

# POLYPROPYLENE HOSE

Multi-Purpose Chemical Hose

## Standard Duty Series:

3081PG

Temperature: -22° to +212°F (-20°C to +100°C)

\* Depending on conveyant media

### Typical Applications:

- In plant suction and discharge transfer
- Blending and drumming
- Tank car and railcar transfer

## Heavy Duty Series:

3091PG, 3094PS, 4091SG, and 4094SS

### Benefits and Features

- Extremely flexible and user friendly
- Seamless tubes to prevent leak paths
- Electrically continuous capability
- Retains flexibility in cold environments

# FLUOROPOLYMER HOSE

Aggressive Chemical Hose

## Heavy Duty Series:

4121SG and 4124SS

Temperature: -22° to +212°F (-20°C to +100°C)

## Special Fuming Acid Series:

4976SS

Temperature: -22° to +212°F (-20°C to +100°C)

\* Depending on conveyant media

### Typical Applications:

- Aggressive chemicals
- Chemical purity, easy to clean
- Chemicals with elevated temperatures
- Alternative to convoluted Teflon® hose

## Heavy Duty High-Temp Series:

4131SG and 4134SS

Temperature: -22° to +320°F (-20°C to +160°C)

## UHMW Series: "Ultra Molecular-Weight Polyethylene"

1601G/G, 3601PG, 4601SG and 4604S

Temperature: -22° to +180°F (-20°C to +82°C)

\* Depending on conveyant media

### Benefits and Features

- More rugged than standard Teflon® hose
- PFA, FEP, PTFE, UHMW and Hostaflon materials
- Color coding for chemical identification
- Full vacuum

## Willcox Chemical Hose Dimensional Data Chart

NOMINAL ID IN. (MM)	NOMINAL OD IN. (MM)	MAX. MAWP PSI (BAR) STD. DUTY	MAX. MAWP PSI (BAR) HVY. DUTY	MIN. BEND RADIUS IN. (MM)	WEIGHT LB FT (KG/M)	MAX. LENGTH FEET
1" (25)	1-1/2" (38)	200 (14)	250 (17.5)	4 (100)	.6 (.9)	60-95
1-1/2" (38)	2" (50)	200 (14)	250 (17.5)	5 (125)	1.0 (1.5)	60-95
2" (50)	2-1/2" (65)	200 (14)	250 (17.5)	6 (150)	1.5 (2.2)	60-95
3" (75)	3-1/2" (88)	200 (14)	250 (17.5)	8 (200)	2.1 (3.1)	60-95
4" (100)	4-1/2" (115)	200 (14)	250 (17.5)	13 (325)	2.3 (3.2)	60-95

Nominal Dimensional Chart

MAWP at 4:1 safety factor

### Willcox Internal and External Wire Construction Identification

STYLE	INTERNAL WIRE	EXTERNAL WIRE
GG	Galvanized Steel	Galvanized Steel
PG	Black Polypropylene Coated	Galvanized Steel
PS	Black Polypropylene Coated	Stainless Steel
PP	Black Polypropylene Coated	Black Polypropylene Coated
SG	Stainless Steel	Galvanized Steel
SS	Stainless Steel	Stainless Steel

### Notes:

- Fitting pressure rating may limit working pressure of an assembly.
- Increased operating temperatures will reduce working pressure of the hose.
- Rated working pressures are @ 70°F or worldwide ambient temperatures.

Visit [www.ushosecorp.com](http://www.ushosecorp.com) for more Willcox product information, additional hose styles and applications

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