

PNEULINE FEATURED PRODUCTS

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Discover Pneuline’s Expanding Range of In-House Manufactured Products.
At Pneuline, we take pride in our ever-growing lineup of meticulously crafted products. From robust bulkheads to versatile barbed connectors, our offerings are designed to meet your pneumatic needs with precision and reliability, from Bulkheads to Barbed Connectors. Check Valves to Filters—luers to our new self-closing valves.

BHUDC SERIES



The **BHUDC Series Bulkheads are Manufactured by *Pneuline Supply***, *Inc.* in-house and offer a unique flat side for a Greenlee D punch, thus avoiding the possibility for the Bulkhead to turn. Bulkheads are assigned sizes from the outside of the panel to the inside. Available in 1/8 inch, 1/4 inch, and 3/8 inch Hose Barb sizes, or any combination. The 3/8 inch panel fitting does not have a flatted side. Also, the materials available are Natural Nylon, Black Nylon, Polypropylene, PVDF, and Acetal. Zinc-plated nuts are available for Nylon bulkheads, and Nylon nuts are available for all other bulkheads.

SKU	Description	Materials
BHUDC-2B2B	1/8 inch Barb by 1/8 inch Barb Bulkhead	Nylon (Natural or Black) Glass-Filled Nylon (Natural or Black) Polypropylene Kynar®
BHUDC-2B4B	1/8 inch Barb by 1/4 inch Barb Bulkhead	Nylon (Natural or Black) Glass-Filled Nylon (Natural or Black) Polypropylene Kynar®
BHUDC-4B4B	1/4 inch by 1/4 inch Bulkhead	Nylon (Natural or Black) Glass-Filled Nylon (Natural or Black) Polypropylene Kynar®
BHUDC-4B6B	1/4 inch Barb by 3/8 inch Barb Bulkhead	Nylon (Natural or Black) Glass-Filled Nylon (Natural or Black) Polypropylene Kynar®
BHUDC-6B6B	**3/8 inch Barb by 3/8 inch Barb Bulkhead**	**Nylon (Natural or Black) Glass-Filled Nylon (Natural or Black) Polypropylene Kynar®**



WPF SERIES | PLASTIC INLINE FILTERS

WPF Series Plastic Inline Filters

Manufactured by Pneuline Supply, WPF Series Plastic Inline Filters are designed for laboratory, medical, industrial, fluid handling, and process filtration applications. Available with multiple housing materials, barb and luer connections, and filtration ratings from 5 to 1000 microns, these filters can be customized to meet exact application requirements.

- Multiple housing materials
- Barb and luer connections available
- 5 to 1000 micron filtration options
- Operating pressure up to 50 PSI
- Custom OEM configurations

Connection Options

The WPF Series is available with the following connection styles:

Barb Connections

- 1/8"
- 3/16"
- 1/4"
- 5/16"
- 3/8"

Luer Connections

- Male Luer
- Female Luer
- ISO 594 Compatible

Housing Materials

- Polypropylene - Chemical resistant
- Polycarbonate - Transparent housing
- Nylon (Glass-Filled Available) - Durable and abrasion resistant
- Acetal - High strength
- PVDF (Kynar® 720) - Superior chemical resistance

Filter Media Options

Polyester

- 5 Micron
- 10 Micron
- 20 Micron
- 44 Micron
- 64 Micron
- 75 Micron
- 105 Micron
- 150 Micron
- 177 Micron
- 200 Micron

- 250 Micron

Porous Polyethylene

- 15-45 Micron
- 45-90 Micron
- 90-160 Micron

Stainless Steel

304 Stainless Steel

- 61 Micron
- 74 Micron
- 103 Micron
- 149 Micron

316L Stainless Steel

- 44 Micron

Need a Custom Filter?

Our engineering team can help determine the ideal housing material, connection style, and filtration level for your application.

