Typical Applications for Roper Progressing Cavity Pumps

Carbon Black Slurry	Aqueous Ammonia	Varnish	Lapping Compound	Bunker C Fuel Oil
Butadiene-Styrene Latex	Benzene	Potassium Hydroxide	Polyvinyl	Coolant
Foam Rubber	Black Liquor	Sea Water	Polyvinyl Acetate	Coolant Oil
Latex	Brine	Sodium Hydroxide	Bentonite Clay & Water	Crude Oil
Neoprene	Calcium Carbonate	Titanium Dioxide	Ceramic Glaze	Grease
Polyethelene Slurry	Carboxy Methyl Cellulose	Turpentine	Enamel	JP4 and JP5 Jet Fuel
Rubber Cement	Caustic	Urea Formaldehyde	Liquid Silica	Kerosene
Talc & Soapstone	Citric Acid Slurry	Vinegar & Hard Cider	Paper Coating	Slop Oil
Grease Scum	Detergent	Asphalt Emulsion	Paper Pulp	Petroleum Jelly
Lime Slurry	Dilute Hydrochloric Acid	Caulking Compound	Starch	Animal Blood
Plant Sewage	Dye	Cement & Sand	Ammonia Paste	Animal Fat
Raw and Digested Sludge	Epoxy Resin	Grout	Glue	Coal Fines
Raw Sewage	Fertilizer	Gypsum	Linoleum Adhesive	Glycerine
Sulphuric Acid	Fiberglass Resin Binder	Mineral Wool Slurry	Plywood Glue	Palm Oil or Cottonseed Oil
Phosphoric Acid	Gelatin	Perlite	Seam Paste	Plating Solution
Acetone	Iron Oxide	Plaster	Water Glass	Fruit Pulp
Alum	Liquid Phosphorous	Slaked Lime	Drilling Mud	River Mud
Alumina Oxide	Magnesium Hydroxide	Starch	Soap Stock	Tobacco & Water Slurry
Ammonium Hydroxide	Mercury	Stucco	Polymers	Wax & Polish
Ammonium Nitrate	Organic Salt	Grinding Compound	Paints	Etc.

Roper Pumps Series Model Number System

• The first number (**7**) indicates the pump series.
• The seond number (7**1**, 7**2,** 7**3**) indicates the number of stages of the pumping elements.
• The third number (71**2**, 72**2**, 73**2**) indicates the model.
• The fourth, fifth, and (where appropriate) sixth numbers indicate the approximate theoretical capacity in gallons per 100 revolutions as shown in the chart below.

4th, 5th, 6th Numbers	006	025	01	02	05	12	19	22	28	36	44	65	115
Capacity GPM/100 Rev.	.06	.25	1	2	5	12	19	22	28	36	44	65	115

The next three letters indicate the materials of construction. See the following chart.

	Letter Key	Materials
Pump Body	G	Cast Iron
	N	316 Stainless Steel
Internals	H	Hard Chrome Plated Alloy Steel
	N	Hard Chrome Plated 316 SS
Stator	L	Nitrile Covered
	M	Soft Natural Rubber
	C	EPDM
	V	Fluoroelastomer

The above are standard construction materials. If you need special materials, just ask the Roper Pumps factory.

MODEL IDENTIFICATION

Example: 72212 GHM. This is a 70200 series pump that has pumping stages and pumps approximately 12 GPM at 100 RPM. The body is cast iron, the rotor is hard chrome-plated alloy steel and the stator is soft natural rubber.