

Cleanroom Port Disks



Before Choosing a Fitting, Consider the Following

When temperature and pressure are essential, ensure that the fittings you select are suitable for your operating conditions. It's important to note that most fittings cannot operate at their maximum temperature and maximum pressure ratings simultaneously.

Use these high-quality PVC-free fittings in biomedical, pharmaceutical, electronic, and other critical-use applications. Fittings are manufactured, double bagged, and sealed in a cleanroom to ensure that the integrity is not compromised. A cleanroom utilizes HEPA filtration systems to maintain air cleanliness levels of less than 10,000 particles of 0.5 µm or larger per cubic foot.



CERTIFICATION

Cole-Parmer will provide a certificate of compliance FREE at your request where applicable.

APPLICATIONS

- Bioprocess, life sciences, and pharmaceutical industries
- General-purpose, laboratory, and single-use applications to connect tubing with the rest of your system

FEATURES/BENEFITS

- Free technical application support available to determine which connector type is needed for your application
- Manufactured in a cleanroom to minimize contamination by pollutants
- Mini-dome protrusions inhibit suction blockage
- Ultrasonic, radio frequency, or thermal weld to polyethylene bags
- Natural Kynar® is biopharma compatible and USP 661 and BPOG compliant
- Polypropylene (PP) meets FDA requirements 21 CFR 177.1520(a)(3) (i) and (c)3.1a and RoHS compliant

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Materials

PVDF (Kynar®)

- Excellent chemical resistance
- Temperature range: -62 to 129 °C (-80 to 265 °F)
- Sterilize by ethylene oxide or autoclave

Its trade name, Kynar, often refers to PVDF (polyvinylidene fluoride). PVDF is a high-purity engineering thermoplastic with excellent chemical resistance, abrasion resistance, flame resistance, and UV stability. PVDF is widely used for chemical tank liners and semiconductor equipment components.

Polypropylene (PP)

- Very good chemical resistance
- Temperature range: -13 to 66 °C (9 to 180 °F)
- Sterilize by ethylene oxide or gamma irradiation

Polypropylene is resistant to weak inorganic acids, organic acids, alcohols, ammonia, and oxidizing salts and has limited resistance to aliphatic hydrocarbons, esters, ketones, and ethers. Polypropylene is generally not recommended for aromatic and halogenated hydrocarbons.

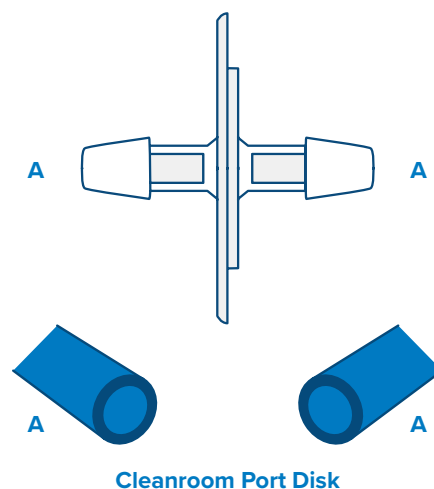
Engage 8402

- Good chemical resistance
- Max temperature range: 96 °C (205 °F)

This ethylene-octene copolymer offers excellent performance in durable, flexible injection molded industrial and consumer goods. This provides high clarity in products requiring visual inspection and allows hot runner molds to enhance production efficiency. In addition, its low density can help control resin and production costs, while reducing the weight of the end products

Fittings

For additional options and complete offering, visit coleparmer.com.



Specification and Ordering Table

Tube ID Dimensions (A)	Material	Type	Item number	Pack Size
1/8"	Engage 8402	Cleanroom Port Disk	5011691	10/pk
3/16"	Engage 8402	Cleanroom Port Disk	5011692	10/pk
1/4"	Engage 8402	Cleanroom Port Disk	5011693	10/pk
1/4"	Natural Kynar Flex	Cleanroom Port Disk	5011696	10/pk
1/4"	Polypropylene	Cleanroom Port Disk	5011699	10/pk
3/8"	Engage 8402	Cleanroom Port Disk	5011694	10/pk
3/8"	Natural Kynar Flex	Cleanroom Port Disk	5011697	10/pk
1/2"	Engage 8402	Cleanroom Port Disk	5011695	10/pk
1/2"	Natural Kynar Flex	Cleanroom Port Disk	5011698	10/pk
1/2"	Polypropylene	Cleanroom Port Disk	5011700	10/pk
5/8" Barb	Engage 8402	Cleanroom Port Disk	5011701	10/pk
5/8" Barb	Natural Kynar Flex	Cleanroom Port Disk	5011712	10/pk
5/8" Barb	Polypropylene	Cleanroom Port Disk	5011722	10/pk
3/4" Barb	Engage 8402	Cleanroom Port Disk	5011702	10/pk
3/4" Barb	Natural Kynar Flex	Cleanroom Port Disk	5011713	10/pk
1" Barb	Engage 8402	Cleanroom Port Disk	5011703	10/pk
1" Barb	Natural Kynar Flex	Cleanroom Port Disk	5011714	10/pk
1" Barb	Polypropylene	Cleanroom Port Disk	5011723	10/pk
5/32" Barb	Engage 8402	Cleanroom Port Disk	5011704	10/pk
5/32" Barb	Natural Kynar Flex	Cleanroom Port Disk	5011715	10/pk
1/8" Barb	Engage 8402	Cleanroom Port Disk	5011705	10/pk
1/8" Barb	Natural Kynar Flex	Cleanroom Port Disk	5011716	10/pk
3/16" Barb	Engage 8402	Cleanroom Port Disk	5011706	10/pk
3/16" Barb	Natural Kynar Flex	Cleanroom Port Disk	5011717	10/pk
1/4" Barb	Engage 8402	Cleanroom Port Disk	5011707	10/pk
1/4" Barb	Natural Kynar Flex	Cleanroom Port Disk	5011718	10/pk
1/4" Barb	Polypropylene	Cleanroom Port Disk	5011724	10/pk
5/16" Barb	Engage 8402	Cleanroom Port Disk	5011708	10/pk
5/16" Barb	Natural Kynar Flex	Cleanroom Port Disk	5011719	10/pk
3/8" Barb	Engage 8402	Cleanroom Port Disk	5011709	10/pk
3/8" Barb	Natural Kynar Flex	Cleanroom Port Disk	5011720	10/pk
3/8" Barb	Polypropylene	Cleanroom Port Disk	5011725	10/pk
1/2" Barb	Engage 8402	Cleanroom Port Disk	5011710	10/pk
1/2" Barb	Natural Kynar Flex	Cleanroom Port Disk	5011721	10/pk
1/2" Barb	Polypropylene	Cleanroom Port Disk	5011726	10/pk
Female Luer	Engage 8402	Cleanroom Port Disk	5011711	10/pk