P3® Polyprep® 110™ Cleaner

Low Energy Use, Plastics Cleaner

Advantages

- Temperatures operate at 30°F lower than industry standard power wash cleaner products
- Lower operating temperatures mean significant energy savings for the user
- Solvent-free
- Phosphate-free, acidic cleaner
- Specifically designed to provide excellent cleaning of mineral oil and triglyceride (fatty) oily soils from plastic or other surfaces
- Meets GM specification 9984801 (APOPS Approved)

Applications

- Spray wash system where parts need to be inherently clean prior to the application of paint, surface treatments or adhesive bonding
- Suitable for a wide range of plastics including:
  - Primed and raw SMC
  - Polyurethane and Polyurea RIM
  - ABS
  - TPO
  - TPE
  - PVC
  - Polyethylene
  - Previously painted substrates of any type

Case History

A customer running their plastic power washer at 140°F trialed P3® Polyprep® 110™ Cleaner while measuring their natural gas usage with a certified gas meter installed on the burner for their system. The effect of lowering their temperature by 30°F saved them 500 cu. ft. of natural gas every hour. This customer operates 13 hours/day, 4 days a week, saving them $15,000/year in their annual natural gas costs. (based on $.01/cu. ft. of Natural Gas)

What P3® Polyprep® 110™ Cleaner did for this customer, P3® Polyprep® 110™ Cleaner can do for you! Use the energy calculator on the back to see if P3® Polyprep® 110™ Cleaner can take expense out of your process.

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Natural Gas Usage Savings Estimator*

Your Current Plastics Cleaning System

In Operation

GPM Pumped		60 Minutes		Weight of Water		Degree Drop (Use Chart)		BTU/hr.		Hours of Daily Operation		Daily Operation BTUs
	x	60	x	8.34	x		=		x		=	

Heat Up

Operating Temperature		Starting Temperature		Weight of Water		Tank Volume		Heat up BTUs
	-		x	8.34	x		=	

Total Daily Cu. Ft. Natural Gas to Operate Current System with Current Cleaner

Daily Operating BTUs		Heat Up BTUs			Cu. Ft. Natural Gas
	+		/	1000	=	

Annual Cu. Ft. Natural Gas to Operate Current System with Current Cleaner

Cu. Ft. Natural Gas		Operating Days/Year		Annual Cu. Ft. Natural Gas Usage
	x		=	

Temp.	Degree Drop
150°F	5
145°F	4.5
140°F	4
135°F	3.5
130°F	3
125°F	2.5
120°F	2
115°F	1.5
110°F	1

Your Current Plastics Cleaning System using Henkel P3® Polyprep® 110™ Cleaner

In Operation

GPM Pumped		60 Minutes		Weight of Water		Degree Drop (Use Chart)		BTU/hr.		Hours of Daily Operation		Daily Operation BTUs
	x	60	x	8.34	x		=		x		=	

Heat Up

Operating Temperature		Starting Temperature		Weight of Water		Tank Volume		Heat up BTUs
	-		x	8.34	x		=	

Total Daily Cu. Ft. Natural Gas to Operate Current System with Henkel P3® Polyprep® 110™ Cleaner

Daily Operating BTUs		Heat Up BTUs			Cu. Ft. Natural Gas
	+		/	1000	=	

Annual Cu. Ft. Natural Gas to Operate Current System with Henkel P3® Polyprep® 110™ Cleaner

Cu. Ft. Natural Gas		Operating Days/Year		Annual Cu. Ft. Natural Gas Usage
	x		=	

Annual Calculated Savings of Cu. Ft. of Natural Gas by using Henkel P3® Polyprep® 110™ Cleaner

Current		P3® Polyprep® 110™ Cleaner		Natural Gas Cost/Cu. Ft.		Annual Dollar Savings
	-		x		=	

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*Does not include insulated tanks, ambient temperatures, radiative loss.