



PHP-10002500 Copper Manifolds User Guide

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PHP

PHP-10002500 Copper Manifolds



Specifications

- **Brand:** Precision Hydronic Products
- **Model:** Various models are available, see part numbers below
- **Material:** Copper
- **Connection Type:** Sweat Branch, PEX Barb, Ball Valve PEX Barb, Compex Ball Valve
- **Loop Options:** 2, 3, 6, 12 loops available
- **Size:** Various sizes available (1 x 1/2, 1 1/4 x 3/4)

PRECISION HYDRONIC PRODUCTS 2022 – LIST PRICE SCHEDULE

1" Copper Manifolds w/Sweat Branch (2 1/2" Oc)

- Part Number Description



- PHP-10002500 2 Loop 1" x 1/2" Plain Drop
- PHP-10003500 3 Loop 1" x 1/2" Plain Drop
- PHP-10006500 6 Loop 1" x 1/2" Plain Drop
- PHP-100012500 12 Loop 1" x 1/2" Plain Drop

1" Copper Manifolds w/PEX Barb (2 1/2" Oc)
Part Number Description

- PHP-10002500 PB 2 Loop 1" x 1/2" PEX Barb



- PHP-10003500 PB 3 Loop 1" x 1/2" PEX Barb
- PHP-10006500 PB 6 Loop 1" x 1/2" PEX Barb
- PHP-100012500 PB 12 Loop 1" x 1/2" PEX Barb

1" Copper Manifolds w/1/2" Ball Valve PEX Barb (2 1/2" Oc)
Part Number Description

- PHP-10002500 PBBV 2 Loop 1" x 1/2" Ball Valve w/PEX Barb
- PHP-10003500 PBBV 3 Loop 1" x 1/2" Ball Valve w/PEX Barb
- PHP-10006500 PBBV 6 Loop 1" x 1/2" Ball Valve w/PEX Barb
- PHP-100012500 PBBV 12 Loop 1" x 1/2" Ball Valve w/PEX Barb

1" Copper Manifolds w/1/2" Compex Ball Valve (2 1/2" Oc)
Part Number Description

- PHP-10002500 CPX3BV 2 Loop 1" x 1/2" Compex Ball Valve
- PHP-10003500 CPX3BV 3 Loop 1" x 1/2" Compex Ball Valve
- PHP-10006500 CPX3BV 6 Loop 1" x 1/2" Compex Ball Valve

- PHP-100012500 CPX3BV 12 Loop 1" x 1/2" Compex Ball Valve

1 1/4" Copper Manifolds w/3/4" Ball Valve PEX Barb (4" Oc)

Part Number Description

- PHP-12502750 PBBV 2 Loop 1 1/4" x 3/4" Ball Valve w/PEX Barb



- PHP-12503750 PBBV 3 Loop 1 1/4" x 3/4" Ball Valve w/PEX Barb
- PHP-12504750 PBBV 4 Loop 1 1/4" x 3/4" Ball Valve w/PEX Barb

1" X 1/2" PEX Barb ftg., A Belled & A Spun Closed End (2" Ctrs)

Part Number Description

- PHP-1003 SBPB 3 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End



- PHP-1004 SBPB 4 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End



- PHP-1005 SBPB 5 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End
- PHP-1006 SBPB 6 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End
- PHP-1007 SBPB 7 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End
- PHP-1008 SBPB 8 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End
- PHP-1009 SBPB 9 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End
- PHP-10010 SBPB 10 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End
- PHP-10012 SBPB 12 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End

1" X 1/2" PEX Barb ftg., Reduced Ends w/3/4" PEX Barb ftg. (2" Ctrs)

Part Number Description

- PHP-1003 N2PB 3 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.



- PHP-1004 N2PB 4 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.



- PHP-1005 N2PB 5 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.
- PHP-1006 N2PB 6 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.



- PHP-1007 N2PB 7 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.
- PHP-1008 N2PB 8 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.
- PHP-1009 N2PB 9 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.
- PHP-10010 N2PB 10 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.
- PHP-10012 N2PB 12 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.

