



BioPure fluid path components, connect with confidence





About BioPure

BioPure has pioneered the design, development and delivery of innovative bioprocessing fluid path components since 1998.

Our strong market focus, aligned with a global presence, ensures BioPure will continue to be the market leader in single-use technology for many years.

As part of the Watson-Marlow Fluid Technology Solutions (WMFTS), we have combined market expertise in all aspects of fluid transfer; from pumps and tubing, to valves, reinforced hoses and final fill finish. Always on the leading edge of meeting regulatory expectations, we are confident that no other company can handle high purity biopharmaceutical fluid application better than WMFTS.

Product validation and traceability

BioPure aims to simplify your production operations, lower cGMP manufacturing costs and reduce process validation.

- » LOT traceability on every component
- » ISO 14644-1 Class 7 cleanroom manufacturing and packing
- » Materials are animal derived component free

Biopharmaceutical applications are amongst the most critical in the world. You need a partner who you can trust, who understands the process and is able to help achieve compliance and repeatability throughout.

BioPure fluid path components allow you to connect with confidence

- » **Q-Clamp**
Single-handed and tool free sanitary Tri-Clamp
- » **BioPure gaskets**
Unparalleled sealing performances
- » **High pressure hose**
Platinum-cured silicone braided hose
- » **Silicone transfer tubing**
- » **BioClamp**
Plastic Tri-Clamp
- » **BioBarb**
Hose barb to Tri-Clamp adaptors
- » **BioValve**
Variable flow control valve
- » **BioEndCap**
End caps with pull tab for connectors
- » **FlatBioEndCap**
End caps for connectors





Process security; Quick and qualified

Q-Clamp is an innovative sanitary clamp, designed to create integral connections throughout your fluid path and reduce potential leaks. Supporting rapid changeover and the validation of connections throughout your bioprocess, Q-Clamp's unique closure ratchet system is designed to work with sanitary ferrules aligned to ISO, ASME BPE standards.

- » Unique design for correct flange and gasket alignment
- » Removes potential for gasket over-compression
- » Patented single-handed tool-free clamping
- » Ergonomic design to reduce the risk of repetitive strain injury



Q-Clamp is supported by an industry-leading validation package for non-wetted components. Meets USP <88> Class VI Biological Reactivity, USP <87> In-Vitro Cytotoxicity, and biological evaluations per ISO 10993-5, 6, 10 and 11 industry compliance.

Q-Clamp introduces the first true tamper evident security solution for Tri-Clamp® connections. The additional component can also be used for identification through colour, allowing procedures to specify relevant areas of the process:

- » Can be applied pre or post clamp assembly
- » Tool free application and removal
- » Available in eight colours; blue, grey, orange, purple, green, red, yellow and transparent

BioPure high purity gaskets



Our sanitary gaskets support leak resistant connectivity within pharmaceutical and biotechnology production processes, reducing validation risks in contamination-free applications.

Each of our high-purity gaskets have been engineered to deliver unparalleled sealing performances under clamping compression. Each product has been manufactured from carefully considered materials to provide durable and robust sealing between mating surfaces, without compromising the integrity of your fluid path.

- » Our sanitary gaskets are all compliant with FDA regulations CFR 21 177.2600
- » Dedicated validation and qualification data to help you achieve GMP requirements
- » USP Class VI compliant and animal derived component free (ADCF)
- » Reduced validation risks for contamination free applications
- » Designed to achieve a smooth bore

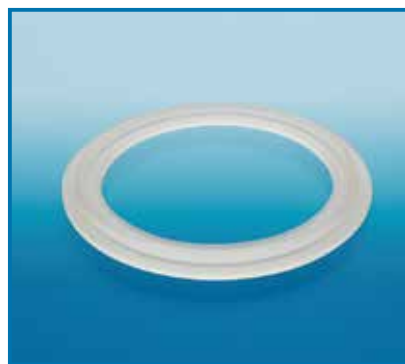
High purity platinum-cured silicone gaskets

5000 series

Manufactured and packed within an ISO 14644-1 Class 7 cleanroom, these high purity silicone gaskets are ideally suited for bioprocessing fluid paths. Demonstrating comprehensive knowledge of the materials involved in packaging components, the 5000 series gaskets have a low extractable profile. They are also gamma stable for irradiation up to 50kGY, and autoclavable.

Product validation performed on post gamma-irradiated gaskets.

