



ELDON JAMES

Bag Ports - Single-Use Bioreactor Port Disc

Bag Ports, also called Port Plates or Port Disks, are made for ultrasonic or thermal welding to like materials used in the medical and pharmaceutical industries.

These single-use bags are used to transfer drug compounds, cell culture (both animal and plant), and fermentation as well as other media and fluid in the bio-pharmaceutical industry. Port discs are also used in the biomedical market and laboratory environment in fluid management applications.

Barb sizes range from 1/8" to 1", and four base types. Opposing Barb Port Discs, Flat Plate Port Discs, Mini Dome Port Discs and Ribbed Base Port Plates. Boat Ports also available with single and multi-barb configurations.

Materials

E8402

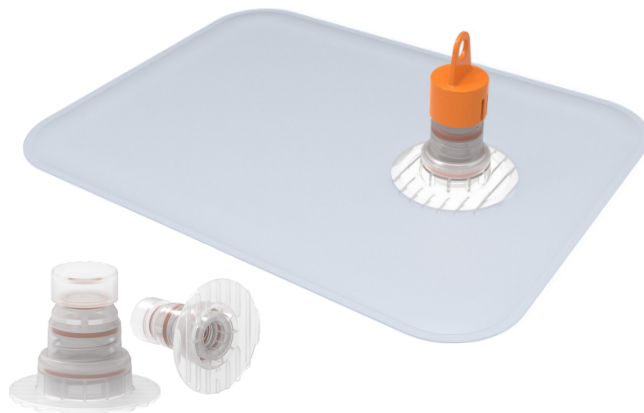
A POE copolymer that offers excellent performance as it is durable and flexible. Parts molded in this material provide high clarity. The material's low density can reduce the weight of end products. E8402 is the perfect material for bag ports as the port will curve with the bag film rather than being a rigid material working against the bag film. The barb will also flex, giving our parts an advantage over other brittle materials that could crack with sideload.

Kynar Flex®

A Polyvinylidene fluoride (PVDF) copolymer offers flexibility, chemical resistance, imperviousness to UV, barrier properties and high purity. Kynar Flex is the perfect material for bag ports that can be ultrasonic welding to a Kynar® bag. The barb will also flex giving our parts an advantage over other brittle materials that could crack with sideload.

Typical Applications for Bags with Ports:

- Fluid Hold and Transfer Applications
- Single-Use Assemblies
- Buffer and media storage
- Bioreactor feed and harvest
- Product sampling





PD - Port Discs with Flat Plate / Mini Domes

Mini-Dome protrusions inhibit suction blockage

Hose Barb	Base - Flat/Mini Dome	Engage E8402	Natural Kynar® Flex
1/8"	2 1/4" Disc	PD2-E8402-QC	PD2-NKF-QC
5/32"	2 1/4" Disc	PD2.5-E8402-QC	PD2.5-NKF-QC
3/16"	2 1/4" Disc	PD3-E8402-QC	PD3-NKF-QC
1/4"	2 1/4" Disc	PD4-E8402-QC	PD4-NKF-QC
5/16"	2 1/4" Disc	PD5-E8402-QC	PD5-NKF-QC
3/8"	2 1/4" Disc	PD6-E8402-QC	PD6-NKF-QC
1/2"	2 1/4" Disc	PD8-E8402-QC	PD8-NKF-QC
5/8"	2 1/4" Disc	PD10-E8402-QC	PD10-NKF-QC
3/4"	2 1/4" Disc	PD12-E8402-QC	PD12-NKF-QC
1"	2 1/4" Disc	PD16-E8402-QC	PD16-NKF-QC



PDO - Opposing Barb Ports

Designed for sample port and dip tube applications

Hose Barb	Base - Flat	Engage E8402	Natural Kynar® Flex
1/8"	2 1/4" Disc	PDO2-E8402-QC	PDO2-NKF-QC
3/16"	2 1/4" Disc	PDO3-E8402-QC	PDO3-NKF-QC
1/4"	2 1/4" Disc	PDO4-E8402-QC	PDO4-NKF-QC
3/8"	2 1/4" Disc	PDO6-E8402-QC	PDO6-NKF-QC
1/2"	2 1/4" Disc	PDO8-E8402-QC	PDO8-NKF-QC



PND - Port Disc

Flexible, smooth flat base

Hose Barb	Base - Flat	Engage E8402	Natural Kynar® Flex
1/8"	2 1/4" Disc	PND2-E8402-QC	PND2-NKF-QC
5/32"	2 1/4" Disc	PND2.5-E8402-QC	PND2.5-NKF-QC
3/16"	2 1/4" Disc	PND3-E8402-QC	PND3-NKF-QC
1/4"	2 1/4" Disc	PND4-E8402-QC	PND4-NKF-QC
5/16"	2 1/4" Disc	PND5-E8402-QC	PND5-NKF-QC
3/8"	2 1/4" Disc	PND6-E8402-QC	PND6-NKF-QC
1/2"	2 1/4" Disc	PND8-E8402-QC	PND8-NKF-QC
5/8"	2 1/4" Disc	PND10-E8402-QC	PND10-NKF-QC
3/4"	2 1/4" Disc	PND12-E8402-QC	PND12-NKF-QC
1"	2 1/4" Disc	PND16-E8402-QC	PND16-NKF-QC



