

PVC Suction Hose

Convolted & Smooth

Kocher 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. ¹
- 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") ²
- Standard sizes include 1-1/2" - 6" diameters and continuous lengths up to 100'. ³
- 8" diameter hose is available upon request. ⁴
- 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. ⁵
- 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

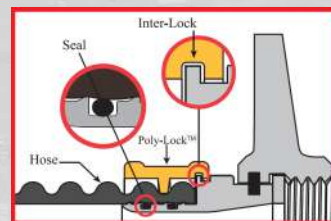
¹ Prolonged exposure to UV light may still cause degradation over time. For optimal longevity, always store out of direct sunlight.

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

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

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

⁵ 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 ⁶	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	Convuluted	Black	Full	-4° to 150°
4"	4.8"	8"	1.9	Convuluted	Black	Full	-40° to 150°
5"	5.8"	12"	2.4	Convuluted	Black	28	-40° to 150°
6"	7.1"	14"	3.8	Convuluted	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.