

Element Performance Chart

Roper Pumps Are Made Right

Since our rotors, stators, drive shafts and drive end assemblies can be altered to suit different conditions, you can select the exact design for almost any application.

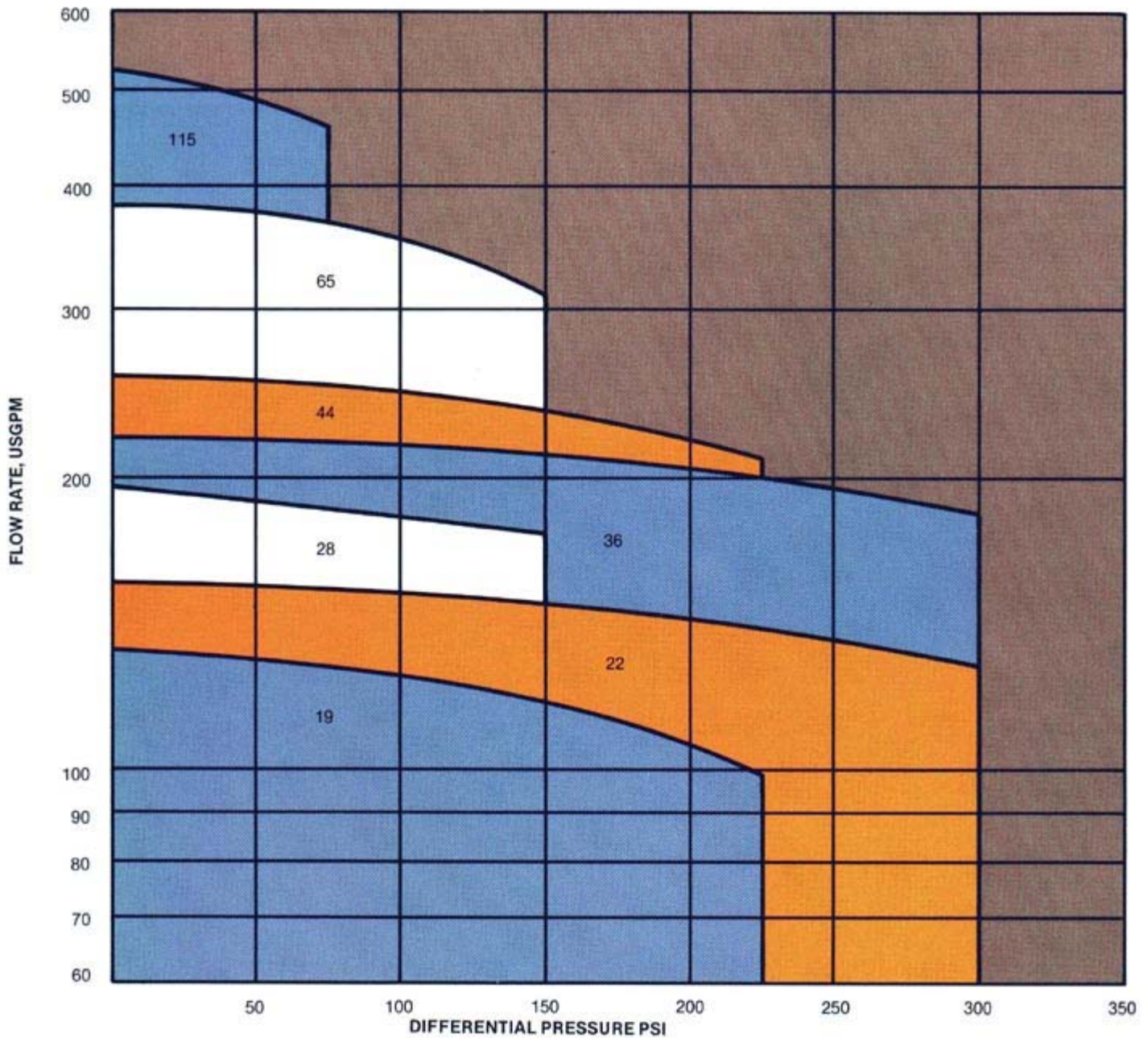
Rotors are made of hard chrome-plated hardened alloy steel, for maximum abrasion resistance, or hard chrome-plated 316 stainless steel, for corrosion and abrasion resistance.

The stators are made of four basic elastomers:

- (1) Buna-N to 185°F
- (2) Soft natural rubber to 185°F
- (3) EPDM to 300°F
- (4) Fluoroelastomer to 300°F

Like the rotors, our housing assemblies are available in two metals: cast iron, for applications where the material being pumped is non-corrosive, or 316 stainless steel, to minimize corrosion and contamination.

Our Roper Application Engineers understand that selecting the right pump requires complete knowledge of both the material to be handled and the overall operating conditions. That's why we developed our own computer-based pump selection program and why we offer a free fluid analysis to help determine which Roper progressing cavity pump is right for your application. So if you have any questions, feel free to call on your Roper Application Engineer to make specific recommendations for your particular pumping problem. Of course there's no obligation.



Roper Series Model Number System

- The first number (7) indicates the pump series.
- The second number (71, 72, 73) indicates the number of stages of the pumping elements.
- The third number (712, 722, 732) 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.

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

4th, 5th, 6th Numbers	006	025	01	02	05	12	19	22	28	36	44	65	115
Capacity USGPM/100 Rev.	.03	.25	1	2	5	12	19	22	28	36	44	65	115

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

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

MODEL IDENTIFICATION

Example: 72212 GHM

This is a 70200 series pump that has two 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.