



Piedmont

PERMEATE CONNECTOR

TECHNICAL & COMMERCIAL DATA SHEET

PiPerLink



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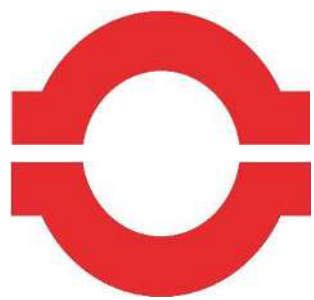
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1. COMPANY PROFILE

PIEDMONT PACIFIC specializes in providing engineered products for corrosive and high-pressure environments. Our expertise in the water industry has a long history which has allowed us to develop unique products for the water treatment and desalination industry.

MISSION & VISION. To provide the water treatment industry with engineered stainless steel and composite couplings in addition to fiberglass reinforced polyester cartridge filter housings, for wet and corrosive environments in order to maintain the mechanical integrity and safety of water treatment systems throughout their service life.

FIBERGLASS REINFORCED POLYESTER ADVANTAGE. Our cartridge filter housings are made of fiberglass reinforced polyester, one of the strongest non-metallic filter housings on the market. The main advantages of these filter housings are their complete corrosion resistance, their low maintenance content and ease of operation.

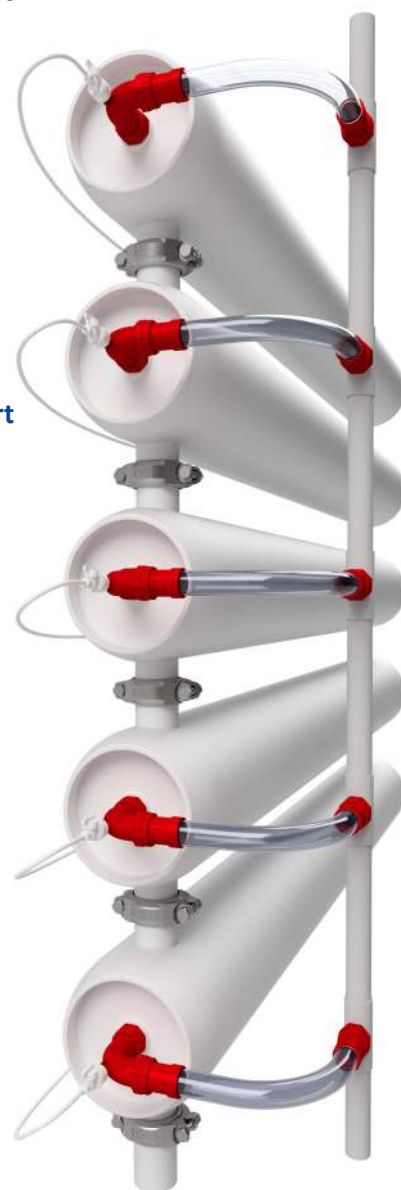
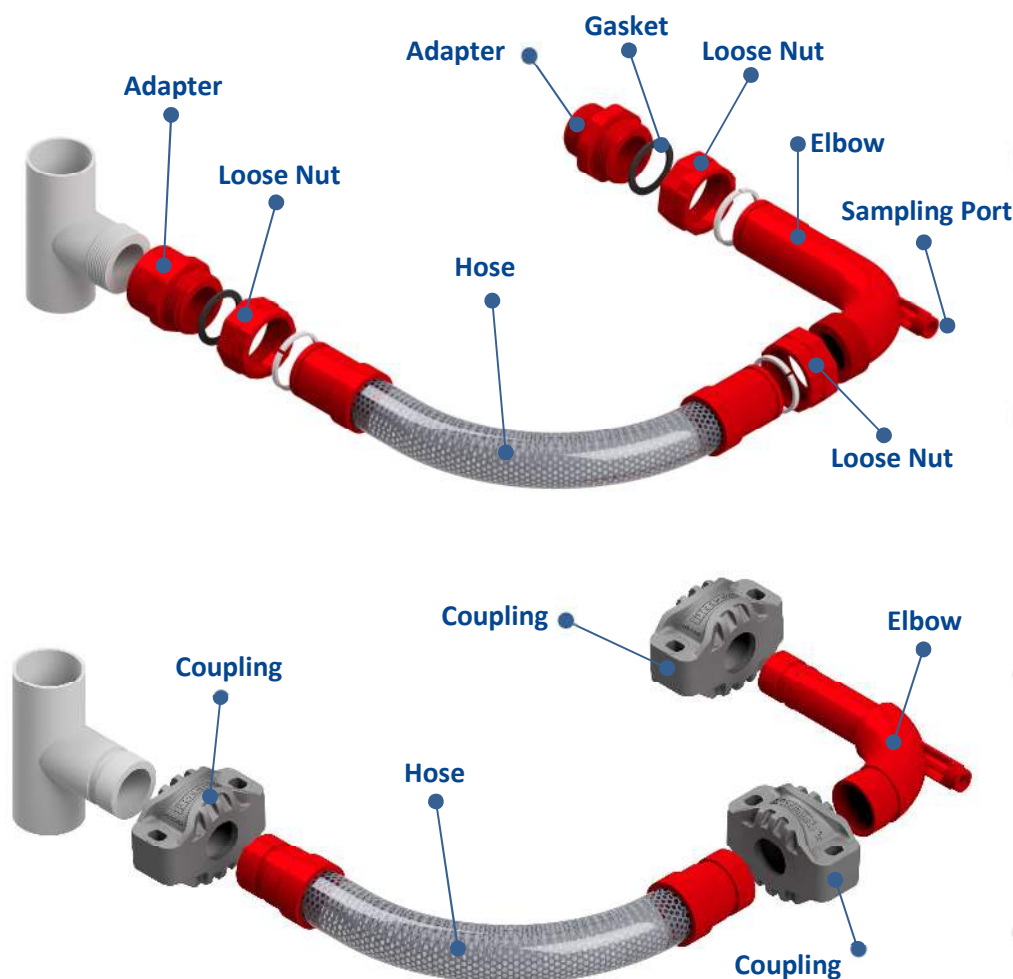
QUALITY CONTROL. Piedmont employs strict manufacturing standards to ensure the quality, durability and strength of all our parts. With each batch, we record quality data on a certificate of material at the factory and continue to monitor quality through the packaging and labeling of the boxes to shipment of the parts. Our suppliers comply with these same high-quality standards and are audited regularly by our QC team.



