

# PVC Suction Hose

## Convolutd & Smooth

Kochek PVC Suction Hoses are specially engineered to meet our unique specifications. Combining high-quality PVC with our advanced coupling designs, these USA-made hoses offer unmatched flexibility, durability, and lightweight performance. The exclusive Poly-Lock coupling system delivers an unrivaled combination of reliability and user-friendly serviceability.

### Main Features

- Flexible clear PVC tube with rigid opaque PVC helix. Specialized material formula includes advanced additives for excellent UV resistance. <sup>1</sup>
- Quality wall thickness in every diameter, with transparent webbing for quick visual confirmation of water flow.
- Ultra smooth bore ensures unrestricted flow and maximum pump capacity, while the convoluted outer cover (2-1/2" and up) offers exceptional flexibility.
- Lightweight hose and couplings for easy handling and transportation.
- Poly-Lock coupling system allows for rapid field repairs with common hand tools. (4"-6") <sup>2</sup>
- Standard sizes include 1-1/2" - 6" diameters and continuous lengths up to 100'. <sup>3</sup>
- 8" diameter hose is available upon request. <sup>4</sup>
- Models with 2-1/2" couplings use 3" diameter hose; 4-1/2" couplings use 5" diameter hose.
- Service temperature range: -4°F (1-1/2"-3") or -40°F (4"-6") minimum, up to 150°F maximum. <sup>5</sup>
- All sizes are rated for 28 inHg vacuum or greater, exceeding the NFPA requirement.
- For vacuum use only. Never connect to pressurized water sources like municipal hydrants.

### Connections

- Threaded coupling options: Rocker Lug, Long Handle, or Folding Long Handle (4"-6") swivels.
- Storz coupling options: Standard Lug, Folding Long Handle (4"-6"), or Long Handle. (5" only)
- Camlocks, special threads, as well as other specialty coupling types are available upon request.
- Non-standard coupling combinations also available upon request. (Ex: Storz x Male Thread)
- Heavy-Duty Poly-Lock couplings engineered for high-stress applications are available optionally.

### Colors & Finishes

- Our PVC hose comes in two standard colors, depending on diameter:
  - 1-1/2" - 2" — green helix, smooth, with natural hardcoat couplings
  - 2-1/2" - 6" — black helix, convoluted, with black anodize couplings
- These industry-standard finishes provide good corrosion and abrasion resistance.
- Alternative coupling finishes, including powdercoated couplings for color-coding, are available upon request.

### Warranty

- 2 Year Manufacturers Warranty

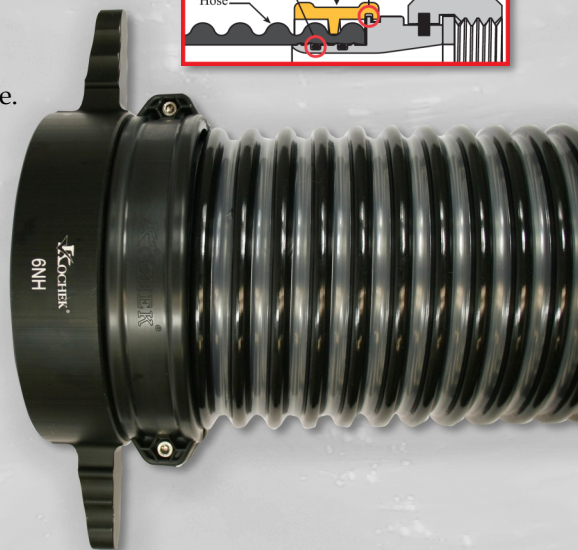
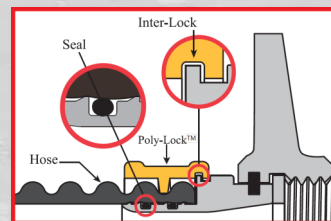
<sup>1</sup> Prolonged exposure to UV light may still cause degradation over time. For optimal longevity, always store out of direct sunlight.

<sup>2</sup> Sizes 3" and below feature bowl couplings (internal expansion ring type), which are not field repairable.

<sup>3</sup> Hoses over 10' long are tightly coiled for shipment, and should be opened completely upon receipt. Store straight, or loosely coiled.

<sup>4</sup> 8" size features grey helix and industrial barb type couplings with zinc-plated steel spiral bolt clamps. Maximum length of 40 feet.

<sup>5</sup> Actual service temperature range is application-dependent. The ideal temperature for storage of PVC hose ranges from 50°F to 70°F, with a maximum limit of 100°F.



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## MOST POPULAR SIZES & CONFIGURATIONS