Request a quote today

View Product Flyer

SKU	Description
WPF-2B-(BODY)-(FILTER)	1/8" Barb
WPF-3B-(BODY)-(FILTER)	3/16" Barb
WPF-4B-(BODY)-(FILTER)	1/4" Barb
WPF-5B-(BODY)-(FILTER)	5/16" Barb
WPF-6B-(BODY)-(FILTER)	3/8" Barb

LD SERIES | LAB DISCONNECTS



Pneuline Supply, Inc. manufactures these low-pressure Lab Disconnects made from either Polyethylene or Polypropylene which are used in laboratories for vacuum applications, low-pressure lines, water lines, and inert gases. They connect various tubing sizes from 1/8 inch, 7/32 inch, 1/4 inch, and .170 ID tube lines. They can be purchased with a Viton® or EPDM disc Check Valve, or with a porous Polyethylene filter. A unique pick-up tube line assembly for use in drawing air or water from containers is also available.

SKU	Description
LD-F-LDPE	Female LDPE Lab Disconnect
LD-F-PP	Female Polypropylene Lab Disconnect
LD-LDPE	Male/Female LDPE Complete Lab Disconnect
LD-M-LDPE	Male LDPE Lab Disconnect
LD-M-NB-PP	Male No-Barb Polypropylene Lab Disconnect

GEN1 SERIES BARBED FITTINGS



GEN1 Series, manufactured by Pneuline, are single-barbed plastic fittings without a parting line on the barb.

Click Here to View Material Options.

Choosing the Right Material for Your Application

- **Black Nylon** – Built to withstand the sun! With UV resistance, it's perfect for outdoor use.
- **Glass-Filled Nylon** – Stronger and liquid-resistant, ideal for water-heavy environments and rugged motor vehicles like motorcycles, boats, and cars.
- **PVDF, Polypropylene & Polycarbonate** – These **Class 6 USP** materials meet the highest standards for medical and bio-pharmaceutical applications and are completely bovine-free.
- **Acetal** – Certified for **NSF 51/61** standards, making it a trusted choice for potable water and food-related applications.

Regardless of the industry, we offer materials designed for durability, compliance, and optimal performance.

Available Connection Types:

✔ **Tees** – Branch flow in two directions.

✔ **Elbows** – Redirect flow at an angle.

✔ **Straight Connections** – Maintain direct, linear flow.

✔ **F Style Port Connections** – Multi-barb ports for complex routing.

✔ **E Style Port Connections** – Multi-barb ports for modular setups.

*Our products can be manufactured in **Class 7 cleanroom environment**, ensuring the highest levels of cleanliness and contamination control.*

GEN1 Series offers barbed fittings in a range of sizes—**1/16", 1/8", 3/16", 1/4", and 3/8"**

View our Flyer Here

SKU	Description	Material Options
GEN1-T-1B	1/16 inch Single Barb Tee	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
Gen1-T-2B	1/8 inch Single Barb Tee	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available Polypropylene"
Gen1-T-3B	3/16 Single Barb Tee	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
GEN1-T-4B	1/4 inch Single Barb Tee	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
GEN1-T-6B	3/8 inch Single Barb Tee	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
Gen1-L-1B	1/16 inch Barbed Elbow	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
Gen1-L-2B	1/8 Inch Barbed Elbow	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
GEN1-L-3B	3/16 inch Single Barb Elbow	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene

SKU	Description	Material Options
GEN1-L-4B	1/4 inch Single Barb Elbow	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
GEN1-L-6B	3/8 inch Single Barb Elbow	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
Gen1-S-1B	1/16 Inch Single Barb Straight	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
Gen1-S-2B	1/8 inch Single Barb Straight	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
GEN1-S-3B	3/16 inch Single Barb Straight	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
GEN1-S-4B	1/4 inch Single Barb Straight	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
GEN1-S-6B	3/8 inch Single Barb Straight	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
GEN1-F-2B	1/8 inch Multi Port F Style	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene
GEN1-MAN-2B	1/8 inch Multi Port E Manifold Style	Glass-Filled Nylon (Black Available) Nylon (Black Available) Kynar® (Gray Available) Polypropylene



DTF-S SERIES

The DTF-S Series is a three-port F-style fitting usually used with flexible tubing. It can expand tubing by 50% of its normal ID. This permits high-pressure capabilities. This fitting is available in White Nylon and Natural Polypropylene. All three ports are equal. Available barb sizes are 1/16 inch, 3/32 inch, and 1/8 inch.