2. FEATURES & BENEFITS

PiPerLink

- A **solution for every RO/UF** vessel brand, type of connection and size.
- **Versatility** in design and variety of connection type that allows cost savings in the design, manufacturing and installation of plants.
- Improved hydrodynamic internal shape which leads to **energy savings** due to a **lower pressure drop**.
- 100% noncorrosive plastic material.
- **Thermo-sealed** (glue free).
- **Certified** for drinking water according to industry standards. In progress.
- **One product / One manufacturer / One supplier**
- **Customizable products** for a plug-and-play installation without any secondary operation (no need to cutting to size, welding, gluing...)
- More cost effective.
- Reduction of connections, lower risk of leaks.
- **Integrated sample port**. Probing testing can be done without disassembling the permeate connector.

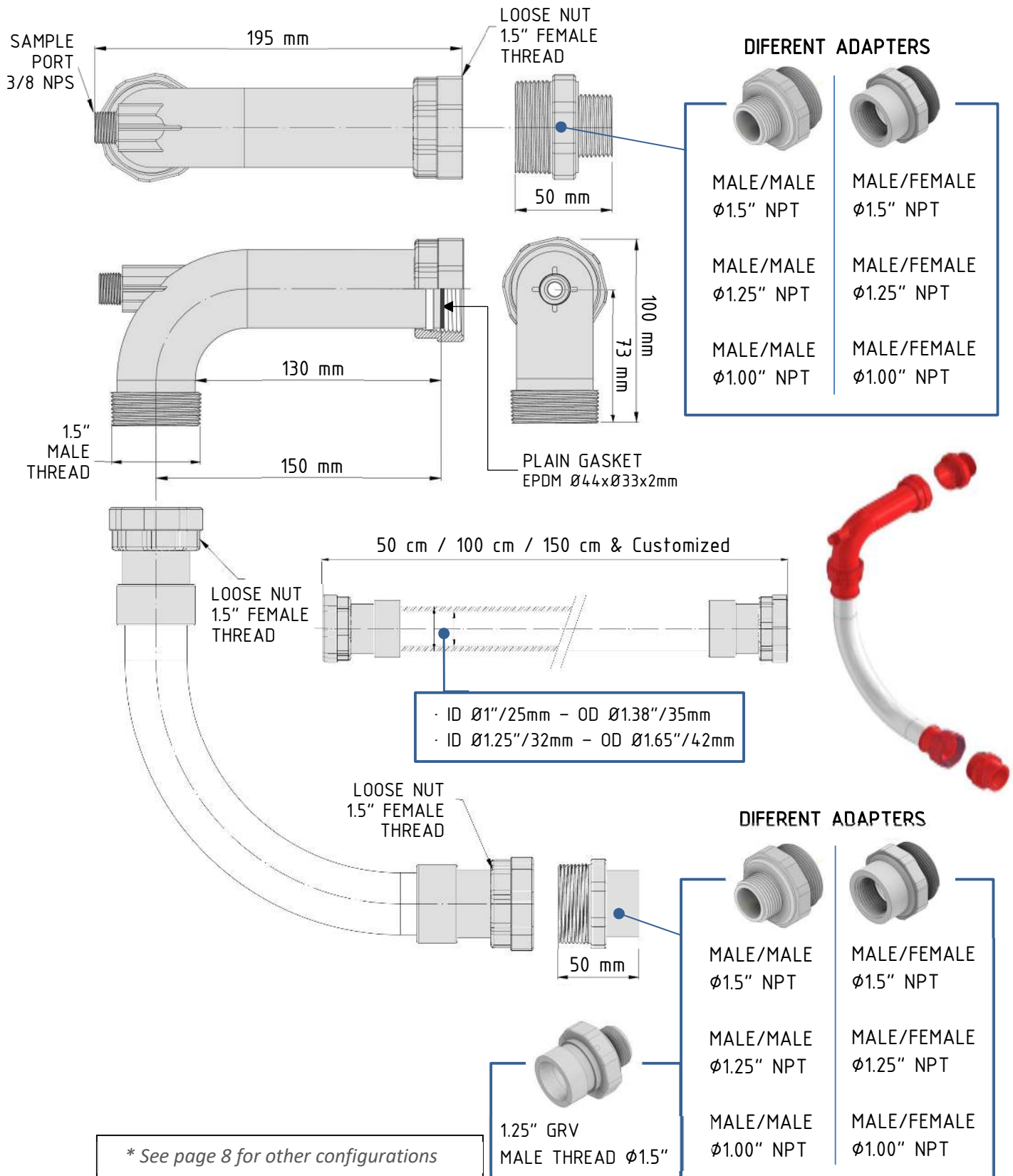


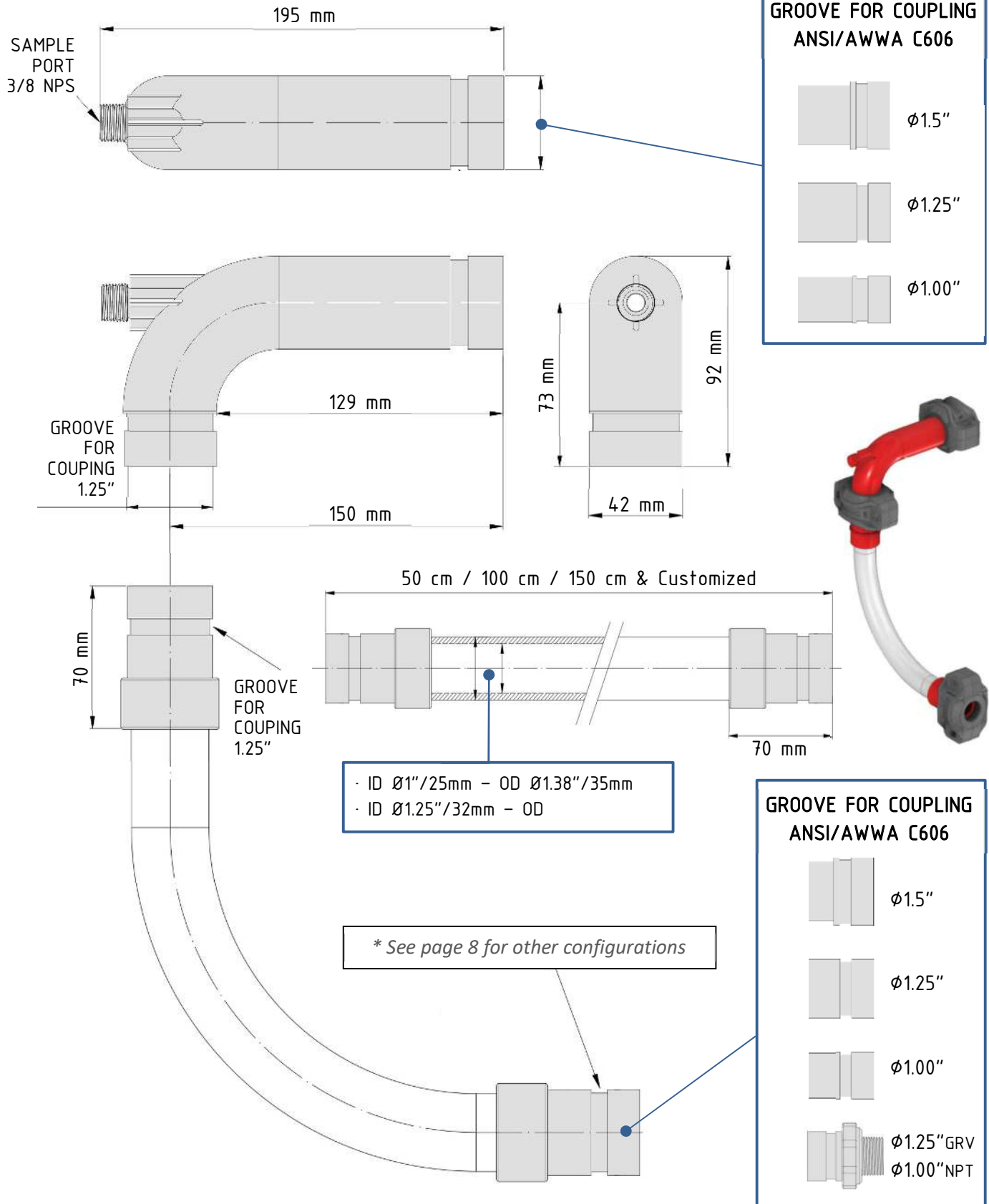
3. SPECIFICATIONS

PiPerLink




