

***PRECISION HYDRONIC PRODUCTS***  
***Wholesale Price Guide 2018***

802 SE 199th Avenue  
Portland, OR 97233  
Phone (503) 445-4188 • FAX (503) 445-4187  
[www.pppinc.net/price-list.html](http://www.pppinc.net/price-list.html)

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

Part Number	Description	\$ Price
PHP-10002500	2 Loop 1" x 1/2" Plain Drop	22.40
PHP-10003500	3 Loop 1" x 1/2" Plain Drop	27.25
PHP-10006500	6 Loop 1" x 1/2" Plain Drop	46.05
PHP-100012500	12 Loop 1" x 1/2" Plain Drop	79.65



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

Part Number	Description	\$ Price
PHP-10002500 PB	2 Loop 1" x 1/2" PEX Barb	23.35
PHP-10003500 PB	3 Loop 1" x 1/2" PEX Barb	28.50
PHP-10006500 PB	6 Loop 1" x 1/2" PEX Barb	48.00
PHP-100012500 PB	12 Loop 1" x 1/2" PEX Barb	86.95



### 1" Copper Manifolds w/1/2" Ball Valve PEX Barb (2 1/2" Oc)

Part Number	Description	\$ Price
PHP-10002500 PBBV	2 Loop 1" x 1/2" Ball Valve w/PEX Barb	49.90
PHP-10003500 PBBV	3 Loop 1" x 1/2" Ball Valve w/PEX Barb	62.60
PHP-10006500 PBBV	6 Loop 1" x 1/2" Ball Valve w/PEX Barb	116.80
PHP-100012500 PBBV	12 Loop 1" x 1/2" Ball Valve w/PEX Barb	223.40



### 1" Copper Manifolds w/1/2" Compex Ball Valve (2 1/2" Oc)

Part Number	Description	\$ Price
PHP-10002500 CPX3BV	2 Loop 1" x 1/2" Compex Ball Valve	62.75
PHP-10003500 CPX3BV	3 Loop 1" x 1/2" Compex Ball Valve	87.70
PHP-10006500 CPX3BV	6 Loop 1" x 1/2" Compex Ball Valve	114.65
PHP-100012500 CPX3BV	12 Loop 1" x 1/2" Compex Ball Valve	323.85



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

Part Number	Description	\$ Price
PHP-12502750 PBBV	2 Loop 1 1/4" x 3/4" Ball Valve w/PEX Barb	82.95
PHP-12503750 PBBV	3 Loop 1 1/4" x 3/4" Ball Valve w/PEX Barb	119.90
PHP-12504750 PBBV	4 Loop 1 1/4" x 3/4" Ball Valve w/PEX Barb	156.90





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

Part Number	Description	\$ Price
PHP-1003 SBPB	3 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End	29.15
PHP-1004 SBPB	4 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End	35.45
PHP-1005 SBPB	5 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End	41.05
PHP-1006 SBPB	6 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End	46.95
PHP-1007 SBPB	7 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End	52.85
PHP-1008 SBPB	8 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End	62.00
PHP-1009 SBPB	9 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End	63.35
PHP-10010 SBPB	10 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End	70.20
PHP-10012 SBPB	12 Loop 1" x 1/2 Pex Barb ftg, Belled & Spun Clsd End	82.35



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

Part Number	Description	\$ Price
PHP-1003 N2PB	3 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.	34.85
PHP-1004 N2PB	4 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.	41.20
005 N2PB	5 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.	46.70
PHP-1006 N2PB	6 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.	52.65
PHP-1007 N2PB	7 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.	58.60
PHP-1008 N2PB	8 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.	67.70
PHP-1009 N2PB	9 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.	69.00
PHP-10010 N2PB	10 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.	75.85
PHP-10012 N2PB	12 Loop 1" x 1/2 Pex Barb ftg, Reduced Ends w/3/4" PEX Barb ftg.	88.00