SKU	Description
DTF-S-1B-NPP	1/16 inch Natural Polypropylene F-Style Single Barbed Double Tube Tee Connector
DTF-S-1B-WN	1/16 inch White Nylon F-Style Single Barbed Double Tube Tee Connector
DTF-S-2B-NPP	1/8 inch Natural Polypropylene F-Style Single Barbed Double Tube Tee Connector
DTF-S-2B-WN	1/8 inch White Nylon F-Style Single Barbed Double Tube Tee Connector
DTF-S-332B-WN	3/32 inch White Nylon F-Style Single Barbed Double Tube Tee Connector
DTF-S-332-P	3/32 inch Natural Polypropylene F-Style Single Barbed Double Tube Tee Connector



DTP-S SERIES

The DTP-S Series fittings are in four-port elbow tee configurations. Included in this series is the DTTP-S Series, which is a six-port double tee configuration. Both series have single barbs with no parting line, and the barbs will expand tubing 50% above its normal size. In addition, the materials available are White Nylon and Natural Polypropylene. Furthermore all the barbs on each fitting are equal to 1/16 inch, 3/32 inch, and 1/8 inch. These fittings are recommended for medical and laboratory environments.

SKU	Description
DTP-S-1B	1/16 Single Barb Double Tee
DTP-S-2B	1/8 Single Barb Double Tee
DTP-S-332	3/32 Single Barb Double Tee
DTTP-S-1B	1/16 Single Barb Quad Tee
DTTP-S-2B	1/8 Single Barb Quad Tee
DTTP-S-332B	3/32 Single Barb Quad Tee

RPF SERIES



Pick-up filter for the end of tube lines. Barb fittings of 1/8”, 3/16”, 1/4”, 5/16” and 3/8”. Made of Polypropylene, Acetal, and PVDF with Polyester screens. The screens range from 10 microns to 250 microns. The screen is recessed at the bottom of the filter.

SKU	Description
RPF-3B-P-177P	Pickup Filter 3/16 Poly 177 M Polypro
RPF-3B-NP-75PES	Pickup Filter 3/16 Poly 64 M Polyester
RPF-3BPP-150PES	Pickup Filter 3/16 150 M Polyester
RPF-3BPP-177P	Pickup Filter 3/16 177 M Polypro
RPF-4B-AC-177P	Pickup Filter1/4 Acetal 177 Polypro screen
RPF-4BN-250PES	Pickup Filter1/4 Nylon 250 M Polyester

G1 SERIES GAUGE



G1 Series Pressure Gauge has an ABS case with a Brass movement and a dial size of 1”. The Gauge is available in 30, 60, 100, and 160 psi. There is a 1/8” MNPT center back mount that can also accommodate a 10-32 male UNF fitting inside that 1/8” fitting. Also, the operating temperature for this gauge is 0˚ F to 160˚ F. The maximum supply is 50% over the gauge pressure range. Furthermore, his gauge is recommended for use with steam, air, oil, and water.

SKU	DESCRIPTION
G1-CBM-30	1 inch GAUGE CBM 0-30
G1-CBM-60	1 inch GAUGE CBM 0-60
G1-CBM-100	1 inch GAUGE CBM 0-100
G1-CBM-160	1 inch GAUGE CBM 0-160

4F4B SERIES | PLASTIC CONNECTOR



The 4F4B Series FNPT to 1/4" Barbed Plastic Connector—a precision-engineered solution designed for secure, leak-free connections in fluid transfer applications. This versatile connector features **FNPT threading**, ensuring a reliable, tight fit, while the **1/4-inch barbed end** offers compatibility with a range of tubing sizes.

