2-07M BRASS & 07M 304SS SERIES CONSTANT PRESSURE MANIFOLDS

Boshart's constant pressure manifolds provide faster installation of constant pressure pump water systems. Constant pressure manifolds are compact, multi-port fittings which impart a clean looking installation, reducing the number of potential leak points. The multi-port fitting is designed to connect an in-line, pre-charged pressure tank to the water system. The dual MPT x FPT line connections on both ends allows for more installation options. The tank and pressure transducer ports are interchangeable to allow for left or right transducer installation options. The transducer is simply bushed down to the applicable transducer connection size. A 1/4" FPT pressure gauge port faces forward for the installation of a 1/4" MPT CBM (Center Back Mount) pressure gauge.

FEATURES:
- Designed to accept Flexcon Flow-Thru tanks
- Heavy duty castings available in NL Brass and 304SS
- Easily mounted to the wall using 07M-125 (1-1/4") or 07M-200-MB (2") mounting brackets

SPECIFICATIONS:
- Maximum operating temperature: 100 °F (37.7 °C)
- Maximum pressure rating: 200 PSI

CERTIFICATION:
- NSF/ANSI Standard 372 Certified

NO LEAD <0.25% Pb by weighted avg. | THIRD PARTY CERTIFIED TO NSF / ANSI 372

304 Stainless Steel						
Part No.	**Tank & Transducer Port Connections**	**Inlet & Outlet Connections**	**Drain Port & Relief Valve Connections**	**Unit Weight**	**Carton**	**Master**
07M-125SS	(2) 1" FPT	Dual 1-1/4" MPT or 1"FPT	(2) 3/4" FPT	2.32 lbs	6	24
07M-200SS	(2) 1" FPT	Dual 2" MPT or 1-1/2" FPT	(2) 3/4" FPT	4.52 lbs	3	12

C46400 NL Brass						
Part No.	**Tank & Transducer Port Connections**	**Inlet & Outlet Connections**	**Drain Port & Relief Valve Connections**	**Unit Weight**	**Carton**	**Master**
2-07M-125NL	(2) 3/4" FPT	Dual 1-1/4" MPT or 1" FPT	(2) 3/4" FPT	2.92 lbs	16	-
2-07M-125-10NL	(2) 1" FPT	Dual 1-1/4" MPT or 1" FPT	(2) 3/4" FPT	2.89 lbs	16	-

BOSHART INDUSTRIES
25 Whaley Avenue, PO Box 310, Milverton, ON CANADA N0K 1M0
Tel: 800-561-3164
VISIT US ONLINE AT BOSHART.COM

For more information on installation, adjustment, repair & operation, visit Boshart Knowledge Base at SUPPORT.BOSHART.COM

BII-2-07M-0326(1311)V3
BII-07M-0326(1717) V3

Material Selection

For more information on constant pressure manifolds and pressure tanks, please visit our Knowledgebase and search "Manifolds" to find more articles on selection, installation and more.

304 Stainless Steel

304 Stainless Steel manifolds provide excellent corrosion resistance; the stainless material provides the highest strength and resistance to stress cracking at the female accessory ports. Stainless manifolds should be selected for installations where the water quality is unknown, or known to be aggressive. Stainless does not contain any zinc, therefore dezincification corrosion is a non-issue, whereas brass alloys having more than 15% zinc content are susceptible to accelerated dezincification corrosion when the water quality is questionable. Although stainless manifolds are more expensive than brass, they do not contain zinc, alleviating problems with dezincification.

NOTE: Stainless steel is a harder material. Special anti-seize/anti-galling thread sealants are recommended to consistently obtain a seal at the joints. Following best practices for making stainless steel connections will reduce the chance of galling or a leaky connection. Boshart suggests the use of both P.T.F.E. (Polytetrafluoroethylene) Thread Seal Tape and Gray Magic Thread Sealing Compound (or any thread sealant that is specially formulated for stainless connections to reduce the chance of galling). See Knowledgebase article titled Making a Leak Proof Stainless Steel Threaded Connection at Support.Boshart.com.