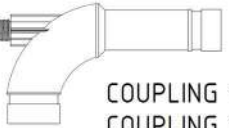
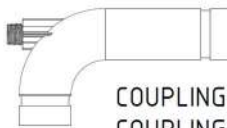

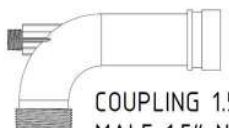

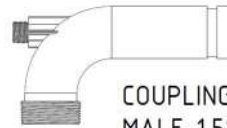

	ELBOW	HOSE
DIMENSIONS Ø:	1"/1.25"/1.5"	1"/1.25"/1.5"
LENGTH:	150 mm	50 cm / 100 cm / 150 cm /Customized upon request
MATERIALS:	PP (Polypropylene) + EPDM Elbow with UV Protector	PP (Polypropylene) + PVC + POM
COLOUR:	Red (others upon request)	Transparent / Opaque (white) with UV Protector
CONNECTIONS:	Loose Nut + Adapter / Coupling	Loose Nut + Adapter / Coupling / Welded
THREAD TYPES:	NPT / BSP (others upon request)	NPT / BSP (others upon request)
SAMPLE PORT:	3/8" Male NPS (other upon request)	-
DESIGN PRESSURE:	PN6 / 87 PSI	PN6 / 87 PSI
DESIGN TEMPERATURE:	60°C to -25°C / 140°F to -13°F	60°C to -25°C / 140°F to -13°F
CERTIFICATIONS:	Drinking water according to industry standards - NSF 61 Certificate	Drinking water according to industry standards - NSF 61 Certificate
COMPATIBLE OS VESSEL:	Reverse Osmosis RO Systems. Ultrafiltration UF Systems.	










