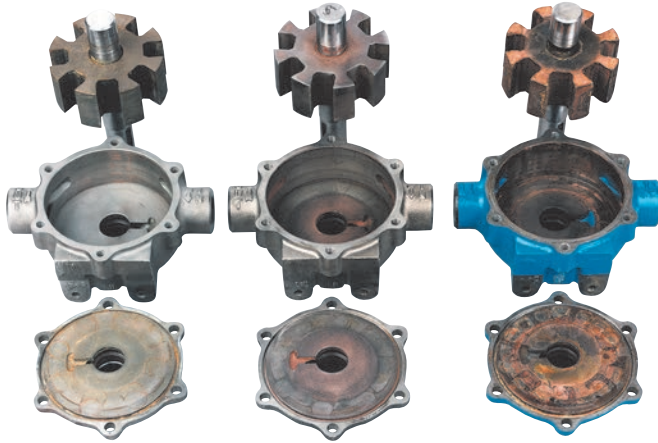


# Roller Pump Comparisons

**Get up to 10 times longer pump life with Hypro Silver Series XL Roller pumps!**



Silver Series XL

Ni-Resist

Cast Iron

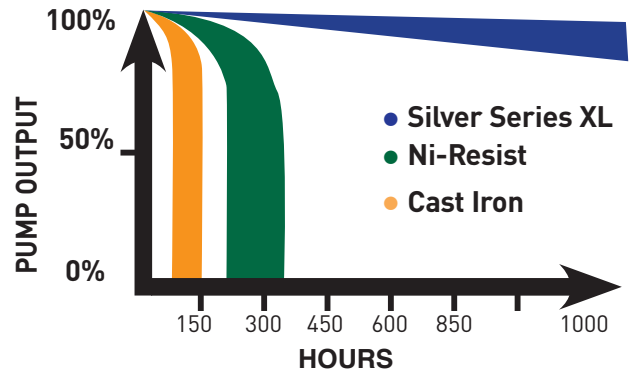
These three pumps were photographed after being tested with a 30:1 mix of water and Roundup® herbicide.

The Ni-Resist and Cast Iron indicate damage from pitting and corrosion, but the Silver Series XL is in like-new condition after more than 1000 hours of use.

## Herbicide users:

**Get up to 10 times longer pump life!**

- Cast Iron pumps lasted to 140 hours before failure.
- Ni-Resist pumps lasted to 332 hours before failure.
- Silver Series X pumps ran over 1000 hours and still met new pump specs!



Floating Design, PTFE Coating



Ni-Resist Pumps

## Improvements with Hypro Roller Pumps

### Floating PTFE coated rotors

- Floating rotor design and black PTFE coating on metal rotors increases performance and extends pump life
- Standard production in 4001, 4101, 6500, & 7560 Silver Series XL and Ni-Resist pumps
- Available at no additional charge

### Clear Coat Finish

- Offers increased protection from chemical attack and from the elements
- Included on all Ni-Resist roller pumps
- Available at no additional charge

# Pump Recommendations for Applications

## Which Roller Pump, Rollers and Seals Should You Use?

Material options for rollers and seals are listed in the order of recommendations for usage. These recommendations are only a general guide. For suggestions on specific chemicals or applications, call Pentair's Technical/Applications Department at (800) 445-8360.

Application	Specific Chemicals	Suggestions							
		Housing Materials			Roller Materials			Seal Materials	
		Silver Series XL	Ni-Resist	Cast Iron	Super Roller	Poly Rollers	Teflon® Rollers*	Viton®	Buna-N
WEED CONTROL CHEMICALS	Emulsions, soluble powders, sodium arsenate.	X	X	X	X			X	
	Chemicals containing glyphosate (such as Roundup®) or other acidics	X			X	X	X*	X	
INSECT CONTROL	Emulsions not containing aromatic solvents.	X	X	X	X			X	
BRUSH CONTROL	Heavy-duty sprays using diesel oil for carrier.	X	X	X	X			X	
PEST CONTROL CHEMICALS, FUMIGANTS, ETC.	This category or use includes mosquito sprays, termite control liquids, nematocides, soil and grain fumigants where any of the following chemicals with aromatic solvents are present: Pentachlorophenol, xylene, xylol, benzene, high sulphur fuel or diesel oil. Fumigants containing: ethylene dichloride, ethylene dibromide, carbon tetrachloride, perchlorethylene, trichlorethylene, methyl bromide, and other aromatic solvents.	X	X	X	X			X	
LIQUID FERTILIZERS	Up to 32% nitrogen content, or others if the liquid is atmospheric pressure and the temperature is handled.	X	X			X			X
POWDERED FERTILIZERS	Fertilizers dissolved in water (greenhouse plant food).	X	X	X	X	X		X	X
PUMPING	Large quantities of plain water.	X	X	X	X	X		X	X
SPRAYING	Wettable powder sprays.	X	X	X	X	X		X	X
MATERIAL HANDLING	Heavy abrasive powders in suspension.	X	X	X	X	X		X	X
ACIDS	Mild sulfuric acid for spraying. Mild muriatic acid, inhibited muriatic, etc.	X				X	X*	X	

\*Note: Limit Pressure at 100 psi (6.9 bar) when using Teflon® Rollers.