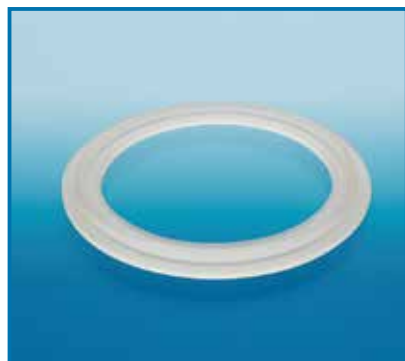
Extractable studies have been performed using a multi-solvent approach to BPOG guidelines.



- » Laser etched lot numbering for full material traceability (non-laser etched version also available)
- » Designed in accordance with ASME-BPE standards
- » USP Class VI compliant and Animal Derived Component Free (ADCF)
- » Compliant with FDA regulations CFR 21 177.2600
- » Gamma stable and autoclavable
- » Low extractable profile
- » Double-bagged and heat-sealed

RXPX series

The RXPX series sanitary silicone gaskets are platinum-cured and suitable for biomanufacturing processes. They are designed to achieve a smooth bore, contamination free fluid path under clamping compression.



- » Designed in accordance with ASME-BPE standards
- » USP Class VI compliant and Animal Derived Component Free (ADCF)
- » Compliant with FDA regulations CFR 21 177 2600
- » Lot traceability
- » ISO 14644-1 Class 7 clean room produced and packed
- » Single polyethylene (PE) bag

EPDM gaskets (ethylene propylene diene monomer)

EPDM gaskets offer quality performances in sanitary applications with repetitive steam-in-place (SIP) cycles. These sanitary gaskets have been designed to achieve a smooth bore, contamination free fluid path under clamping compression, retaining their geometric stability after repeat SIP cycles. This ensures that your SIP validation is not compromised.

Additionally, EPDM gaskets do not deform to trap bacteria, or stick, causing the gasket to adhere to ferrule face. The EPDM material maintains the important conditions of clean, intact removal with no trace of elastomer material finding its way into the fluid process.



- » Designed in accordance with ASME-BPE standards
- » USP Class VI compliant and Animal Derived Component Free (ADCF)
- » Compliant with FDA regulations CFR 21 177.2600
- » Lot traceability
- » Superior steam-in-place (SIP) stability with consequent clean ferrule and gasket separation

PTFE gaskets (polytetrafluoroethylene)

PTFE gaskets offer the ultimate chemical resistance and purity. PTFE is almost totally chemically inert, and offers versatility in application due to being highly flexible, strong, and able perform in extreme temperature conditions.

These high performance sanitary gaskets have been designed to achieve a smooth bore, contamination free fluid path under clamping compression.



- » Designed in accordance with ASME-BPE standards
- » USP Class VI compliant and Animal Derived Component Free (ADCF)
- » Compliant with FDA regulations CFR 21 177.2600
- » Lot traceability
- » Performs in extreme temperature conditions. Ranging from -350F to 450F (-212C to 232C)

PolySteel gaskets (polytetrafluoroethylene / stainless steel)

These high purity gaskets offer a quality performance in applications that require continuous steam resistance. A 50/50 PTFE/stainless steel composite, designed to dramatically reduce cold flow and creep, Polysteel gaskets maintain their integrity under repeated SIP cycles. They have been constructed for maximum sealability, providing leak proof performance, offering less downtime in plants.

Polysteel gaskets perform in extreme temperature conditions, ranging from -350F to 620F (-212C to 327C) and come in a range of sizes from ¼ inch to 6 inch.



- » Designed in accordance with ASME-BPE standards
- » USP Class VI compliant and Animal Derived Component Free (ADCF)
- » Compliant with FDA regulations CFR 21 177.2600
- » Lot traceability
- » PTFE/stainless steel composite for best in class continuous steam resistance
- » Performs in extreme temperature conditions. Ranging from -350F to 620F (from -212C to 327C)

Gasket materials selection chart

	Purity	SIP	Continuous steam	Chemical resistance	Sealability	Max continuous temp	Key
EPDM	Fair	Typically used	Not Recommended	Fair	Typically used	310F (154C)	Typically used
Silicone	Typically used	Not Recommended	Not Recommended	Fair	Typically used	490F (254C)	Often used
Viton	Fair	Fair	Not Recommended	Good	Typically used	400F (204C)	Excellent
PTFE	Typically used	Excellent	Fair	Typically used	Fair	450F (232C)	Excellent
Polysteel	Typically used	Excellent	Typically used	Typically used	Fair	620F (327C)	Excellent

Viton® gaskets (synthetic rubber and fluoropolymer elastomer)

Viton® gaskets deliver an enhanced performance in applications that require heat, acid and chemical resistance. Viton® has a high rubber density, which helps to maintain geometric stability after repeated SIP cycles.