Manufactured from high-quality **Kynar (PVDF) and HDPE** materials, the 4F4B Series delivers exceptional durability and resistance to chemicals, abrasion, and environmental stress. **Kynar** provides superior strength and thermal stability, making it ideal for high-demand applications, while **HDPE** offers lightweight resilience with excellent corrosion resistance.

Whether used in industrial, medical, or laboratory settings, the **4F4B Series** ensures optimal flow control and secure fluid conveyance. **Upgrade your system today with the reliability and performance of this premium plastic connector!**

C-342-6 SERIES| STRAINER



Introducing the C-342-6 Series Pickup Strainer—your ultimate solution for preventing debris from flowing upward in tube lines, ensuring a clean and efficient system. Engineered for reliability and versatility, this strainer is available in **Polypropylene, Nylon, and Acetal** materials to suit a range of applications.

Designed to fit seamlessly into various setups, the **multi-barbed hose sizes** come in **1/8, 3/16, 1/4, 5/16, and 3/8 inches**, offering a secure and leak-free connection. The integrated **polyester strainers**, available in a broad range of **65 to 1000 microns**, provide superior filtration, safeguarding your system against unwanted particles.

Upgrade your filtration system with the **C-342-6 Series**, where durability meets precision. **Request a quote today and experience enhanced performance firsthand!**



PSSV SERIES

Precision-crafted in a **Class 7 Cleanroom**, our **PSSV Series Self-Sealing Check Valves** provide superior **back-flow prevention** for **critical air and fluid applications**. Designed for **medical, respiratory, ventilator, and bio-pharmaceutical** environments, these valves ensure **high-purity performance and contamination control**.

✔ **Reliable Back-Flow Prevention**

- Innovative **retractable silicone disk** for secure sealing
- Designed for pressures **under 50 PSI**, ensuring dependable flow control

✔ **High-Quality Materials for Medical-Grade Durability: Polycarbonate & Polypropylene** housings

Additional material options: **Radiation-Stable Polycarbonate & PVDF**

✔ **Versatile Sterilization Compatibility:**

- **Gamma Sterilization (6 Mrads)**
- **ETO Sterilization** for medical-grade cleanliness

✔ **Customizable Designs for Your Unique Needs:**

- **Barbed connectors:** Available for **3/16" ID tubing and 5/16" ID tubing**
- Optional **EPDM sealing material** with qualifying volumes
- **Expanded connection options:** Male & Female **Luer** fittings and **Bond-in connections** tailored to volume requirements

Engineered for **precision, purity, and flexibility**, the **PSSV Series** is the trusted solution for demanding medical and fluid-handling applications.

- *Open pressure is approximately .20 PSI*
- *Flow is 56.29 l/h*
- *Crack Pressure is .001 PSI*

View our Flyer Here

SKU	Description	Diaphragm
PSSV-3B-PP	3/16 inch by 3/16 inch Polypropylene Barbed Self-Sealing Check Valve	Silicone EPDM
PSSV-3B-PC	3/16 inch by 3/16 inch Polycarbonate Barbed Self-Sealing Check Valve	Silicone EPDM
PSSV-5B-PP	5/16 inch by 5/16 inch Polypropylene Barbed Self-Sealing Check Valve	Silicone EPDM
PSSV-5B-PC	5/16 inch by 5/16 inch Polycarbonate Barbed Self-Sealing Check Valve	Silicone EPDM

SKU	Description	Diaphragm
PSSV-5B3B-PP	5/16 inch by 3/16 inch Polypropylene Barbed Self-Sealing Check Valve	Silicone EPDM
PSSV-5B3B-PC	5/16 inch by 3/16 inch Polycarbonate Barbed Self-Sealing Check Valve	Silicone EPDM



MPV-L SERIES | MEDICAL GRADE LUER CHECK VALVES

Engineered for **critical medical and laboratory applications**, our **MPV Luer Series Medical Grade Plastic Check Valves** are **manufactured, assembled, and rigorously tested at 15 PSI in a certified Class 7 Cleanroom environment**, ensuring unmatched contamination control and reliability.

