



Engineered to provide positive grip and ease of installation. High quality and reliability have made LASCO Fittings, Inc. insert fittings the preferred choice for irrigation and O.E.M. applications. A wide variety of PVC insert configurations and adapters are available for use with polyethylene pipe sizes 1/2" through 4". Special 3/8" barbed configurations in PVC and PP allow clamp-free connection to 1/2" I.D. polyethylene irrigation hose.

Superior Choice for Use with Polyethylene Pipe LASCO Fittings, Inc.

PVC Insert Fittings are designed for use with either ASTM D 2104 Schedule 40 or D 2239 SDR pressure rated polyethylene pipe. Chemical and corrosion resistant, rigid PVC barbed inserts provide excellent grip with polyethylene materials.

Conform to ASTM D 2609

LASCO Fittings, Inc. Insert Fittings are manufactured from high quality PVC materials to meet or exceed the applicable requirements of ASTM D 2609, Standard Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe.

Full Assortment of Configurations and Adapters

LASCO Fittings, Inc. broadline of gray PVC Insert Fittings includes popular configurations of elbows, tees, couplings and crosses. Numerous male and female NPT threaded adapters, elbows and tees plus white PVC Schedule 40 solvent cement socket and spigot adapters allow easy connection of insert fittings to supply or distribution systems.

NSF Certified for Use with Potable Water

LASCO Fittings, Inc.

Insert Fittings are tested and Certified by the NSF International for use in potable water systems.

Sample Engineering Specification

All thermoplastic Insert Fittings shall be produced by LASCO Fittings, Inc. from PVC Type I, Cell Classification 12454 meeting ASTM Standard D 1784, and shall be manufactured according to D 2609 for use with polyethylene pipe produced to ASTM D 2104 and D 2239. All Insert Fittings shall be certified by NSF for use in potable water service.

LASCO[®]
Fittings, Inc.

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LASCO Fittings, Inc.'s Broad Line of Configurations, Designed for Various Applications

| Standard PVC Gray Insert Fittings | |
|-----------------------------------|--|
| Tee | Insert x Insert x Insert Insert x Insert x Socket Insert x Insert x FPT Insert x Insert x MPT Slip x Slip x Insert |
| Reducing Tee | Insert x Insert x Insert Insert x Insert x Socket Insert x Insert x FPT Insert x Insert x MPT Insert x Insert x Double Helix |
| Bullhead Tee | Insert x Insert x Bullhead Insert |
| 90° Elbow | Insert x Insert Insert x FPT Insert x MPT |
| 90° Reducing Elbow | Insert x Insert Insert x FPT Insert x MPT Insert x Slip |
| Side Outlet 90° Ell | Insert x Insert x FPT |
| Side Outlet Tee | Insert x Insert x Insert x FPT |
| Cross | Insert x Insert x Insert x Insert |
| Coupling | Insert x Insert |
| Reducer Coupling | Insert x Insert Insert x Double Helix |
| Fitting Adapter | Insert x Spg/Slip |
| Female Adapter | Insert x FPT |
| Male Adapter | Insert x MPT |
| Reducing Male Adapter | Insert x MPT |
| Pool Adapter | MPT x 2" Length Spigot |
| Plug | Insert |

PVC White Adapters

| | |
|--------------------|---------------------|
| IPS Spigot Adapter | Insert x IPS Spigot |
| IPS Socket Adapter | Insert x IPS Socket |

Pool Adapters

| | |
|-----|----------------|
| PVC | Mipt x Hose ID |
|-----|----------------|

Dimensions of Polyethylene Pipe per ASTM D 2104 and D2239

| Nominal Size in | ½ | ¾ | 1 | 1¼ | 1½ | 2 | 2½ | 3 | 4 |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Average I.D. in. | .622 | .824 | 1.049 | 1.380 | 1.310 | 2.067 | 2.469 | 3.068 | 4.026 |
| Tolerance in. | +.010 | +.010 | +.010 | +.010 | +.015 | +.015 | +.015 | +.015 | +.015 |
| | -.010 | -.015 | -.020 | -.020 | -.020 | -.020 | -.025 | -.030 | -.035 |

NOTE: 1/2" Irrigation Hose has an average I.D. of .490 inch.