These sanitary gaskets can be exposed to temperature extremes, ranging from -10F to 400F (-23C to 204C) and are available both flanged and unflanged in a range of sizes from ½ inch to 6 inches (unflanged) and 1 inch to 6 inches (flanged).



- » Designed in accordance with ASME-BPE standards
- » USP Class VI compliant and Animal Derived Component Free (ADCF)
- » Compliant with FDA regulations CFR 21 177.2600
- » Lot traceability
- » Improved heat, acid and chemical resistance
- » Available in flanged and unflanged options in a range of sizes

High pressure hose

Platinum-cured silicone braided hose

High pressure flexible braided hose with continuously extruded Platinum-cured silicone core ensures product integrity while delivering increased pressure capability.

Manufactured and packed in an ISO 14644-1 Class 7 cleanroom. Product validation studies were performed on the post gamma irradiated product.



- » Extractables using a multi-solvent approach to BPOG guidelines
- » USP Class VI compliant and Animal Derived Component Free (ACDF)
- » Suitable for sterilization by autoclave and gamma irradiation up to 50kGY
- » Lot traceability
- » Available in either 7.6m (25ft) and 15.2m (50ft) coils

Platinum-cured silicone transfer tubing

BioPure silicone transfer tubing provides a value-based solution in critical bioprocess fluid transfer applications. Complete with a robust validation pack, including extractable profiles and USP <85> Bacterial Endotoxin testing, BioPure silicone transfer tubing is simple to integrate throughout your bioprocess. The tubing is offered with laser etched lot numbering for full traceability.



Meeting the needs of a broad range of critical fluid transfer applications both upstream and downstream, this flexible and reliable silicone tubing is manufactured and packed in an ISO 14644-1 Class 7 cleanroom.

- » USP Class VI compliant and Animal Derived Component Free (ADCF)
- » Tested in accordance with EP 3.1.9
- » Lot traceability
- » Autoclavable and gamma stable up to 50kGY

BioPure fluid path components



BioBarb, BioEndCap and FlatBioEndCap single-use fluid path components meet the high purity demands of the biotechnology and pharmaceutical industry.

These components are manufactured and packed in an ISO 14644-1 Class 7 cleanroom from a DMF listed polypropylene compliant FDA and USP VI. Product validation studies were performed on the post gamma irradiated BioPure components.

- » Extractables using a multi-solvent approach to BPOG guidelines
- » USP Class VI compliant and Animal Derived Component Free (ACDF)
- » Raw material assigned FDA drug master number: DMF 9040 and fulfils requirements of European pharmacopoeia, 5th edition (2004) and supplement 5.8 (07/2007), monograph 3.2.2.
- » Suitable for sterilization by autoclave and gamma irradiation
- » Lot traceability
- » Precision compression between tube and fittings eliminates flow by-pass and media entrapment

BioBarb

Hose barb to Tri-Clamp adaptors

BioBarb™ incorporates an oversized barb design which facilitates an extremely strong adhesion to the tubing.



- » The full through bore diameter ensures smooth transition from tube to adaptor, reducing turbulence
- » The identical ID of barb and tubing allows complete drainage along an unimpeded flow path
- » Enhanced Tri-Clamp design reduces the risk of a seal failure

BioEndCap

End caps with pull-tab for connectors

BioEndCap™ is designed to terminate a disposable manifold until a new connection is to be made.



- » Uniquely constructed pull-tab ensures easy removal of the cap
- » Pull tab designed for strength but sufficient pliability to avoid damage to any contact materials
- » Provides a reliable, repeatable seal when used in combination with a gasket and clamp

FlatBioEndCap

End caps for connectors

FlatBioEndCap™ is designed to terminate a disposable manifold until a new connection is to be made.



- » Provides a reliable, repeatable seal when used in combination with a gasket and clamp
- » Traditional flat end cap design to directly replace stainless steel equivalent
- » Size identification moulded into every component for ease of use

BioClamp

Plastic Tri-Clamp

BioClamp is specifically designed to meet the needs of busy pharmaceutical and bioprocessing laboratories.



