not just products...solutions!

APPLICATION

The PMI Advanced Emulsion Polymerization Reactor is for polymer synthesis under temperature and pressure control.

SPECIFICATION

- Bench constructed from stainless steel frame with castor wheels.
- **Reactor Size:** 1 liter double layer reactor with vacuum jacket
- **Reactor Vessel:** Head with gas release and inlet ports fitted with appropriate valves; extra ports for other measurements; polymer sample outlet
- **Stirrer:** Magnetic Drive (1/4HP) with anchor stirrer having speed 10-800 rpm; Different stirrer blades
- **Accessories:** Reactor fitted with glass eye, fitted with automated pH and Conductivity meter, Argon gas (with cylinder) to maintain inert atmosphere.
- **Temperature:** Ambient - minimum 300 degrees
- **Pressure limit:** Atmosphere - minimum 10 bar
- **Data storage and control:** Automated data acquisition and control with PC
- **Electrical supply:** 120VAC or 220VAC

FEATURES

- Fully automated and user friendly
- Very little operator time and involvement
- Wide range of temperature and pressure settings

SOFTWARE

Current Test Status 00:00:10 – Unit 100A				
Pause Turn Abort Manual Help				
Z:\User\John\Polymerization Test				
Test ID: PolymerTest1				
Time of Test(min)	PH	Conductivity(ms/cm)	Temperature(°C)	Pressure (PSI)
0	6.83	50.11	90.33	60.033
1	6.82	50.12	90.27	60.041
2	6.85	50.13	90.25	60.044
3	6.84	50.09	90.30	60.037
4	6.83	50.08	90.31	60.039
5	6.81	50.11	90.35	60.041
6	6.84	50.10	90.33	60.040
7	6.85	50.13	90.29	60.039
8	6.83	50.11	90.30	60.040
9	6.87	50.09	90.31	60.038
10	6.88	50.08	90.33	60.036
Temperature: 90.33 °C Pressure: 60.039 psi Time: 10 min				

SALES & SERVICES

Our sales team is dedicated to helping our customers find which machine is right for their situation. We also offer custom machines for customers with unique needs. To find out what we can do for you, contact us.

We are committed to customer support including specific service products, short response times & customer specific solutions. To quickly & flexibly meet our customer's requirement, we offer a comprehensive range of services.



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The most advanced, accurate, easy to use
and reproducible porometers in the world.



20 Dutch Mill Rd, Ithaca, NY 14850, USA
Toll Free (US & Canada): 1-800-TALK-PMI (1-800-825-5764)
Phone: 607-257-5544 Fax: 607-257-5639

Email: info@pmiapp.com

www.pmiapp.com