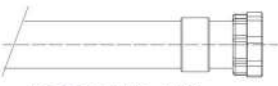



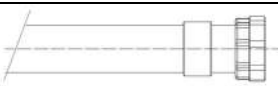
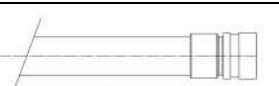
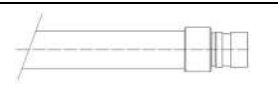
ELBOW

<p>PLE-150LN-125GRV</p>  <p>LOOSE NUT 1.5" COUPLING 1.25"</p>	<p>PLE-150LN-150M</p>  <p>LOOSE NUT 1.5" MALE 1.5"</p>	<p>PLE-150LN-125W</p>  <p>LOOSE NUT 1.5" M WELDED 1.25"</p>	ON DEMAND	
<p>PLE-100GRV-125GRV</p>  <p>COUPLING 1.00" COUPLING 1.25"</p>	<p>PLE-125GRV-125GRV</p>  <p>COUPLING 1.25" COUPLING 1.25"</p>	<p>PLE-125GRV-125W</p>  <p>COUPLING 1.25" M WELDED 1.25"</p>	<p>PLE 150GRV-150M</p>  <p>COUPLING 1.50" MALE 1.5" NPT</p>	ON DEMAND
<p>PLE-100GRV-150M</p>  <p>COUPLING 1.00" MALE 1.5"</p>	<p>PLE-125GRV-150M</p>  <p>COUPLING 1.25" MALE 1.5"</p>		<p>PLE-150GRV-125GRV</p>  <p>COUPLING 1.5 COUPLING 1.2</p>	ON DEMAND







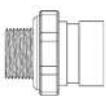



ELBOW > HOSE

 <p>LOOSE NUT 1.5"</p>	 <p>COUPLING 1.25"</p>	 <p>FEMALE WELDED 1.50"</p>	ON DEMAND
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HOSE > COLLECTOR

 <p>LOOSE NUT 1.5" HOSE Ø1.25" INT</p>	 <p>COUPLING 1.25" HOSE Ø1.25" INT</p>	 <p>COUPLING 1.50" HOSE Ø1.25" INT</p>	ON DEMAND	 <p>M WELDED 1.25" HOSE Ø1.25" INT</p>	ON DEMAND
 <p>LOOSE NUT 1.5" HOSE Ø1.00" INT</p>	 <p>COUPLING 1.25" HOSE Ø1.00" INT</p>	ON DEMAND	 <p>COUPLING 1.00" HOSE Ø1.00" INT</p>	ON DEMAND	

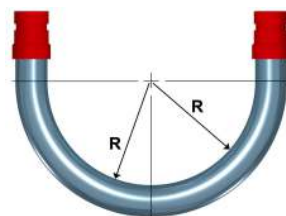
ADAPTERS > LOOSE NUT & OTHERS

 <p>MALE THREAD 1.5" MALE 1" NPT</p>	 <p>MALE THREAD 1.5" MALE 1.25" NPT</p>	 <p>MALE THREAD 1.5" MALE 1.5" NPT</p>	 <p>MALE THREAD 1.5" FEMALE 1" NPT</p>	 <p>MALE THREAD 1.5" FEMALE 1.25" NPT</p>	 <p>MALE THREAD 1.5" FEMALE 1.5" NPT</p>
 <p>MALE 1" NPT COUPLING 1.25"</p>	 <p>MALE THREAD 1.5" COUPLING 1.25"</p>	 <p>MALE THREAD 1.5" WELDED 1.25"</p>	ON DEMAND	 <p>MALE THREAD 1.5" FEMALE 1" BSP</p>	



Phthalate-free PVC hose with double reinforcement, textile and metal spiral, for suction and transfer of food and alcoholic liquids at 50°.

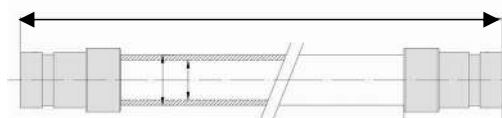
- For food use according to European regulations CE 1935/2004 and UE 10/2011.
- Certified to NSF/ANSI/CAN 61
- Good resistance to pressure and vacuum in suction.
- The tube wall is smooth inside and outside.
- Good chemical resistance, associated with the PVC resistance table.
- The recommended temperature for use is between -25°C and 60°C .
- No phthalates and free of Cd/Pb/Ba.
- With UV protection.