Ultra-Pure, High-Performance Materials Crafted from premium **Polypropylene, Polycarbonate, Radiation-Stable Polycarbonate, and Kynar® 720**, our check valves deliver **exceptional chemical resistance and durability** for demanding medical, pharmaceutical, and laboratory environments.

Precision-Designed for Sterile Applications Pre-packaged and produced under strict cleanroom conditions, these valves provide **consistent performance where purity matters most**.

4 Main Connector Options:

- Male Inlet Luer with Rotating Collar to Female Luer
- Male Inlet Rotating Collar to Male Rotating Collar
- Female Inlet Luer Lock to Female Luer Lock
- Female Inlet Luer Lock to Male Slip

Barb to ***
Diaphragm Options: Silicone
Flow Direction: Inlet to Outlet

****Custom Options: These Luers can be manufactured to fit with any of our Barb Connectors on the opposing end.*
Barb Size options: 1/8 inch, 3/16 inch, 1/4 inch, 5/16 inch, 3/8 inch

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SKU	Luers	Body Material	Diaphragm
MPV-FLL-BODY-DIAPHRAGM	IN: Female Luer OUT: Female Luer	Polycarbonate Polypropylene Kynar®	Silicone USP Class VI
MPV-MLLR-BODY-DIAPHRAGM	IN: Male Luer OUT: Male Luer w/Rotating Collar	Polycarbonate Polypropylene Kynar®	Silicone USP Class VI

SKU	Luers	Body Material	Diaphragm
MPV-FLL-MLLR-BODY-DIAPHRAGM	IN: Female Luer OUT: Male Luer w/ Rotating Collar	Polycarbonate Polypropylene Kynar®	Silicone USP Class VI
MPV-MLLR-FLL-BODY-DIAPHRAGM	IN: Male Luer Out: Female Luer	Polycarbonate Polypropylene Kynar®	Silicone USP Class VI

Cleanroom Class 8 Production & Manufacturing Available

BHUC SERIES



BHUC is a 1/2 Barbed bulkhead with an 11/16-24 Thread for the panel mount. 18 MM hole for the mounting through hole. Molded in several materials: Acetal, PVDF, and Polypropylene. Rated at 50 PSI. This bulkhead comes with a nickel-plated nut or with an Acetal nut.

SKU	Description	Materials
BHUC-8B	1/2 inch Barb Bulkhead	Nylon Acetal Polypropylene Kynar®

91557 SERIES



This versatile pickup tube features a **1/4-inch compression fitting** to a **1/8-inch barb** and comes equipped with a **strainer** for optimal filtration. Designed for use in **fluidic transfers**, this tube is suitable for both **laboratory and medical applications**. Available in sizes up to **13 inches long**, with **shorter options**, it can be made with or without a cap, ensuring compatibility with various systems.



CE-14PG-2B SERIES

Designed for secure and leak-resistant connections, this **1/4-inch compression elbow** seamlessly transitions to a **1/8-inch barb**, ensuring reliable fluid transfer in critical applications. The **threaded design** enhances stability, making it an ideal choice for laboratory, medical, and industrial systems requiring precise and durable fittings.



GEN1-MLL

Engineered for precision and flexibility, the Gen1-MLL series delivers a streamlined male luer lock fitting designed to simplify your setup and save time. Each unit features a secure barbed end for reliable tubing connections and is available in a range of sizes and materials to suit your exact application.

Whether you're working in a medical, laboratory, or industrial environment, this standalone male luer offers exceptional compatibility and performance. Standard luer lock geometry ensures seamless integration into existing systems and equipment, while its leak-resistant design supports flexible or semi-rigid tubing—even in low-pressure systems.

For applications requiring a female counterpart, ***Gen1-FLL*** fittings are available separately and can be paired as needed to complete your connection.

