



DIAPHRAGM CHECK VALVES

DIAPHRAGM CHECK VALVES

Check Valves: Diaphragm Check Valves
Pneuline 100% Leak Tests all MPV Series Check Valves in-house.



MPV-L SERIES | MEDICAL GRADE LUER CHECK VALVES

Our MPV Luer Series Medical Grade Plastic Check Valves are manufactured, assembled, produced, 15 psi tested, and pre-packaged in a Class 7 Cleanroom environment

Check valves Made of Polypropylene, Polycarbonate, Radiation-Stable Polycarbonate, and Kynar 720®.

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

SKU	Description
MPV-FLL-PC-S	IN: Female Luer OUT: Female Luer
MLLR-PC-S	IN: Male Luer OUT: Male Luer w/Rotating Collar
FLL-MLLR-PC-S	IN: Female Luer OUT: Male Luer w/ Rotating Collar
MLLR-FLL-PC-S	IN: Male Luer Out: Female Luer



MPV SERIES | FOOD & BEVERAGE GRADE CHECK VALVES

Plastic check valves molded at our facility are made from NSF 51/62 Approved materials, used for food and beverage applications. Our valves do not have grease or oil, like other diaphragm valves on the market. Ideal for contact with Food, Beverage, Water and Laboratory applications. Housings are molded from materials include POM -Celcon, M90® and PVDF, Arkema-Kynar 720®. The diaphragm options are EPDM, Santoprene™, or FDA Viton® disks. Sizes we offer include 1/8, 3/16, 1/4, 5/16, and 3/8 barbed valves.

[Download The Flyer](#)

	Flow (l/h)	Crack Pressure
MPV-2B-AC-FDAViton	1/8 Barbed Acetal with FDA Viton .020	

		Flow (l/h)	Crack Pressure
MPV-2B-AC-S	1/8 Barbed Acetal with Santoprene		
MPV-2B-AC-E	1/8 Barbed Acetal with EPDM	50.79	.007
MPV-3B-AC-FDA Viton	3/16 Barbed Acetal with FDA Viton .020		
MPV-3B-AC-S	3/16 Barbed Acetal with Santoprene		
MPV-3B-AC-E	3/16 Barbed Acetal with EPDM	50.79	.007
MPV-4BH-AC-FDA Viton	1/4 Barbed, Acetal, High Flow with FDA Viton .030		
MPV-4BH-AC-S	1/4 Barbed Acetal,High Flow with Santoprene		
MPV-4BH-AC-E	1/4 Barbed Acetal,High Flow with EPDM	26.28	.001
MPV-5B-AC-FDA Viton	5/16 Barbed, Acetal, High Flow with FDA Viton .030		
MPV-5B-AC-S	5/16 Barbed, Acetal, High Flow with Santoprene .030		
MPV-5B-AC-E	5/16 Barbed, Acetal, High Flow with EPDM .030	26.28	.001
MBV-6B-AC-FDA Viton	3/8 Barbed, Acetal, High Flow with FDA Viton .030		
MBV-6B-AC-S	3/8 Barbed, Acetal, High Flow with Santoprene .030		
MBV-6B-AC-E	3/8 Barbed, Acetal, High Flow with EPDM .030	26.28	.001

MPV SERIES | AUTOMOTIVE GRADE CHECK VALVES



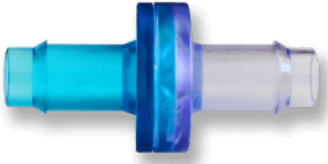
Pneuline Supply manufactures Plastic Check Valves that are ideal for Automotive applications. Inlets are made of either Natural Nylon or Glass-Filled Natural Nylon. Outlets are made of either Black Nylon or Glass-Filled Black Nylon. The Barbed connectors are available in 1/8 inch, 3/16 inch, and 1/4 inch Standard Flow or 1/4 inch, 5/16 inch, and 3/8 inch High Flow. Diaphragms are made of either Fluorosilicone or EPDM. Customer-specific unique laser part marking is available for identifiers such as Part number sequencing, Lot number, or Company name.

Diaphragm Check Valves



SKU	Description	Flow l/h	Crack Pressure
MPV-2B-NE	1/8 Barb Nylon / EPDM Check Valve	50.79	.007
MPV-2B-NF	1/8 Barb Nylon / Fluorosilicone Check Valve	62.79	.007
MPV-3B-NE	3/16 Barb Nylon / EPDM Check Valve	50.79	.007
MPV-3B-NF	3/16 Barb Nylon / Fluorosilicone Check Valve	62.79	.007
MPV-3B-PE	3/16 Barb Polypropylene / EPDM Check Valve	50.79	.007
MPV-4B-HKE	1/4 Barb Hi-Flow PVDF / EPDM Check Valve	26.28	.001
MPV-4B-NE	1/4 Barb Hi-Flow Nylon / EPDM Check Valve	50.79	.007
MPV-4B-NF	1/4 Barb Nylon / Fluorosilicone Check Valve	62.79	.007
MPV-5B-NE	5/16 Barb Hi-Flow Nylon / EPDM Check Valve	26.28	.001
MPV-5B-NF	5/16 Barb H-Flow Nylon / Fluorosilicone Check Valve	20.57	.001
MPV-5B-R530-E	5/16 Barb High-Flow Glass-Filled Nylon / EPDM Check Valve	26.28	.001
MPV-6B-NE	3/8 Barb High-Flow Nylon / EPDM Check Valve	26.28	.001
MPV-6B-NF	3/8 Barb Hi-Flow Nylon / Fluorosilicone Check Valve	20.57	.001
MPV-6B-R530-E	3/8 Barb High-Flow Glass-Filled Nylon / EPDM Check Valve	26.28	.001