PRECISION HYDRONIC PRODUCTS 2022 – LIST PRICE SCHEDULE

1" X 1/2" PEX Barb ftg., Reduced Ends w/3/4" PEX Barb ftg. (2" Ctrs)

Part Number Description

- PHP-1003 N2PBBV 3 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg
- PHP-1004 N2PBBV 4 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg
- PHP-1005 N2PBBV 5 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg
- PHP-1006 N2PBBV 6 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg
- PHP-1007 N2PBBV 7 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg
- PHP-1008 N2PBBV 8 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg
- PHP-1009 N2PBBV 9 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg
- PHP-10010 N2PBBV 10 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg
- PHP-10012 N2PBBV 12 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg

1" X 1/2" PEX Barb Ball Valve, One Belled & One Spun Closed End (2" Ctrs)

Part Number Description

- PHP-1003 SBPBBV 3 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End
- PHP-1004 SBPBBV 4 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End
- PHP-1005 SBPBBV 5 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End
- PHP-1006 SBPBBV 6 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End

- PHP-1007 SBPBBV 7 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End
- PHP-1008 SBPBBV 8 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End
- PHP-1009 SBPBBV 9 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End
- PHP-10010 SBPBBV 10 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End
- PHP-10012 SBPBBV 12 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End

1" X1/2"PEX Barb ftg.,SpunClosed and ReducedEnd w/3/4" PEX Barb ftg. (2" Ctrs)

Part Number Description

- PHP-1003 SNPB 3 Loop 1" x 1/2 Pex Barb ftg, Spun Clsd & Reduced End w/3/4" PEX Barb ftg.
- PHP-1004 SNPB 4 Loop 1" x 1/2 Pex Barb ftg, Spun Clsd & Reduced End w/3/4" PEX Barb ftg.
- PHP-1005 SNPB 5 Loop 1" x 1/2 Pex Barb ftg, Spun Clsd & Reduced End w/3/4" PEX Barb ftg.
- PHP-1006 SNPB 6 Loop 1" x 1/2 Pex Barb ftg, Spun Clsd & Reduced End w/3/4" PEX Barb ftg.
- PHP-1007 SNPB 7 Loop 1" x 1/2 Pex Barb ftg, Spun Clsd & Reduced End w/3/4" PEX Barb ftg.
- PHP-1008 SNPB 8 Loop 1" x 1/2 Pex Barb ftg, Spun Clsd & Reduced End w/3/4" PEX Barb ftg.
- PHP-1009 SNPB 9 Loop 1" x 1/2 Pex Barb ftg, Spun Clsd & Reduced End w/3/4" PEX Barb ftg.
- PHP-10010 SNPB 10 Loop 1" x 1/2 Pex Barb ftg, Spun Clsd & Reduced End w/3/4" PEX Barb ftg.
- PHP-10012 SNPB 12 Loop 1" x 1/2 Pex Barb ftg, Spun Clsd & Reduced End w/3/4" PEX Barb ftg.

1"X 1/2"PEXBarbBall Valve,SpunClosedandReducedEndw/3/4"PEXBarbftg.(2" Ctrs)

Part Number Description

- PHP-1003 SNPBBV 3 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb ft.
- PHP-1004 SNPBBV 4 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb ft.
- PHP-1005 SNPBBV 5 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb ft.
- PHP-1006 SNPBBV 6 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb ft.
- PHP-1007 SNPBBV 7 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb ft.
- PHP-1008 SNPBBV 8 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb ft.
- PHP-1009 SNPBBV 9 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb ft.
- PHP-10010SNPBBV 10 Loop 1" x 1/2PexBarbBall Valve, Spun Clsd& Reduced End w/3/4" PEX Barb ft.
- PHP-10012SNPBBV 12 Loop 1" x 1/2PexBarbBall Valve, Spun Clsd& Reduced End w/3/4" PEX Barb ft.

72"CopperHeatingManifoldsx24Drop(3"Oc)

Part Number Description

- PHP-100024500 PBBV 24 Loop 1" x 1/2" PEX Barb w/Ball Valve



- PHP-100024500 PB 24 Loop 1" x 1/2" PEX Barb
- PHP-100024500 24 Loop 1" x 1/2" Plain Drop
- PHP-100024750 24 Loop 1" x 3/4" Plain Drop
- PHP-125024500 24 Loop 1 1/4" x 1/2" Plain Drop
- PHP-125024750 24 Loop 1 1/4" x 3/4" Plain Drop
- PHP-150024750 24 Loop 1 1/2" x 3/4" Plain Drop
- PHP-200024750 24 Loop 2" x 3/4" Plain Drop

- PHP-2000241000 24 Loop 2" x 1" Plain Drop

72" Copper Heating Manifolds x 18 Drop (4" Oc)

Part Number Description

- PHP-100018750-4 18 Loop 1" x 3/4" Plain Drop



- PHP-125018750-4 18 Loop 1 1/4" x 3/4" Plain Drop
- PHP-150018750-4 18 Loop 1 1/2" x 3/4" Plain Drop
- PHP-200018750-4 18 Loop 2" x 3/4" Plain Drop