- Precision male luer lock fitting
- Multiple sizes & materials available
- Ideal for fluid transfer, sampling, and low-pressure systems

SKU	Description	Material Options
Gen1-1B-MLL	1/16 Barbed Male Luer Lock	Acetal Kynar ® Nylon Polycarbonate Polypropylene

SKU	Description	Material Options
Gen1-2B-MLL	1/8 Barbed Male Luer Lock	Acetal Kynar ® Nylon Polycarbonate Polypropylene
Gen1-3B-MLL	3/16 Barbed Male Luer Lock	Acetal Kynar ® Nylon Polycarbonate Polypropylene

GEN1-FLL



Built for precision and versatility, the Gen1-FLL series is a dedicated female luer lock fitting that simplifies fluid connection workflows. Each fitting includes a secure barbed end for reliable tubing engagement and comes in a wide selection of sizes and materials to meet the demands of your specific application.

Perfect for medical, lab, and industrial settings, the Gen1-FLL ensures tight, leak-resistant seals—even in low-pressure systems—and maintains full compatibility with standard male luer components. Its universal luer lock geometry integrates effortlessly into existing setups and equipment.

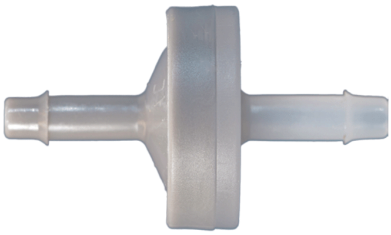
Need a male counterpart? ***Gen1-MLL*** fittings are sold separately and can be paired as needed for complete system connectivity.

- Standalone female luer lock fitting
- Available in multiple sizes & materials
- Optimized for fluid transfer, sampling & low-pressure systems

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SKU	Description	Material Options
Gen1-1B-FLL	1/16 Barbed Female Luer Lock	Acetal Kynar ® Nylon Polycarbonate Polypropylene
Gen1-2B-FLL	1/8 Barbed Female Luer Lock	Acetal Kynar ® Nylon Polycarbonate Polypropylene

SKU	Description	Material Options
Gen1-3B-FLL	3/16 Barbed Female Luer Lock	Acetal Kynar ® Nylon Polycarbonate Polypropylene



MPV 2B SERIES

Engineered for reliability and performance, the MPV-2B Series delivers consistent flow control in a compact 1/8” barbed design. Each valve is precision-built and undergoes **100% leak-decay testing** in our controlled production environment to ensure dependable sealing and long-term durability.

Customizable Body Materials: Choose the ideal resin for your application requirements:

- **Kynar® (PVDF)**
- **Nylon** *(glass-filled grade available)*
- **Acetal Celcon® M90**
- **Polycarbonate**
- **Polypropylene**

Diaphragm Options Optimize chemical compatibility, flexibility, and performance with a wide range of diaphragm materials:

- **EPDM**
- **Viton®**
- **Fluorosilicone**
- **Kalrez®**
- **Silicone USP Class VI**
- **FDA-grade Viton®**

Tailored Engineering

For specialized applications, we offer **custom molding** and fully customizable resin/diaphragm combinations. Our engineering team partners with you to develop precision-matched solutions that meet unique performance, regulatory, or environmental requirements.

Built for Critical Environments

Designed for purity, performance, and configurability, the MPV-2B Series provides exceptional quality and reliability for demanding applications across medical, laboratory, industrial, and high-purity systems.

PDF Drawing

Note: Drawings may vary depending on the body material and diaphragm. This drawing is for reference only.

Flow and Crack Pressure Chart- Standard Flow

Need more information or looking to tailor one of our valves for a specific application? Complete the form below and our team will promptly connect with you to discuss your requirements and ensure you get the right solution.

Contact Form

MPV 3B SERIES



Engineered for dependable performance, the MPV-3B Series provides reliable flow control in a compact **3/16” barbed** configuration. Each valve is precision-manufactured and undergoes **100% leak-decay testing** in our controlled production environment to ensure consistent sealing and long-term durability.

Customizable Body Materials

Select the ideal resin to meet your application’s performance and compatibility needs:

- **Kynar® (PVDF)**
- **Nylon** *(glass-filled grade available)*
- **Acetal Celcon® M90**
- **Polycarbonate**
- **Polypropylene**

Diaphragm Options

Optimize chemical resistance, flexibility, and functional performance with a wide range of diaphragm materials:

- **EPDM**
- **Viton®**
- **Fluorosilicone**
- **Kalrez®**
- **Silicone USP Class VI**
- **FDA-grade Viton®**

Tailored Engineering

For unique or demanding applications, we offer **custom molding** and fully configurable resin/diaphragm combinations. Our engineering team collaborates with you to develop precision-matched solutions that meet specific performance, regulatory, or environmental requirements.