Brass Alloy Manifolds

Brass manifolds are less expensive due to the higher zinc content, and suitable for installation in many areas where the water quality is known to be very good and non – aggressive. However, the zinc content makes brass susceptible to accelerated dezincification corrosion. It is easier to make a watertight seal using P.T.F.E. tape with brass manifolds than with stainless steel which requires the use of both P.T.F.E. tape and a high-quality thread sealing compound. There is no issue with galling which can be an issue with stainless joints if proper sealants are not used.

In Conclusion

Stainless Steel Manifolds are a great choice for areas where water quality causes corrosion on brass components or where it is unknown if dezincification of brass is a concern. For a slight premium in cost to the overall water system, you can have peace of mind with a S.S. manifold and accessories which is highly corrosion resistant and is guaranteed to be free from dezincification concerns associated with brass.

Tank Tee Selection Guide Chart

Material	Corrosion Resistance	Strength	Cost	Value	Product Line	Ease of Installation / Joint Sealing	Application Info.	Overall Rating out of 10
304 SS	Excellent	Very High	▲▼ High / Low	Excellent	Good product offering. Union and Non-Union types	Medium ◆Typically trouble free when the Sealing SS Guide is followed.	Suitable for all installations. A great choice when water quality is unknown. Or known to be aggressive to brass alloys.	9.4
Brass	■ Medium	■ Medium	Medium	Good		Easy ◘ Avoid Overtightening of FPT connections.	Use where water quality is known to be excellent and non-corrosive to brass.	6.5
PVC	Excellent	Low	Low	High	Limited product offering. No Union Tees available	Easy ▼ Avoid Overtightening and use of P.T.F.E. tape on FPT connections.	Suitable for all installations. A great choice when water quality is unknown. Or known to be aggressive to brass alloys.	5.1
Galvanized Malleable Iron	• Low	High	• Medium	High		Medium • Can be cumbersome when used with hydropneumatics tanks.	Use with Galvanized Steel Hydropneumatics tanks.	4.0

▲▼ Stainless Steel tees while having a higher upfront cost, are likely the most cost effective in the long term are likely to be the lower cost option, the robust design, superior corrosion resistance, high strength ensure longevity and are not likely to last a very long time. Worth every extra penny!

◆ See Knowledgebase article titled Making leak free stainless steel NPT Connections at Support.Boshart.com

■ Corrosion resistance and strength of brass will be negatively affected if water quality promotes dezincification corrosion. Dezincification will reduce the longevity of brass tank tees.

◘ It is best practice to use the external threads of the tees line connections to eliminate the risk of stress cracking the tee. See "What is the best practice for installing tank tees" at Support.Boshart.com

▼ See Knowledgebase article titled Making NPT Connections at Support.Boshart.com. It is best practice to use the external threads of the tees line connections to eliminate the risk of stress cracking the tee.

• If Galvanized tank tees are used on hydropneumatics tanks you will need to add a nipple which adds to the cost and difficulty of the installation. This also decreases corrosion resistance with exposed steel in a damp, humid environment.

BOSHART INDUSTRIES
25 Whaley Avenue, PO Box 310, Milverton, ON CANADA N0K 1M0
Tel: 800-561-3164

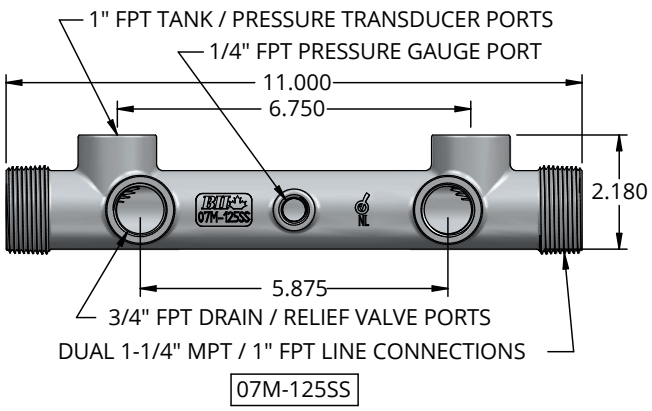
VISIT US ONLINE AT BOSHART.COM

For more information on installation, adjustment, repair & operation, visit Boshart Knowledge Base at SUPPORT.BOSHART.COM