- » Preferred over stainless steel clamps to reduce the distortion on polymeric fittings when subjected to heat
- » Tamper evident feature available on the 1/2" to 4"
- » Manufactured from borosilicate reinforced nylon, the BioClamp is lightweight and easy to manipulate

BioValve

Variable flow control valve

BioValve™ is a precision restriction flow controller and shut off valve that has been tested with clear and braid reinforced silicone tubing.



- » Profiled to minimize flow path turbulence
- » Thread pitch is calibrated to 2mm per turn, permitting controlled flow restriction
- » Can be applied to tubing already in situ

Product part numbers

Q-Clamp and tamper evident cover

Part number	Pack size	Size	Max. operating pressure
1032-0075-0010	10 PCS	1/2" – 3/4" TC	7bar
1032-0075-0100	100 PCS	1/2" – 3/4" TC	7bar
1032-0150-0010	10 PCS	1" – 1 1/2" TC	7bar
1032-0150-0050	50 PCS	1" – 1 1/2" TC	7bar

Part number	Pack size	Size	Colour
1033-0001-0100	100 PCS	1/2" – 3/4" and 1" – 1 1/2" Q-Clamp	Natural
1033-0002-0100	100 PCS	1/2" – 3/4" and 1" – 1 1/2" Q-Clamp	Blue
1033-0003-0100	100 PCS	1/2" – 3/4" and 1" – 1 1/2" Q-Clamp	Grey
1033-0004-0100	100 PCS	1/2" – 3/4" and 1" – 1 1/2" Q-Clamp	Orange
1033-0005-0100	100 PCS	1/2" – 3/4" and 1" – 1 1/2" Q-Clamp	Yellow
1033-0006-0100	100 PCS	1/2" – 3/4" and 1" – 1 1/2" Q-Clamp	Red
1033-0007-0100	100 PCS	1/2" – 3/4" and 1" – 1 1/2" Q-Clamp	Green
1033-0008-0100	100 PCS	1/2" – 3/4" and 1" – 1 1/2" Q-Clamp	Purple

High purity platinum-cured silicon gaskets

5000 series unflanged gaskets – laser etched

Part number	Size inch	O.D inch (øA)	I.D inch (øB)	Quantity
5001.0050.025	1/2	0.85 (21.6)	0.43 (10.9)	25
5001.0075.025	3/4	0.85 (21.6)	0.63 (16.0)	25
5001.0100.025	1	1.98 (50.3)	0.90 (22.9)	25
5001.0150.025	1 1/2	1.98 (50.3)	1.40 (35.6)	25
5001.0200.025	2	2.52 (64.0)	1.90 (48.3)	25
5001.0250.025	2 1/2	3.05 (77.5)	2.40 (61.0)	25
5001.0300.025	3	3.58 (90.9)	2.90 (73.7)	25
5001.0400.025	4	4.68 (118.9)	3.87 (98.3)	25
5001.0600.025	6	6.51 (165.4)	5.82 (147.8)	25

5000 series flanged gaskets – laser etched

Part number	Size inch	O.D inch (øA)	I.D inch (øB)	Quantity
5101.0100.025	1	1.98 (50.3)	0.91 (23.1)	25
5101.0150.025	1 1/2	1.98 (50.3)	1.41 (35.8)	25
5101.0200.025	2	2.52 (64.0)	1.91 (48.5)	25
5101.0300.025	3	3.58 (90.9)	2.91 (73.9)	25
5101.0400.025	4	4.68 (118.9)	3.88 (98.6)	25

5000 series unflanged gaskets

Part number	Size inch	O.D inch (øA)	I.D inch (øB)	Quantity
5201.0050.025	1/2	0.85 (21.6)	0.43 (10.9)	25
5201.0075.025	3/4	0.85 (21.6)	0.63 (16.0)	25
5201.0100.025	1	1.98 (50.3)	0.90 (22.9)	25
5201.0150.025	1 1/2	1.98 (50.3)	1.40 (35.6)	25

5000 series unflanged gaskets continued on page 16

5000 series unflanged gaskets—Continued

Part number	Size inch	O.D inch (ØA)	I.D inch (ØB)	Quantity
5201.0200.025	2	2.52 (64.0)	1.90 (48.3)	25
5201.0250.025	2 1/2	3.05 (77.5)	2.40 (61.0)	25
5201.0300.025	3	3.58 (90.9)	2.90 (73.7)	25
5201.0400.025	4	4.68 (118.9)	3.87 (98.3)	25
5201.0600.025	6	6.51 (165.4)	5.82 (147.8)	25