TECHNICAL DATA							
Ø INT (MM/IN)	Ø EXT (MM)	WEIGHT (GR/M)	SERVICE PRESSURE (BAR)	MINIMUM BURSTING PRESSURE (BAR)	BENDING RADIUS (MM)	VACUUM MH ₂ O	COLOUR
25 / 1.00"	35 / 1.38"	680	16	40	70 / 2.75"	9	Transparent Opaque (white)
32 / 1.25"	42 / 1.65"	800	16	40	80 / 3.15"	9	Transparent Opaque (white)

- Available hose lengths: **50 cm / 100 cm / 150 cm or as per customer.**

NOTE: Hose length is from face to face.



4. OPTIONS & CONFIGURATIONS

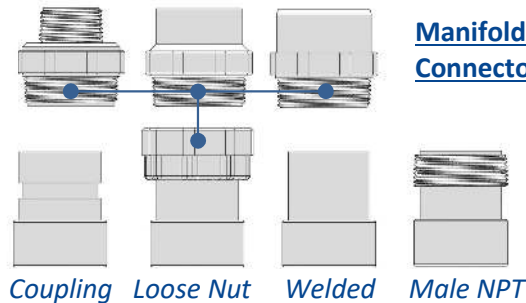
MODEL CODIFICATION & OPTIONS

Elbow PLE	Ø Diameter	RO Connector	Hose Connector	Length	Hose PLH	Ø Diameter	Elbow Connector	Manifold	Length	Ø ID
	1.00 in	LN NPT + Adapter	M NPT (1.5")	150mm		1.00 in	LN NPT (1.5in)	LN NPT + Adapter	50 cm	1"/25
	1.25 in	GRV	GRV (1.25")			1.25 in	GRV (1.25in)	GRV	100 cm	1.25"/32
	1.50 in					1.50 in		W	150 cm	
									On demand	
Example: PLE-150LN-150M					Example: PLH-125GRV-150LN-32-100-T					

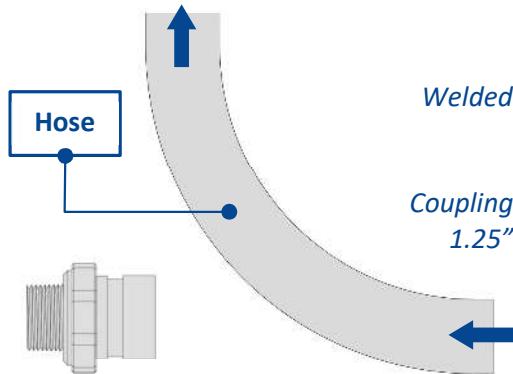
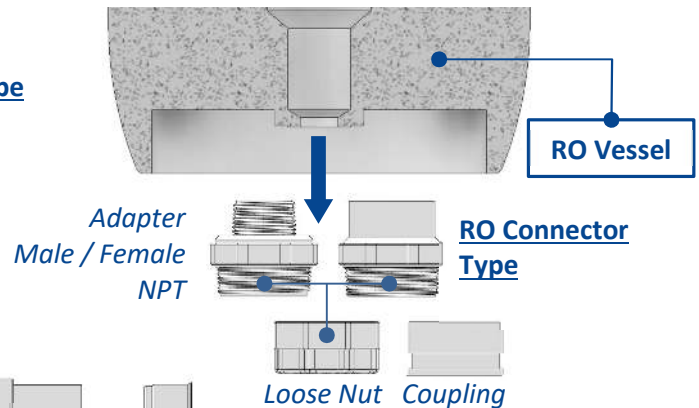
M: Male • LN: Loose Nut • GRV: Grooved Coupling • W: Welded • NPT: NPT Thread • BSP: BSP Thread

Adapters

- Male
- Female
- Welded



Manifold Connector Type



Adapter Elbow / Manifold
Coupling 1.25" / 1" Male NPT
Other diameters on demand