72" Copper Heating Manifolds x 12 Drop (6" Oc)

Part Number Description

- PHP-100012750-6 12 Loop 1" x 3/4" Plain Drop



- PHP-125012750-6 12 Loop 1 1/4" x 3/4" Plain Drop
- PHP-150012750-6 12 Loop 1 1/2" x 3/4" Plain Drop
- PHP-200012750-6 12 Loop 2" x 3/4" Plain Drop
- End Piece and Air Vent Ports 1/8" & 3/8"

Part Number Description

- PHP-1000125 EP 1" x 1/8" End Piece
- PHP-1000375 EP 1" x 3/8" End Piece
- PHP-1250125 EP 1 1/4" x 1/8" End Piece
- PHP-1250375 EP 1 1/4" x 3/8" End Piece
- PHP-1500125 EP 1 1/2" x 1/8" End Piece
- PHP-1500375 EP 1 1/2" x 3/8" End Piece
- PHP-1000125-500 EP 1" x 1/8" FTG x 1/2" FTG End Piece
- PHP-1250125-500 EP 1 1/4" x 1/8" FTG x 1/2" FTG End Piece
- PHP-1500125-500 EP 1 1/2" x 1/8" FTG x 1/2" FTG End Piece
- PHP-2000125-500 EP 2" x 1/8" FTG x 1/2" FTG End Piece

Thermostatic Mixing Valves

Part Number Description

- PHP-TMV500 Sweat 1/2" Thermostatic Mixing Valve
- PHP-TMV750 Sweat 3/4" Thermostatic Mixing Valve
- PHP-TMV1000 Sweat 1" Thermostatic Mixing Valve
- Mini-Sep™ – Includes Air Vent, Fast-Fill Pressure-Reducing Valve

Part Number Description

- PHP-MSEP-1000 1" Mini-Sep™

- PHP-MSEP-1250 1 1/4" Mini-Sep™

Mini-SepPlus™-Includes AirVent, Fast-Fill Pressure-Reducing Valve, Expansion Tank, Mounting Bracket

- Part Number Description
- PHP-MSEPPLUS-1000 1" Mini-Sep Plus™
- PHP-MSEPPLUS-1250 1 1/4" Mini-Sep Plus™



Copper Manifolds w/Sweat Branch (2 1/2 Oc)

These manifolds are designed for use in hydronic heating systems. Follow the steps below for installation:

1. Choose the appropriate loop configuration based on your heating system requirements.



2. Sweat the branches onto the main copper manifold using a suitable soldering technique.
3. Connect the individual loops to the manifold ensuring proper alignment and sealing.
4. Pressure test the system to check for leaks before operating.

Copper Manifolds w/PEX Barb (2 1/2 Oc)

These manifolds offer easy connection with PEX tubing. Here's how to use them:

1. Select the appropriate loop size for your heating system.
2. Attach the PEX Barb fittings to the manifold using crimping tools.
3. Insert the PEX tubing into the fittings securely.
4. Check for any leaks by pressurizing the system before use.



Frequently Asked Questions

Q: Are these copper manifolds suitable for radiant floor heating systems?

A: Yes, these manifolds are commonly used in radiant floor heating applications due to their durability and efficient heat distribution.

Q: Can I use these manifolds for potable water systems?

A: It is recommended to consult with a professional plumber or contractor to determine if these manifolds are suitable for potable water applications.

FOR INFORMATION OR A QUOTE, CALL [503-256-4010](tel:503-256-4010)

www.pppinc.net/price-list.html

802 SE 199th Ave., Portland, Oregon 97233

FAX: [503-253-8165](tel:503-253-8165)

Documents / Resources



[PHP PHP-10002500 Copper Manifolds](#) [pdf] User Guide

PHP-10002500, PHP-10003500, PHP-10006500, PHP-100012500, PHP-12502750, PHP-12503750, PHP-12504750, PHP-1003 SBPB, PHP-1004 SBPB, PHP-1005 SBPB, PHP-1006 SBPB, PHP-1007 SBPB, PHP-1008 SBPB, PHP-1009 SBPB, PHP-10010 SBPB, PHP-10012 SBPB, PHP-1003 N2PB, PHP-1004 N2PB, PHP-1005 N2PB, PHP-1006 N2, PHP-10002500 Copper Manifolds, Manifolds

References

- [User Manual](#)

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