MPV SERIES | MEDICAL GRADE CHECK VALVES



MPV Series Medical Grade Check Valves are manufactured and tested in a Class 7 Cleanroom environment making them ideal for medical applications. All cleanroom check valves are tested in our cleanroom environments at 15 PSI. Resin options include Nylon, Polypropylene, Polycarbonate, Radiation-stable Polycarbonate, and Kynar® 720. Other custom resins are available at the customer's request. Sizes Available: 3/16 inch, 5/16 inch, and 3/8 inch high flow. Diaphragms are made of Silicone USP Class VI or FDA Viton®. Our custom molding options allow for customer specific needs or requirements which include resin options as well as diaphragm options.

[Download the MPV Series Flyer](#)

SKU	Description
MPV-2B-NS	1/8 Barb Nylon / FDA Silicone Check Valve
MPV-2B-PCS	1/8 Barb Polycarbonate / Natural FDA Silicone Check Valve
MPV-3B-PCS	3/16 Barb Polycarbonate / Silicone .020 VI Check Valve
MPV-4B-KS	1/4 Barb Standard PVDF/ Silicone Check Valve
MPV-6B-KS	3/8 Barb PVDF / USP Class VI Silicone Check Valve
MPV-6B-PCRS	3/8 Barb Polycarbonate / Silicone USP class VI Check Valve

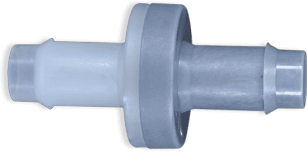
CIS SERIES



This is a non-barbed Check Valve with a white tubing port inlet and clear tubing port outlet. The body is made of Acrylic with a blue Silicone diaphragm. This check valve is pressure-rated at 45 psi. The port sizes are both .130" and will accommodate 1/16" ID soft Silicone tubing as well as other tubing of 1/8" and 3/32" ID. It is manufactured in an ISO Class 8 Cleanroom and is Gamma, E-beam, and EtO sterilizable. This valve is made of Class VI approved materials, it is ultrasonically welded and is 100% inline tested for backflow and weld leaks.

SKU	Description
CIS-6383	Check Valve .130 port Acrylic/Silicone .29CP

MPV SERIES | INDUSTRIAL GRADE CHECK VALVES



MPV Plastic Diaphragm Check Valves are Manufactured by Pneuline Supply. One way valves are used for Ozone, pools, spas, printing, ink jet applications. Wound therapy, air mattresses.

printing and ink jet applications. Vacuum applications.

Our valves are offered in 5 different housing materials and 6 different standard barb configurations.

- **Kynar® 720 PVDF, Acetal, Nylon, Glass-filled Nylon, Polypropylene.**
- **Barbed connectors are available in 1/8 inch, 3/16 inch, and 1/4 inch standard flow or 1/4 inch, 5/16 inch, and 3/8 inch high flow.**
- **Diaphragm selections are Fluorosilicone, EPDM, Viton®, or Kalrez® FFKM**

SKU	Description	Flow (l/h)	Crack Pressure
MPV-2B-KK	1/8 Barb PVDF / Kalrez® Check Valve	43.17	.011
MPV-2B-KV	1/8 Barb PVDF / FKM Check Valve	68.09	.006
MPV-2B-NF	1/8 Barb Nylon / Fluorosilicone Check Valve	62.79	.007
MPV-2B-NV	1/8 Barb Nylon / FKM Check Valve	68.09	.006
MPV-3B-AF	3/16 Barb Acetal / Fluorosilicone Check Valve	62.79	.007
MPV-3B-KV	3/16 Barb PVDF / FKM Check Valve	68.09	.006
MPV-3B-NF	3/16 Barb Nylon / Fluorosilicone Check Valve	62.79	.007
MPV-3B-NV	3/16 Barb Nylon / FKM Check Valve	68.09	.006
MPV-3B-PF	3/16 Barb Polypropylene / Fluorosilicone Check Valve	62.79	.007
MPV-3B-PV	3/16 Barb Polypropylene / FKM Check Valve	68.09	.006
MPV-4B-HKK	1/4 Barb Hi-Flow PVDF / Kalrez Check Valve	10.82	.001
MPV-4B-HKV	1/4 Barb Hi-Flow PVDF / FKM Check Valve	35.75	.001
MPV-4B-HNF	1/4 Barb Hi-Flow Nylon / Fluorosilicone Check Valve	20.57	.001
MPV-4B-HNV	1/4 Barb Hi-Flow PVDF / FKM Check Valve	35.75	.001
MPV-4B-KV	1/4 Barb Standard Flow PVDF / FKM Check Valve	68.09	.006
MPV-4B-NF	1/4 Barb Nylon / Fluorosilicone	62.79	.007
MPV-4B-NV	1/4 Barb Nylon / FKM Check Valve	68.09	.006