PND - Luer Port Disc

Flexible, smooth flat base

Hose Barb	Base - Flat	Engage E8402	Natural Kynar® Flex
Lg Bore Luer	2 1/4" Disc	PND-LBLF-E8402-QC	PND-LBLF-NKF-QC
Std Luer	2 1/4" Disc	PND-LF-E8402-QC	PND-LF-NKF-QC



PP - Port Plate

Ribbed base prevents suction blockage and increases rigidity

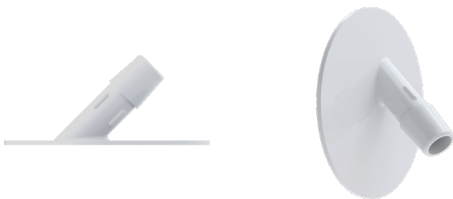
Hose Barb	Base - Flat	Engage E8402	Natural Kynar® Flex
1/8"	1 3/4" Ribbed	PP2-E8402-QC	PP2-NKF-QC
5/32"	1 3/4" Ribbed	PP2.5-E8402-QC	PP2.5-NKF-QC
3/16"	1 3/4" Ribbed	PP3-E8402-QC	PP3-NKF-QC
1/4"	1 3/4" Ribbed	PP4-E8402-QC	PP4-NKF-QC
5/16"	1 3/4" Ribbed	PP5-E8402-QC	PP5-NKF-QC
3/8"	1 3/4" Ribbed	PP6-E8402-QC	PP6-NKF-QC
1/2"	2 1/4" Ribbed	PP8-E8402-QC	PP8-NKF-QC
5/8"	2 1/4" Ribbed	PP10-E8402-QC	PP10-NKF-QC
3/4"	2 1/4" Ribbed	PP12-E8402-QC	PP12-NKF-QC
1"	2 1/4" Ribbed	PP16-E8402-QC	PP16-NKF-QC



38-400 1" Bottle Cap Thread

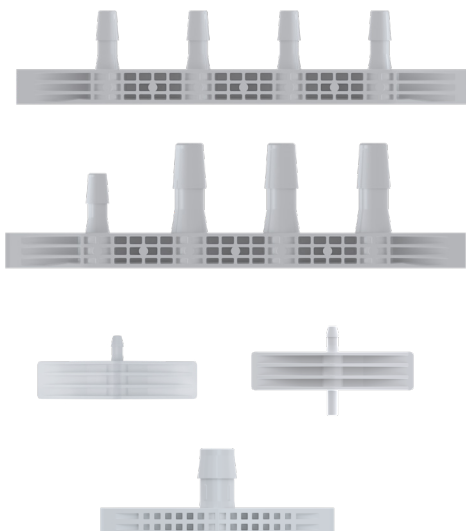
Wide 1" opening suitable for high viscosity liquid and powders

Thread	Base - Flat	Engage E8402	Natural Kynar® Flex
38-400	2 1/4" Disc	PD38-400-E8402-QC	PD38-400-NKF-QC



45 Degree Condensation Port

Hose Barb	Engage E8402
3/8"	P0018-E8402-QC



BP - Bag Port Boat Welds

Designed to weld into the seam of a bag

Hose Barb	Engage E8402
1/4" • 1/4" • 1/4" • 1/4"	BP4-4-4-4-E8402-QC
3/8" • 3/8" • 3/8" • 1/4"	BP6-6-6-4-E8402-QC
3/32"	BP1.5-E8402-QC
3/32" with Opposing Shaft	BPOS1.5-E8402-QC
5/8"	BP10-E8402-QC

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SeriesLock®
CHANGING THE WAY YOU CONNECT™

SeriesLock® is a sterile quick-disconnect solution that allows a larger volume of fluid to pass through at lower line pressures. SeriesLock® quick disconnects are available in male valved bag ports with a variety of female options to select from. Housing materials are available in polypropylene, and natural Kynar® with the plate in Engage 8402.

Connect with us
for more information and other
SeriesLock® Products

Part Number Schema 100 Series:

Port Plate Part Number Schema Male Valved

PP	M V	K E	S E	4 QC	01
[SERIES TYPE]	[BODY] [FLOW]	[MATERIAL]	[O-RING] [SPRING]	[BARB] [QC]	[QTY]
[SERIES TYPE]: PP – Port Plate	[BODY TYPE]: M – Male [FLOW TYPE]: V – Valve Flow	[MATERIAL]: HOUSING MATERIAL: K – Kynar P – Polypropylene PLATE MATERIAL E – Engage 8402	[O-RING TYPE]: B – Buna-N E – EPDM E2 – EP (NSF/FDA) F – FFKM S – Silicone V – Viton N – Non-Lubed Silicone [SPRING TYPE]: S – 302 SST E – Non-Magnetic	[BARB SIZE]: 2 – 1/8” 3 – 3/16” 4 – 1/4” 5 – 5/16” 6 – 3/8” 8 – 1/2” 10 – 5/8” 12 – 3/4” [CLEANROOM MFG]: QC – Cleanroom Manufactured	[PACKAGE QTY]: 01 – Single Unit B – QTY XX Bulk Pack



Contact us at:
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Consider qualifying one manufacturer for all
your tubing, fitting, and assembly products.