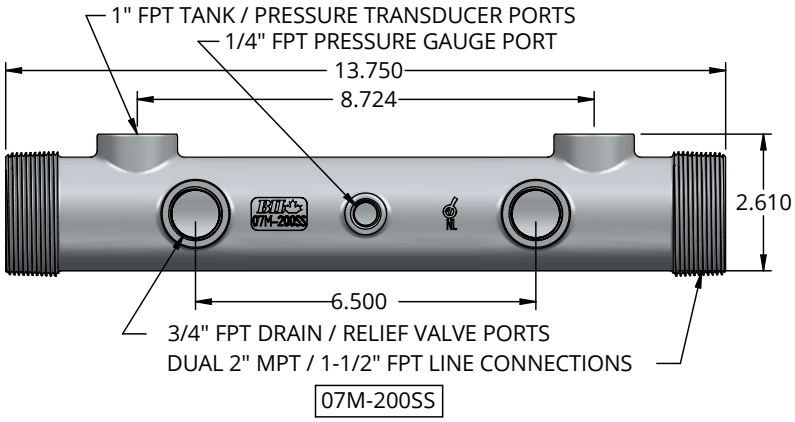
BII-07ST,2-07TK-0226(1717,81,81BF,81P100)V4

MANIFOLD DIMENSIONS:

304 STAINLESS STEEL:

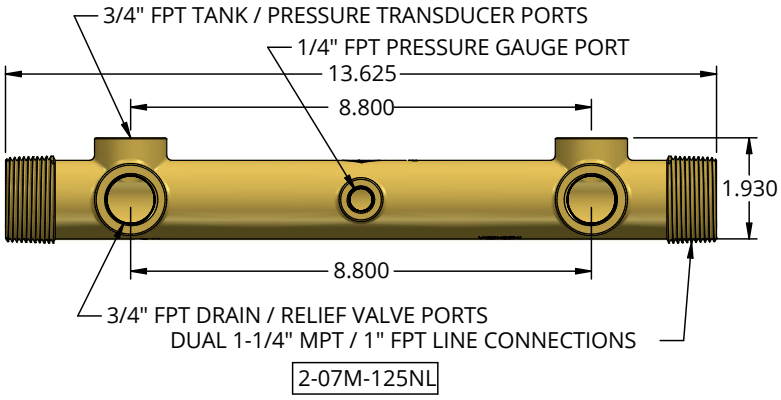


07M-125SS

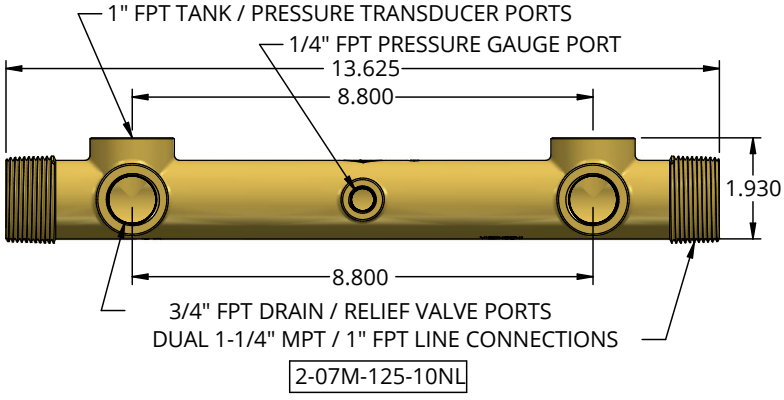


07M-200SS

C46400 NL BRASS:



2-07M-125NL



2-07M-125-10NL

BOSHART INDUSTRIES
25 Whaley Avenue, PO Box 310, Milverton, ON CANADA N0K 1M0
Tel: 800-561-3164