5000 series flanged gaskets

Part number	Size inch	O.D inch (ØA)	I.D inch (ØB)	Quantity
5301.0100.025	1	1.98 (50.3)	0.91 (23.1)	25
5301.0150.025	1 1/2	1.98 (50.3)	1.41 (35.8)	25
5301.0200.025	2	2.52 (64.0)	1.91 (48.5)	25
5301.0300.025	3	3.58 (90.9)	2.91 (73.9)	25
5301.0400.025	4	4.68 (118.9)	3.88 (98.6)	25

RXPX series unflanged gaskets

Part number	Size inch	O.D inch (ØA)	I.D inch (ØB)	Quantity
42RXPX-050-25	1/2	0.85 (21.6)	0.43 (10.9)	25
42RXPX-075-25	3/4	0.85 (21.6)	0.63 (16.0)	25
40RXPX-100-25	1	1.98 (50.3)	0.90 (22.9)	25
40RXPX-150-25	1 1/2	1.98 (50.3)	1.40 (35.6)	25
40RXPX-200-25	2	2.52 (64.0)	1.90 (48.3)	25
40RXPX-250-25	2 1/2	3.05 (77.5)	2.40 (61.0)	25
40RXPX-300-25	3	3.58 (90.9)	2.90 (73.7)	25
40RXPX-400-25	4	4.68 (118.9)	3.87 (98.3)	25
40RXPX-600-25	6	6.51 (165.4)	5.82 (147.8)	25

RXPX series flanged gaskets

Part number	Size inch	O.D inch (ØA)	I.D inch (ØB)	Quantity
40RXPX-F-100-25	1	1.98 (50.3)	0.91 (23.1)	25
40RXPX-F-150-25	1 1/2	1.98 (50.3)	1.41 (35.8)	25
40RXPX-F-200-25	2	2.52 (64.0)	1.91 (48.5)	25
40RXPX-F-300-25	3	3.58 (90.9)	2.91 (73.9)	25
40RXPX-F-400-25	4	4.68 (118.9)	3.88 (98.6)	25

EPDM gaskets

Unflanged gaskets

Part number	Size inch	O.D (ØA) inch (mm)	I.D (ØB) inch (mm)	Quantity
42MPE-050-25	1/2	0.85 (21.6)	0.43 (10.9)	25
42MPE-075-25	3/4	0.85 (21.6)	0.63 (16.0)	25
40MPE-100-25	1	1.98 (50.3)	0.90 (22.9)	25
40MPE-150-25	1 1/2	1.98 (50.3)	1.40 (35.6)	25
40MPE-200-25	2	2.52 (64.0)	1.90 (48.3)	25
40MPE-250-25	2 1/2	3.05 (77.5)	2.40 (61.0)	25
40MPE-300-25	3	3.58 (90.9)	2.90 (73.7)	25
40MPE-400-25	4	4.68 (118.9)	3.87 (98.3)	25
40MOE-600-25	6	6.51 (165.4)	5.82 (147.8)	25

Flanged gaskets

Part number	Size inch	O.D (ØA) inch (mm)	I.D (ØB) inch (mm)	Quantity
40MPFE-100-25	1	1.98 (50.3)	0.91 (23.1)	25
40MPFE-150-25	1 1/2	1.98 (50.3)	1.41 (35.8)	25
40MPFE-200-25	2	2.52 (64.0)	1.91 (48.5)	25
40MPFE-250-25	2 1/2	3.05 (77.5)	2.41 (61.2)	25
40MPFE-300-25	3	3.58 (90.9)	2.91 (73.9)	25
40MPFE-400-25	4	4.68 (118.9)	3.88 (98.5)	25
40MOFE-600-25	6	6.51 (165.4)	5.83 (148.0)	25