Built for Critical Environments

Designed for purity, performance, and customization, the MPV-3B Series delivers exceptional quality and reliability for medical, laboratory,

industrial, and high-purity systems.

PDF Drawing

Note: Drawings may vary depending on the body material and diaphragm. This drawing is for reference only.

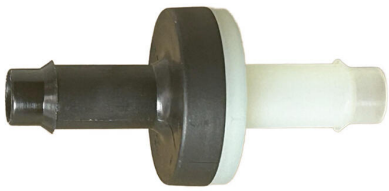
Flow and Crack Pressure Chart - Standard Flow

Need more information or looking to tailor one of our valves for a specific application?

Complete the form below and our team will promptly connect with you to discuss your requirements and ensure you get the right solution.

Contact Form

MPV 4B SERIES



Built for dependable performance, the MPV-4B Series provides reliable flow control in a robust 1/4” barbed configuration. Each valve is precision-engineered and undergoes 100% leak-decay testing in our controlled production environment to ensure consistent sealing, durability, and long-term reliability.

Customizable Body Materials: Select the ideal resin to meet your application’s performance, chemical compatibility, and environmental requirements:

- **Kynar® (PVDF)**
- **Nylon *(glass-filled grade available)***
- **Acetal Celcon® M90**
- **Polycarbonate**
- **Polypropylene**

Diaphragm Options Optimize flexibility, chemical resistance, and functional performance with a wide range of diaphragm materials:

- **EPDM**
- **Viton®**
- **Fluorosilicone**
- **Kalrez®**
- **Silicone USP Class VI**
- **FDA-grade Viton®**

Tailored Engineering

For specialized or demanding applications, we offer custom molding and fully configurable resin/diaphragm combinations. Our engineering team collaborates with you to develop precision-matched solutions that meet

unique performance, regulatory, or environmental requirements.

Built for Critical Environments

Designed for purity, performance, and customization, the **MPV-4B Series** delivers exceptional quality and reliability for medical, laboratory, industrial, and high-purity fluid systems.

PDF Drawing

Note: Drawings may vary depending on the body material and diaphragm. This drawing is for reference only.

Flow and Crack Pressure Chart - Standard Flow

Need more information or looking to tailor one of our valves for a specific application?

Complete the form below and our team will promptly connect with you to discuss your requirements and ensure you get the right solution.

Contact Form

MPV 4BH SERIES



The MPV-4BH Series is engineered for applications requiring enhanced flow capacity without compromising sealing integrity. Featuring a 1/4” barbed connection and a **high-flow internal design**, this valve delivers superior throughput while maintaining reliable flow control. Every unit undergoes 100% leaked-decay testing in our controlled production environment to ensure consistent performance and long-term durability.

Customizable Body Materials: choose from a wide range of engineering-grade resins to meet your system’s chemical, mechanical, and environmental requirements:

- **Kynar® (PVDF)**
- **Nylon *(glass-filled grade available)***
- **Acetal Celcon® M90**
- **Polycarbonate**
- **Polypropylene**

Diaphragm Options: Select the diaphragm material that best aligns with your application’s chemical compatibility and performance needs:

- **EPDM**
- **Viton®**
- **Fluorosilicone**
- **Kalrez®**

- **Silicone USP Class VI**
- **FDA-grade Viton**

Tailored Engineering

For specialized flow, compatibility, or regulatory requirements, we offer custom molding and fully configurable resin/diaphragm combinations. Our engineering team partners with you to develop precision-matched solutions optimized for your unique application.

Built for Demanding, High-Flow Environments

Designed for purity, performance, and elevated flow capacity, the MPV-4BH Series delivers exceptional reliability for medical devices, laboratory systems, industrial equipment, and high-purity fluid handling applications.

