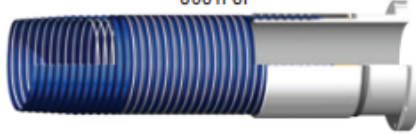


WILLCOX HOSE

3081PGP



Standard Duty Polypropylene Chemical Hose

Type 3081PGP

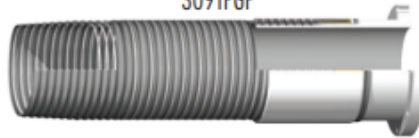
- Applications:** In-plant, tank truck, rail car liquid chemical suction and discharge.
- Construction:**
 - Color/Cover:** Royal Blue/PVC coated Nylon, Abrasion, UV and Ozone resistant
 - Inner Wire:** Black Polypropylene Coated Steel Wire
 - Inner lining:** High Grade Polypropylene
 - Carcass:** Polypropylene fabrics, films and seamless tubes
 - Outer Wire:** Galvanized Steel
 - Additional Options:** Special Color Coding and branding
- Physical properties:**
 - Temperature Range:** -22°F to +212°F (-30°C to +100°C)
 - Maximum elongation:** ≤10% on test pressure
 - Vacuum range:** 26 inHg (660 mmHg), 0.9 bar
 - Electrical properties:** Electrically Conductive
 - ≤2.5 ohm/m for sizes less than 2"
 - ≤1.0 ohm/m for size 2" and above
- Standards:** EN13765:2010, Type 2, IMO, IBC, BS5842, NAHAD-600:2005
- End Fittings:** Specially designed end fittings have been developed for use with Willcox Composite hoses that have a unique leak-proof sealing face and specially machined helical spiral shank which engages into the corresponding internal helix wire when secured into the hose by either crimping or swaging the external ferrules. See page 28 for more information about end connections.

TECHNICAL DATA: TYPE 3081PGP

Inside Diameter		Working Pressure		Min. Bend Radius		Approx Weight		Maximum Length	
Inches	mm	PSI	Bar	Inches	mm	lb/ft	kg/m	Feet	Meters
1	25	200	14	5.0	125	.9	1.3	100	30
1½	40	200	14	5.0	125	1.1	1.6	100	30
2	50	200	14	5.0	125	1.4	2.1	100	30
3	80	200	14	7.0	175	1.7	2.5	100	30
4	100	200	14	10.0	250	2.1	3.1	100	30

Pressure based on safety factor 4:1
 Dimensions and weight are approximate and are subject to change
 For additional technical data such as pressure drop, max. flow rates and tensile strength, please consult United Flexible engineering
 Increased operating temperatures will reduce working pressure of the assemblies
 Fitting pressure rating may limit working pressure of the assembly
 Rated working pressure is @ 70°F (21°C)

3091PGP



Heavy Duty Polypropylene Chemical Hose

Type 3091PGP

- Applications:** This type is designed for use as a more robust chemical transfer service in heavy use truck and railcar loading, polypropylene coated steel wire and polypropylene inner liner for maximum chemical resistance
- Construction:**
 - Color/Cover: Gray/PVC coated Nylon, Abrasion, UV and Ozone resistant
 - Inner Wire: Black Polypropylene Coated Steel Wire
 - Inner lining: High Grade Polypropylene
 - Carcass: Polypropylene fabrics, films and seamless tubes
 - Outer Wire: Galvanized Steel
 - Additional Options: Special Color Coding and branding
- Physical properties:**
 - Temperature Range: -22°F to +212°F (-30°C to +100°C)
 - Maximum elongation: ≤10% on test pressure
 - Vacuum range: 26 inHg (660 mmHg), 0.9 bar
 - Electrical properties: Electrically Conductive
 - ≤2.5 ohm/m for sizes less than 2"
 - ≤1.0 ohm/m for size 2" and above
- Standards:** EN13765:2010, IMO, IBC, BS5842, NAHAD-600:2005
- End Fittings:** Specially designed end fittings have been developed for use with Willcox Composite hoses that have a unique leak-proof sealing face and specially machined helical spiral shank which engages into the corresponding internal helix wire when secured into the hose by either crimping or swaging the external ferrules. See page 28 for more information about end connections.

TECHNICAL DATA: TYPE 3091PGP									
Inside Diameter		Working Pressure		Min. Bend Radius		Approx Weight		Maximum Length	
Inches	mm	PSI	Bar	Inches	mm	lb/ft	kg/m	Feet	Meters
1	25	250	17.5	5.0	125	.9	1.3	100	30
1½	40	250	17.5	6.0	150	1.1	1.6	100	30
2	50	250	17.5	7.0	175	1.4	2.1	100	30
3	80	250	17.5	8.0	225	2.1	3.1	100	30
4	100	250	17.5	11.0	275	2.5	3.8	100	30

Pressure based on safety factor 4:1
 Dimensions and weight are approximate and are subject to change
 For additional technical data such as pressure drop, max. flow rates and tensile strength, please consult United Flexible engineering
 Increased operating temperatures will reduce working pressure of the assemblies
 Fitting pressure rating may limit working pressure of the assembly
 Rated working pressure is @ 70°F (21°C)