| Part Number <sup>6</sup> | Nominal Hose Diameter (IN) | Nominal Hose Length (FT) | Coupling Design | Couplings - Diameter and Type                  |
|--------------------------|----------------------------|--------------------------|-----------------|--|
| P152-10                  | 1.5"                       | 10                       | Bowl            | 1.5" NH SWIVEL ROCKER LUG FEMALE x MALE        |
| P202-10                  | 2"                         | 10                       | Bowl            | 2" NH SWIVEL ROCKER LUG FEMALE x MALE          |
| P252-10                  | 3"                         | 10                       | Bowl            | 2.5" NH SWIVEL ROCKER LUG FEMALE x MALE        |
| P302-10                  | 3"                         | 10                       | Bowl            | 3" NH SWIVEL ROCKER LUG FEMALE x MALE          |
| 2P402-10                 | 4"                         | 10                       | Poly-Lock       | 4" NH SWIVEL ROCKER LUG FEMALE x MALE          |
| 2P452-10                 | 5"                         | 10                       | Poly-Lock       | 4.5" NH SWIVEL ROCKER LUG FEMALE x MALE        |
| 2P502-10                 | 5"                         | 10                       | Poly-Lock       | 5" NH SWIVEL ROCKER LUG FEMALE x MALE          |
| 2P602-10                 | 6"                         | 10                       | Poly-Lock       | 6" NH SWIVEL ROCKER LUG FEMALE x MALE          |
| P251-10                  | 3"                         | 10                       | Bowl            | 2.5" NH SWIVEL LONG HANDLE FEMALE x MALE       |
| P301-10                  | 3"                         | 10                       | Bowl            | 3" NH SWIVEL LONG HANDLE FEMALE x MALE         |
| 2P401-10                 | 4"                         | 10                       | Poly-Lock       | 4" NH SWIVEL LONG HANDLE FEMALE x MALE         |
| 2P451-10                 | 5"                         | 10                       | Poly-Lock       | 4.5" NH SWIVEL LONG HANDLE FEMALE x MALE       |
| 2P501-10                 | 5"                         | 10                       | Poly-Lock       | 5" NH SWIVEL LONG HANDLE FEMALE x MALE         |
| 2P601-10                 | 6"                         | 10                       | Poly-Lock       | 6" NH SWIVEL LONG HANDLE FEMALE x MALE         |
| 2P401FLH-10              | 4"                         | 10                       | Poly-Lock       | 4" NH SWIVEL FOLD. LONG HANDLE FEMALE x MALE   |
| 2P451FLH-10              | 5"                         | 10                       | Poly-Lock       | 4.5" NH SWIVEL FOLD. LONG HANDLE FEMALE x MALE |
| 2P501FLH-10              | 5"                         | 10                       | Poly-Lock       | 5" NH SWIVEL FOLD. LONG HANDLE FEMALE x MALE   |
| 2P601FLH-10              | 6"                         | 10                       | Poly-Lock       | 6" NH SWIVEL FOLD. LONG HANDLE FEMALE x MALE   |
| P257-10                  | 3"                         | 10                       | Bowl            | 2.5" STORZ x STORZ                             |
| P307-10                  | 3"                         | 10                       | Bowl            | 3" STORZ x STORZ                               |
| 2P407-10                 | 4"                         | 10                       | Poly-Lock       | 4" STORZ x STORZ                               |
| 2P507-10                 | 5"                         | 10                       | Poly-Lock       | 5" STORZ x STORZ                               |
| 2P607-10                 | 6"                         | 10                       | Poly-Lock       | 6" STORZ x STORZ                               |
| 2P405-10                 | 4"                         | 10                       | Poly-Lock       | 4" FOLDING LONG HANDLE STORZ x FLH STORZ       |
| 2P505-10                 | 5"                         | 10                       | Poly-Lock       | 5" FOLDING LONG HANDLE STORZ x FLH STORZ       |
| 2P605-10                 | 6"                         | 10                       | Poly-Lock       | 6" FOLDING LONG HANDLE STORZ x FLH STORZ       |
| 2P506-10                 | 5"                         | 10                       | Poly-Lock       | 5" RIGID LONG HANDLE STORZ x RLH STORZ         |
| P154-10                  | 1.5"                       | 10                       | Bowl            | 1.5" CAMLOCK FEMALE x MALE                     |
| P204-10                  | 2"                         | 10                       | Bowl            | 2" CAMLOCK FEMALE x MALE                       |
| P254-10                  | 3"                         | 10                       | Bowl            | 2.5" CAMLOCK FEMALE x MALE                     |
| P304-10                  | 3"                         | 10                       | Bowl            | 3" CAMLOCK FEMALE x MALE                       |
| 2P404-10                 | 4"                         | 10                       | Poly-Lock       | 4" CAMLOCK FEMALE x MALE                       |
| 2P504-10                 | 5"                         | 10                       | Poly-Lock       | 5" CAMLOCK FEMALE x MALE                       |
| 2P604-10                 | 6"                         | 10                       | Poly-Lock       | 6" CAMLOCK FEMALE x MALE                       |

## HOSE MATERIAL SPECIFICATIONS

| Nominal Hose Diameter (IN) | Outside Diameter (IN) | Minimum Bend Radius (IN) | Weight Per Foot Uncoupled (LB) | Outer Cover | Helix Color | Vacuum Rating at 68 Deg. F (inHg) | Service Temp. Range (Deg. F) |
|----------------------------|-----------------------|--------------------------|--------------------------------|-------------|-------------|-----------------------------------|------------------------------|
| 1.5"                       | 1.8"                  | 5"                       | 0.5                            | Smooth      | Green       | 28                                | -4° to 150°                  |
| 2"                         | 2.3"                  | 7"                       | 0.7                            | Smooth      | Green       | 28                                | -4° to 150°                  |
| 3"                         | 3.7"                  | 6"                       | 1.2                            | Convolutd   | Black       | Full                              | -4° to 150°                  |
| 4"                         | 4.8"                  | 8"                       | 1.9                            | Convolutd   | Black       | Full                              | -40° to 150°                 |
| 5"                         | 5.8"                  | 12"                      | 2.4                            | Convolutd   | Black       | 28                                | -40° to 150°                 |
| 6"                         | 7.1"                  | 14"                      | 3.8                            | Convolutd   | Black       | 28                                | -40° to 150°                 |

### Customizations

- Laser engraving is available.
- Other non-standard coupling types, colors, and special threads are available upon request.
- Custom lengths available, please call for part numbers.