PDF Drawing

Note: Drawings may vary depending on the body material and diaphragm. This drawing is for reference only.

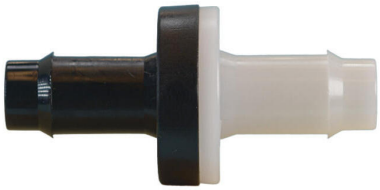
Flow and Crack Pressure Chart - High Flow

Need more information or looking to tailor one of our valves for a specific application?

Complete the form below and our team will promptly connect with you to discuss your requirements and ensure you get the right solution.

Contact Form

MPV 5B SERIES



The MPV-5B Series is designed for systems that demand **greater flow capacity** and consistent one-directional control. With its **5/16” barbed** connection and optimized high-flow internal geometry, this valve supports increased throughput while maintaining dependable sealing performance. Every unit is subjected to **100% leak-decay testing** within our controlled production environment to ensure reliability from the first cycle to the last.

Versatile Body Material Options: Choose from a range of durable, engineering-grade resins to match your chemical and mechanical requirements:

- **Kynar® (PVDF)**
- **Nylon** *(glass-filled grade available)*
- **Acetal Celcon® M90**
- **Polycarbonate**

- **Polypropylene**

Diaphragm Material Selections Dial in the ideal balance of compatibility, flexibility, and performance with multiple diaphragm choices:

- **EPDM**
- **Viton®**
- **Fluorosilicone**
- **Kalrez®**
- **Silicone USP Class VI**
- **FDA-grade Viton®**

Engineered for Customization

For applications with unique flow, compatibility, or regulatory needs, we offer **custom molding** and fully configurable resin/diaphragm combinations. Our engineering team works closely with you to create solutions tailored to your system's exact requirements.

Optimized for High-Demand Applications

With its high-flow design, robust construction, and purity-focused materials, the MPV-5B Series is an excellent choice for medical devices, laboratory equipment, industrial systems, and high-purity fluid handling environments.

PDF Drawing

Note: Drawings may vary depending on the body material and diaphragm. This drawing is for reference only.

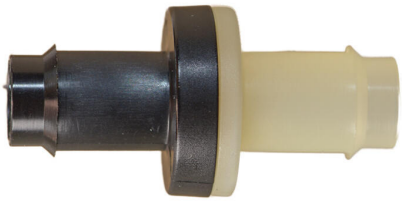
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MPV 6B SERIES



The MPV-6B Series is built for systems that require **maximum flow capacity** paired with dependable one-directional control. Featuring a **3/8” barbed** connection and a high-flow internal architecture, this valve supports significantly increased throughput while maintaining tight, reliable sealing. Each unit is subjected to **100% leak-decay testing** in our controlled production environment to ensure long-term performance and consistency.

Durable Body Material Options: choose from a range of high-performance resins engineered for chemical resistance, mechanical strength, and environmental durability:

- **Kynar® (PVDF)**
- **Nylon** *(glass-filled grade available)*
- **Acetal Celcon® M90**
- **Polycarbonate**
- **Polypropylene**

Diaphragm Material Options Select the diaphragm material that best aligns with your application’s compatibility and performance needs:

- **EPDM**
- **Viton®**
- **Fluorosilicone**
- **Kalrez®**
- **Silicone USP Class VI**
- **FDA-grade Viton®**

Engineered for Customization

For applications with unique flow, compatibility, or regulatory requirements, we offer **custom molding** and fully configurable resin/diaphragm combinations. Our engineering team works closely with you to develop solutions tailored to your system’s exact specifications.

Optimized for High-Demand, High-Flow Applications

With its enlarged barb size, high-flow design, and purity-focused construction, the MPV-6B Series is ideal for medical devices, laboratory systems, industrial equipment, and high-purity fluid handling environments where elevated flow rates are essential.

PDF Drawing

Note: Drawings may vary depending on the body material and diaphragm. This drawing is for reference only.

Flow and Crack Pressure Chart- High Flow

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