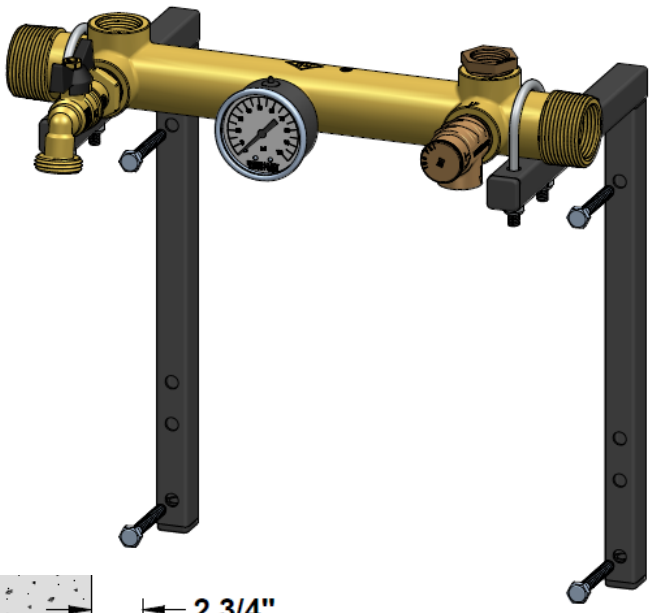
VISIT US ONLINE AT BOSHART.COM

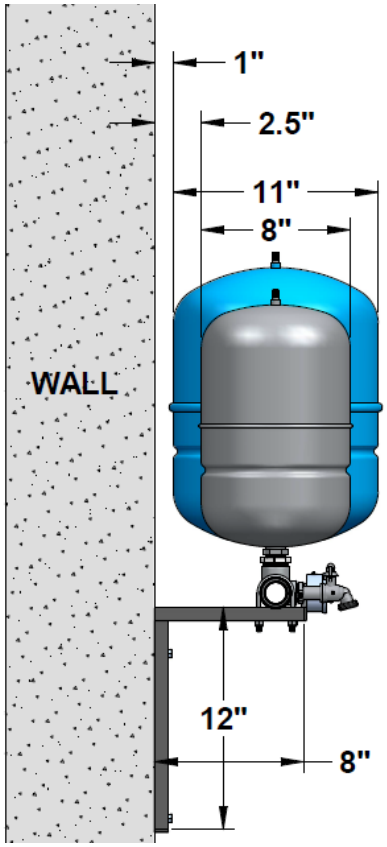
For more information on installation, adjustment, repair & operation, visit Boshart Knowledge Base at SUPPORT.BOSHART.COM

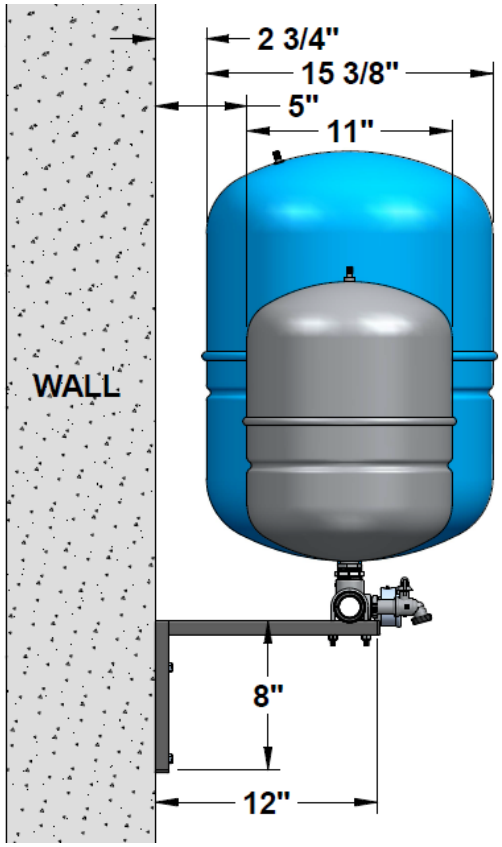
BII-2-07M-0326(1311)V3
BII-07M-0326(1717) V3

MANIFOLD BRACKETS:

Two manifold brackets are available, 07M-125-MB for 1-1/4" manifolds and 07M-200MB for 2" manifolds. Both bracket models can be installed in two orientations depending on the tank diameter. They can be installed with the short or long leg of the bracket protruding out from the wall. This allows for flexibility in the clearance between the tank and the wall. Installing the long leg of the bracket out from the wall allows for tanks with an outside diameter of up to 20.9" on 1-1/4" manifolds and 19.9" for 2"manifolds to be installed.