PTFE unflanged gaskets

Part number	Size inch	O.D (ØA) inch(mm)	I.D (ØB) inch(mm)	Quantity
42MPG-050-25	1/2	0.85 (21.6)	0.38 (9.7)	25
42MPG-075-25	3/4	0.85 (21.6)	0.62 (15.7)	25
40MPG-100-25	1	1.98 (50.3)	0.88 (22.4)	25
40MPG-150-25	1 1/2	1.98 (50.3)	1.38 (35.1)	25
40MPG-200-25	2	2.52 (64.0)	1.88 (47.8)	25
40MPG-250-25	2 1/2	3.05 (77.5)	2.38 (60.5)	25
40MPG-300-25	3	3.58 (90.9)	2.88 (73.2)	25
40MPG-400-25	4	4.68 (118.9)	3.84 (97.5)	25
40MOG-600-25	6	6.57 (166.9)	5.84 (148.3)	25

PolySteel unflanged gaskets

Part number	Size inch	O.D (ØA) inch (mm)	I.D (ØB) inch (mm)	Quantity
42MPG-PS-050-25	1/2	0.85 (21.6)	0.38 (9.7)	25
42MPG-PS-075-25	3/4	0.85 (21.6)	0.62 (15.7)	25
40MPG-PS-100-25	1	1.98 (50.3)	0.88 (22.4)	25
40MPG-PS-150-25	1 1/2	1.98 (50.3)	1.38 (35.1)	25
40MPG-PS-200-25	2	2.52 (64.0)	1.88 (47.8)	25
40MPG-PS-250-25	2 1/2	3.05 (77.5)	2.38 (60.5)	25
40MPG-PS-300-25	3	3.58 (90.9)	2.88 (73.2)	25
40MPG-PS-400-25	4	4.68 (118.9)	3.84 (97.5)	25
40MOG-PS-600-25	6	6.57 (166.9)	5.84 (148.3)	25

Viton® gaskets

Unflanged gaskets

Part number	Size inch	I.D (ØA)	O.D (ØB)	Quantity
42MPSFY-050-25	1/2	0.43 (10.9)	0.85 (21.6)	25
42MPSFY-075-25	3/4	0.63 (16.0)	0.85 (21.6)	25
40MPSFY-100-25	1	0.90 (22.9)	1.98 (50.3)	25
40MPSFY-150-25	1 1/2	1.40 (35.6)	1.98 (50.3)	25
40MPSFY-200-25	2	1.90 (48.3)	2.52 (64.0)	25
40MPSFY-250-25	2 1/2	2.40 (61.0)	3.05 (77.5)	25
40MPSFY-300-25	3	2.90 (73.7)	3.58 (90.9)	25
40MPSFY-400-25	4	3.87 (98.3)	4.68 (118.9)	25
40MOSFY-600-25	6	5.82 (147.8)	6.51 (165.4)	25

Flanged gaskets

Part number	Size inch	I.D (ØA)	O.D (ØB)	Quantity
40MPFSFY-100-25	1	0.91 (23.1)	1.98 (50.3)	25
40MPFSFY-150-25	1 1/2	1.41 (35.8)	1.98 (50.3)	25
40MPFSFY-200-25	2	1.91 (48.5)	2.52 (64.0)	25
40MPFSFY-250-25	2 1/2	2.41 (61.2)	3.05 (77.5)	25
40MPFSFY-300-25	3	2.91 (73.9)	3.58 (90.9)	25
40MPFSFY-400-25	4	3.88 (98.5)	4.68 (118.9)	25
40MOSFY-600-25	6	5.83 (148.1)	6.51 (165.4)	25

Platinum-cured silicone braided hose

Part number	Length m (ft)	I.D x O.D mm (inch)	Min. burst pressure* bar (psi)
BPSHP0125-C	7.6 (25)	3.2 (0.125) x 8.8 (0.345)	48.3 (700)
BPSHP0188-C	7.6 (25)	4.8 (0.187) x 10.3 (0.407)	44.3 (650)
BPSHP0250-C	7.6 (25)	6.4 (0.250) x 12.4 (0.490)	43.1 (625)
BPSHP0375-C	7.6 (25)	9.6 (0.375) x 16.7 (0.658)	37.9 (550)
BPSHP0500-C	7.6 (25)	12.7 (0.500) x 20.3 (0.800)	34.5 (500)
BPSHP0625-C	7.6 (25)	15.9 (0.625) x 24.5 (0.965)	28.9 (420)
BPSHP0750-C	7.6 (25)	19.0 (0.750) x 27.9 (1.100)	24.1 (350)
BPSHP0875-C	7.6 (25)	22.2 (0.875) x 32.0 (1.260)	20.7 (300)
BPSHP1000-C	7.6 (25)	25.4 (1.00) x 34.5 (1.360)	15.1 (220)
BPSHP0125-D	15.2 (50)	3.2 (0.125) x 8.8 (0.345)	48.3 (700)
BPSHP0188-D	15.2 (50)	4.8 (0.187) x 10.3 (0.407)	44.3 (650)
BPSHP0250-D	15.2 (50)	6.4 (0.250) x 12.4 (0.490)	43.1 (625)
BPSHP0375-D	15.2 (50)	9.6 (0.375) x 16.7 (0.658)	37.9 (550)
BPSHP0500-D	15.2 (50)	12.7 (0.500) x 20.3 (0.800)	34.5 (500)
BPSHP0625-D	15.2 (50)	15.9 (0.625) x 24.5 (0.965)	28.9 (420)
BPSHP0750-D	15.2 (50)	19.0 (0.750) x 27.9 (1.100)	24.1 (350)
BPSHP0875-D	15.2 (50)	22.2 (0.875) x 32.0 (1.260)	20.7 (300)
BPSHP1000-D	15.2 (50)	25.4 (1.00) x 34.5 (1.360)	15.1 (220)

