



**POLYURETHANE  
MACHINERY  
CORPORATION**

# “Classic” PH/PHX-40

## Hydraulic Proportioner for Foam and Coatings

The PMC “Classic” Series offers the professional great value, high output and rugged design.

- Up to 40 lbs per minute Foam and 2.8 gpm Coatings
- Pressure Balance Control (PBC)
- Inlet Monitoring System
- Proximity Reversing System
- Auto Shut Down Counter
- Point to Point Wiring
- Opposed Piston Metering Pumps
- Digital Automatic Temperature Control
- Open Frame Design
- Heater, Pressure Range and Ratio Options
- Automatic ISO Lube System
- Hose Heat Tap Settings
- Individual “A” and “R” Hybrid Heaters
- CE Certified



**Polyurethane Machinery Corporation • Lakewood, NJ, USA • 732-415-4400**

**Innovative Spray Technology Made Simple**

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## PMC Legend for Machine Descriptions

PH	3HP	230V	1PH	RV	90T	10KW	IM	PBC
Machine Series	Horsepower (3hp, 5hp, 7.5hp, 10hp)	Voltage (230v, 380v or 460v)	Phase (Single or Three)	Recirculation Valves	Transformer Size (30V, 70V, 90V, or 120V)	Heater Wattage	Inlet Monitoring	Pressure Balance Control

### Technical Data: Classic PH/PHX-40 Series

MODEL	PH-40	PHX-40
Output*	40 lbs/min (18.14 kg/min)	2.8 gal/min (10.59 liters/min)
Max. Working Pressure	2000 psi (138 bar)	3500 psi (241 bar)
Max. Hose Length	410 ft (121.9 m)	410 ft (121.9 m)
Heater Wattage	15,000 watts (Total) 18,000 watts (Total) 21,000 watts (Total)	15,000 watts (Total) 18,000 watts (Total) 21,000 watts (Total)
Hose Heating Power	120 Volts	120 Volts
Maximum Fluid Temperature	190 °F (87.7 °C)	190 °F (87.7 °C)
Weight (w/o Hydraulic Fluid)	555 lbs (251.7 kg)	555 lbs (251.7 kg)
Electrical @ 15KW Heaters	70 amps @ 3 x 230V 118 amps @ 1 x 230V	70 amps @ 3 x 230V 118 amps @ 1 x 230V
Electrical @ 18KW Heaters	77 amps @ 3 x 230V 131 amps @ 1 x 230V	77 amps @ 3 x 230V 131 amps @ 1 x 230V
Electrical @ 21KW Heaters	85 amps @ 3 x 230V 144 amps @ 1 x 230V	85 amps @ 3 x 230V 144 amps @ 1 x 230V

PH/PHX Series also available in 380 Voltage-Call for specs! \*Output measured with mineral oil

### Standard Features

**The PMC "Classic" Series PH/PHX was "Designed with the Customer in Mind" to provide applicator friendly and serviceability to meet today's market place demands.**

The electrical console has been designed to eliminate the use of delicate circuit boards and displays.

The open frame design format allows easy access to all components.

Automatic ISO lubrication system.

Manual Hose Heat Tap Settings to match length of hose being used.

Pressure Balance Control (PBC).

The reversing system is initiated by proximity switches and controlled by solid state relays to virtually assure maintenance free operation and long service life.

The Auto Shut Down Counter stops the machine before the drum runs empty avoiding possible cavitation, downtime and spraying off ratio material. The counter is adjustable to be set by the operator.

Point to Point wiring scheme makes troubleshooting a snap. All components are easily replaceable and readily available.

Opposed piston pumping is the industry benchmark and includes durable and easily serviceable ball checks.

The temperature sensing unit (TSU) operates in real time, sending a signal to the controller to maintain the chemical at the optimum temperature. The thermocouple that reads the temperature can be quickly replaced without removing the TSU block, a unique design feature that saves time and money.

Available up to 21Kw of heat, 2000-3500 psi and fixed ratios of up to 1.5:1, 2:1, 3:1, & 4.3:1.

### Ordering Information

Part #	Description
<b>PH-40</b>	
103132	PH40,5HP,230V,1PH,90T,15KW
103142	PH40,5HP,230V,1PH,120T,15KW
103143	PH40,5HP,230V,1PH,120T,18KW
103242	PH40,5HP,230V,3PH,120T,15KW
103243	PH40,5HP,230V,3PH,120T,18KW
103244	PH40,5HP,230V,3PH,120T,21KW
103343	PH40,5HP,380V,3PH,120T,18KW
103442	PH40,5HP,230V,1PH,RV,120T,15KW
103443	PH40,5HP,230V,1PH,RV,120T,18KW
103542	PH40,5HP,230V,3PH,RV,120T,15KW
103543	PH40,5HP,230V,3PH,RV,120T,18KW
103544	PH40,5HP,230V,3PH,RV,120T,21KW
103643	PH40,5HP,380V,RV,120T,18KW
202294	PH40,5HP,460V,3PH,120T,18KW
<b>PHX-40</b>	
104142	PHX40,5HP,230V,1PH,120T,15KW
104143	PHX40,5HP,230V,1PH,120T,18KW
104242	PHX40,5HP,230V,3PH,120T,15KW
104243	PHX40,5HP,230V,3PH,120T,18KW
104244	PHX40,5HP,230V,3PH,120T,21KW
104343	PHX40,5HP,380V,3PH,120T,18KW
104344	PHX40,5HP,380V,3PH,120T,21KW
104432	PHX40,5HP,230V,1PH,RV,90T,15KW
104442	PHX40,5HP,230V,1PH,RV,120T,15KW
104443	PHX40,5HP,230V,1PH,RV,120T,18KW
104543	PHX40,5HP,230V,3PH,RV,120T,18KW
104544	PHX40,5HP,230V,3PH,RV,120T,21KW
104644	PHX40,5HP,380V,3PH,RV,120T,21KW

## Optional Equipment

PMC Spray and Pour Guns  
Recirculation Blocks

Material Transfer Pumps for 55 and 30 Gallon Drums  
Calibration/Bleed Tool

Heated Hoses  
Replaceable TSU Probe