BOSHART INDUSTRIES

25 Whaley Avenue, PO Box 310, Milverton, ON CANADA N0K 1M0
Tel: 800-561-3164

VISIT US ONLINE AT BOSHART.COM

For more information on installation, adjustment, repair & operation, visit Boshart Knowledge Base at SUPPORT.BOSHART.COM

BII-2-07M-0326(1311)V3
BII-07M-0326(1717) V3

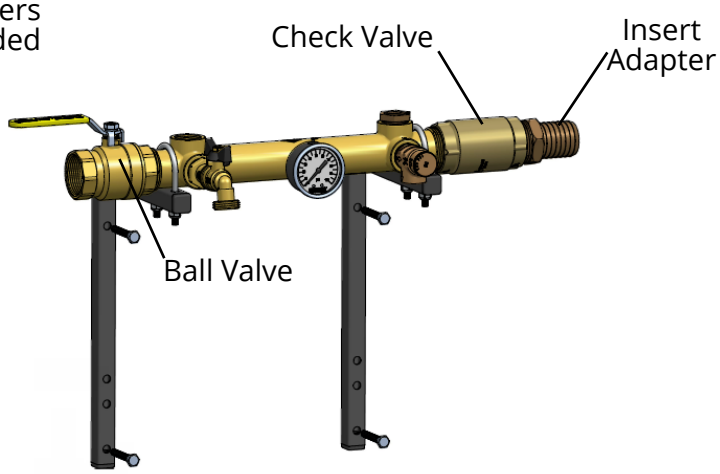
MANIFOLD PACKAGES:

A variety of constant pressure manifold packages are available which come with a wide range of components and sizes to fit any application. Refer to the table below. Manifold packages are NSF/ANSI Standard 372 certified.

NO LEAD <0.25% Pb by weighted avg. | THIRD PARTY CERTIFIED TO NSF / ANSI 372

Part No.	Package Includes	
Brass Manifold Packages		
TFP-2M125MBNL	**Manifold:** 07M-125NL **Manifold Bracket:** 07M-125-MB **Pressure Gauge:** PGCBM-1-100-GNL	**Relief Valve:** RVNB07-100NL **Hose Bibb:** 0852-07NL **Bushing:** NLBRB-0705
TFP-2M125NL	**Manifold:** 07M-125NL **Pressure Gauge:** PGCBM-1-100-GNL **Relief Valve:** RVNB07-100NL	**Hose Bibb:** 0852-07NL **Bushing:** NLBRB-0705
304SS Manifold Packages		
TFP-07M125SS	**Manifold:** 07M-125SS **Pressure Gauge:** PGSCBM-100-G **Relief Valve:** SSRVN07-100	**Hose Bibb:** SSHB52-07 **Bushing:** 439-130, 439-131
TFP-07M125SS-01	**Manifold:** 07M-125SS **Pressure Gauge:** PGSCBM-100-G **Relief Valve:** SSRVN07-100	**Hose Bibb:** SSHB52-07 **Bushing:** SS304B-1005, SS304B-1007 **Tape:** TT260-SS
TFP-07M125SS-MB	**Manifold:** 07M-125SS **Manifold Bracket:** 07M-125-MB **Pressure Gauge:** PGSCBM-100-G	**Relief Valve:** SSRVN07-100 **Hose Bibb:** SSHB52-07 **Bushing:** 439-130, 439-131
TFP-07M125SSMB-01	**Manifold:** 07M-125SS **Manifold Bracket:** 07M-125-MB **Pressure Gauge:** PGSCBM-100-G **Relief Valve:** SSRVN07-100	**Hose Bibb:** SSHB52-07 **Bushing:** SS304B-1005, SS304B-1007 **Tape:** TT260-SS
TFP-07M200SS-MB	**Manifold:** 07M-200SS **Manifold Bracket:** 07M-200-MB **Pressure Gauge:** PGSCBM-100-G	**Relief Valve:** SSRVN07-100 **Hose Bibb:** SSHB52-07 **Bushing:** 439-130, 439-131

*All components contained in the various manifold fitting packages can be purchased separately, including the mounting brackets.



*Additional packages which are not shown may be available. They may include additional components such as ball & check valves, or insert adapters. Custom packages can be made subject to MOQ requirements. Call your customer service representative for more information.

BOSHART INDUSTRIES
25 Whaley Avenue, PO Box 310, Milverton, ON CANADA N0K 1M0
Tel: 800-561-3164
VISIT US ONLINE AT BOSHART.COM

For more information on installation, adjustment, repair & operation, visit Boshart Knowledge Base at SUPPORT.BOSHART.COM

BII-2-07M-0326(1311)V3
BII-07M-0326(1717) V3