*at 20C/68F

BioBarb

Part number	Pack size	Size	Max. operating pressure
PPMTC0125BB	10 PCS	1/2" – 3/4" TC To 1/8" HB	4bar
PPMTC0250BB	10 PCS	1/2" – 3/4" TC To 1/4" HB	4bar
PPMTC0375BB	10 PCS	1/2" – 3/4" TC To 3/8" HB	4bar
PPMTC0500BB	10 PCS	1/2" – 3/4" TC To 1/2" HB	4bar
PPMTC0625BB	10 PCS	1/2" – 3/4" TC To 5/8" HB	4bar
PPSTC0125BB	10 PCS	1" – 1 1/2" TC To 1/8" HB	4bar

BioBarb continued on page 19

BioBarb—continued

Part number	Pack size	Size	Max. operating pressure
PPSTC0250BB	10 PCS	1" – 1 1/2" TC To 1/4" HB	4bar
PPSTC0375BB	10 PCS	1" – 1 1/2" TC To 3/8" HB	4bar
PPSTC0500BB	10 PCS	1" – 1 1/2" TC To 1/2" HB	4bar
PPSTC0625BB	10 PCS	1" – 1 1/2" TC To 5/8" HB	4bar
PPSTC0750BB	10 PCS	1" – 1 1/2" TC To 3/4" HB	4bar
PPSTC0875BB	10 PCS	1" – 1 1/2" TC To 7/8" HB	4bar
PPSTC1000BB	10 PCS	1" – 1 1/2" TC To 1" HB	4bar

BioEndCap

Part number	Pack size	Size	Max. operating pressure
PEC-500-750	10 PCS	1/2" – 3/4" TC	4bar
PEC-100-150	10 PCS	1" – 1 1/2" TC	4bar

FlatBioEndCap

Part number	Pack size	Size	Max. operating pressure
PEC-050-075-FC	10 PCS	1/2" – 3/4" TC	4bar
PEC-100-150-FC	10 PCS	1" – 1 1/2" TC	4bar
PEC-200-FC	10 PCS	2" TC	4bar
PEC-250-FC	10 PCS	2 1/2" TC	4bar

BioValve

Part number	Pack size	Size	Max. operating pressure
BV0500NW	5 PCS	1/8" – 3/4" OD Tube	10bar
BV1000NW	5 PCS	1/2" – 1 1/4" OD Tube	10bar

BioClamp

Part number	Pack size	Size	Max. operating pressure
NG075WHT	10 PCS	1/2" – 3/4" TC	10bar
NG075WHT-100	100 PCS	1/2" – 3/4" TC	10bar
NG150WHT	10 PCS	1" – 1 1/2" TC	10bar
NG150WHT-50	50 PCS	1" – 1 1/2" TC	10bar
NG200WHT	10 PCS	2" TC	10bar
NG200WHT-50	50 PCS	2" TC	10bar
NG250WHT	10 PCS	2 1/2" TC	10bar
NG250WHT-40	40 PCS	2 1/2" TC	10bar
NG300WHT	10 PCS	3" TC	10bar
NG300WHT-20	20 PCS	3" TC	10bar
NG400WHT	5 PCS	4" TC	10bar
NG400WHT-20	20 PCS	4" TC	10bar
NG600WHT	5 PCS	6" TC	6bar
NG800WHT	5 PCS	8" TC	6bar

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