

## Series 1000 Suction Hose

### Series 1000 Key Features:

- Designed to withstand a full vacuum
- Maximum working pressure up to 150PSI can also be used on discharge up to 150PSI
- Lengths up to 50'
- IDs from 3" to 36" (custom sizes available)
- 1/4" to 1 1/2" thick wear tubes
- High tensile spring steel wire reinforcement
- Multiple layers of high tensile strength woven polyester cord Fabric
- Fabricated steel nipple with welded retaining rings & welded flanges or grooved ends
- Continuous wear tube & gaskets form an integral sealing system, leaving no metal exposed to slurry
- Weather & ozone-resistant cover
- Natural and synthetic rubber wear tube material to suit application



### Applications

- In-plant applications
- Pump discharge hose
- Pump suction hose
- Replacing rigid pipe and fittings in pump suction or discharge systems
- Anywhere custom piping systems are used

### Why Use Townley Hose Instead of Piping

- Hoses outlast steel pipe up to 5:1
- Absorbs pump noise and vibration
- Can be rotated to extend wear life
- Hoses can be custom built to suit your needs

## Types of Rubber Used Depending on Applications

PHYSICAL PROPERTIES	Natural Rubber	SBR	NEO-PRENE	BUTYL
Durometer range	35-65	50-60	55-65	50-60
Tensile Strength, PSI	4000+	3000	3000	2000
Elongation %	≤700	500	≤800	≤600
Tear Resistance	Excellent	Good	Good	Fair
Abrasion Resistance	Excellent	Excellent	Good	Excellent
Flexibility	Excellent	Good	Good	Good
Rebound (cold)	Excellent	Fair	Very Good	Poor
Rebound (hot)	Excellent	Good	Very Good	Good

### CHEMICAL PROPERTIES

UV Ageing	Poor	Poor	Very Good	Very Good
Ozone Resistance	Poor	Poor	Excellent	Excellent
Acid Resistance (dilute)	Fair	Fair	Excellent	Poor
Oil & Gasoline	Poor	Poor	Good	Poor
Aliphatic Hydrocarbons	Poor	Poor	Good	Poor
Aromatic Hydrocarbons	Poor	Poor	Poor	Poor
Max Operating Temp °F	180°	180°	220°	220°

Always check with Applications Engineering before choosing elastomer

## Options Available for Series 1000

- 300# flanges
- Rotating flanges
- SBR tube
- Neoprene tube
- Natural Gum tube
- Butyl tube
- Reducing sizes on centric and eccentric

## Ordering Information

- Call 1-800-342-9920, email [info@townley.net](mailto:info@townley.net), or visit <https://www.townley.net/contact-us/>
- Ask for Series 1000
- Specify length and ID needed
- Specify flange, tube, end, or configuration options, if desired



1 (800) 342-9920

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