SKU	Description	Flow (l/h)	Crack Pressure
MPV-4B-PF	1/4 Barb Polypropylene / Fluorosilicone Check Valve	62.79	.007
MPV-4B-PV	1/4 Barb Polypropylene / FKM Check Valve	68.09	.006
MPV-5B-AF	5/16 Barb Acetal / Fluorosilicone Check Valve	20.57	.001
MPV-5B-KK	5/16 Barb PVDF / Kalrez® Check Valve	10.82	.001
MPV-5B-KV	5/16 Barb PVDF / FKM Check Valve	35.73	.001
MPV-5B-NF	5/16 Barb Nylon / Fluorosilicone Check Valve	20.57	.001
MPV-5B-NV	5/16 Barb Nylon / FKM Check Valve	35.75	.001
MPV-6B-KV	3/8 Barb PVDF /FKM Check Valve	35.75	.001
MPV-6B-NF	3/8 Barb Nylon / Fluorosilicone Check Valve	20.57	.001
MPV-6B-NV	3/8 Barb Nylon / FKM Check Valve	35.75	.001

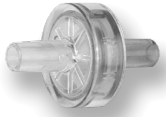
CSP SERIES - POLYETHYLENE CHECK VALVES



The CSP Series Check Valves have a Polyethylene housing with a Neoprene disc for the 1/4-inch size and a Polyethylene disc for the 3/8-inch size. The maximum pressure for these check valves is 20 psi.

SKU	Description
CSP-38	3/8 inch to 9/16 inch ID Polypropylene Check Valve

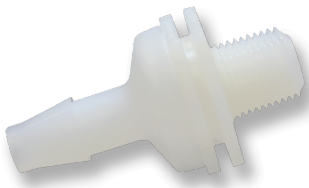
BBCV SERIES



The BBCV Series Check Valve has a Male Slip Luer with 30 psi back pressure and 1/4 psi inlet cracking pressure. This series comes in ABS or Polycarbonate housing, both with Silicone Discs.

SKU	Description
BBCV-MLFL-ABS	Male Luer by Female Luer ABS Check Valve .25 psi Crack
BBCV-MLFL-01-ABS	Male Luer by Female Luer ABS Check Valve .01 psi Crack
BBCV-MLML-ABS	Male Luer by Male Luer ABS Check Valve .25 psi Crack

CMKV SERIES



The CMKV Series Plastic Check Valves are 1/8 inch Male NPT by Barb sizes of 1/8 inch, 3/16 inch, 1/4 inch, and 3/8 inch. The flow is from thread to barb. Material / Disc combinations are available in PVDF with FKM, Polypropylene with FKM, Polycarbonate with Neoprene, Polycarbonate with Silicone, Nylon with Silicone, and Nylon with Neoprene.

SKU	Description
CMKV-18B	1/8 MNPT by 1/8 Barb PVDF/FKM Check Valve
CMKV-14B-NS	1/8 MNPT by 1/4 Barb Nylon/Silicone Check Valve
CMKV-316B	1/8 MNPT by 3/16 Barb PVDF/FKM Check Valve



VC-IG SERIES

The VC-IG Series Plastic Check Valves have housing molded of Polysulfone or Polypropylene with either a POM or Silicone disc. The cracking pressure for these units is .8 H²O or .028 psi. The 10-32 inch units have a cracking pressure of 10 H²O or .36 psi. These check valves were made to be used in low-pressure applications. Reverse flow at 1 psi is available as follows: Polypropylene with Silicone: .20 SCIM, Polysulfone with POM 2.98 SCIM, Polysulfone with POM 1.00 SCIM R2, Polysulfone with Silicone .20 SCIM, and Polysulfone with Silicone .06 SCIM 10-32 inch Female ports only. Maximum pressure is 10 psi excluding the 10-32 inch port which is rated for 75 psi.

SKU	Description
VC-IG-1032F-PSS	1032 Female PS Silicon Check Valve
VC-IG-1B-PPS	1/16 Barb PP Silicone Check Valve
VC-IG-1B-PSC R2	1/16 Barb PS Celcon® Check Valve
VC-IG-1B-PSS	1/16 Barb PS Silicone Check Valve
VC-IG-1S-PPS	1/16 Shaft PP Silicone Check Valve
VC-IG-1S-PSC	1/16 Shaft PS Celcon® Check Valve
VC-IG-1S-PSC R2	1/16 Shaft PS Celcon® Check Valve
VC-IG-1S-PSS	1/16 Shaft PS Silicone Check Valve
VC-IG-2B-PPS	1/8 Barb PP Silicone Check Valve
VC-IG-2B-PSC R2	1/8 Barb PS Celcon® Check Valve
VC-IG-2B-PSS	1/8 Barb PS Silicone Check Valve