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

Part Number	Description	\$ Price
003 N2PBBV	3 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg	69.50
PHP-1004 N2PBBV	4 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg	87.35
PHP-1005 N2PBBV	5 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg	104.45
PHP-1006 N2PBBV	6 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg	121.85
PHP-1007 N2PBBV	7 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg	139.35
PHP-1008 N2PBBV	8 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg	159.40
PHP-1009 N2PBBV	9 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg	178.25
PHP-10010 N2PBBV	10 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg	191.25
PHP-10012 N2PBBV	12 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Ends Reduced w/3/4" PEX Barb Ftg	224.55



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

Part Number	Description	\$ Price
PHP-1003 SBPBBV	3 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End	63.75
PHP-1004 SBPBBV	4 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End	81.70
PHP-1005 SBPBBV	5 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End	98.75
PHP-1006 SBPBBV	6 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End	116.20
PHP-1007 SBPBBV	7 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End	133.65
PHP-1008 SBPBBV	8 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End	154.30
PHP-1009 SBPBBV	9 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End	167.25
PHP-10010 SBPBBV	10 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End	185.60
PHP-10012 SBPBBV	12 Loop 1" x 1/2 Pex Barb Ball Valve ftg, Belled & Spun Clsd End	220.90



**1" X 1/2" PEX Barb fgt., Spun Closed and Reduced End w/3/4" PEX Barb fgt. (2" Ctrs)**

Part Number	Description	\$ Price
PHP-1003 SNPB	3 Loop 1" x 1/2 Pex Barb fgt, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	31.75
PHP-1004 SNPB	4 Loop 1" x 1/2 Pex Barb fgt, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	38.10
PHP-1005 SNPB	5 Loop 1" x 1/2 Pex Barb fgt, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	43.60
PHP-1006 SNPB	6 Loop 1" x 1/2 Pex Barb fgt, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	49.55
PHP-1007 SNPB	7 Loop 1" x 1/2 Pex Barb fgt, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	55.50
PHP-1008 SNPB	8 Loop 1" x 1/2 Pex Barb fgt, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	64.50
PHP-1009 SNPB	9 Loop 1" x 1/2 Pex Barb fgt, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	65.90
PHP-10010 SNPB	10 Loop 1" x 1/2 Pex Barb fgt, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	74.70
PHP-10012 SNPB	12 Loop 1" x 1/2 Pex Barb fgt, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	84.95



**1" X 1/2" PEX Barb Ball Valve, Spun Closed and Reduced End w/3/4" PEX Barb fgt. (2" Ctrs)**

Part Number	Description	\$ Price
PHP-1003 SNPBBV	3 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	66.35
PHP-1004 SNPBBV	4 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	84.25
PHP-1005 SNPBBV	5 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	101.35
PHP-1006 SNPBBV	6 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	118.75
PHP-1007 SNPBBV	7 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	136.25
PHP-1008 SNPBBV	8 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	156.90
PHP-1009 SNPBBV	9 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	169.80
PHP-10010 SNPBBV	10 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	188.15
PHP-10012 SNPBBV	12 Loop 1" x 1/2 Pex Barb Ball Valve, Spun Clsd & Reduced End w/3/4" PEX Barb fgt.	223.45





**72" Copper Heating Manifolds x 24 Drop (3" Oc)**

Part Number	Description	\$ Price
PHP-100024500 PBBV	24 Loop 1" x 1/2" PEX Barb w/Ball Valve	450.00
PHP-100024500 PB	24 Loop 1" x 1/2" PEX Barb	167.45
PHP-100024500	24 Loop 1" x 1/2" Plain Drop	169.00
PHP-100024750	24 Loop 1" x 3/4" Plain Drop	194.00
PHP-125024500	24 Loop 1 1/4" x 1/2" Plain Drop	230.45
PHP-125024750	24 Loop 1 1/4" x 3/4" Plain Drop	251.30
PHP-150024750	24 Loop 1 1/2" x 3/4" Plain Drop	307.10
PHP-200024750	24 Loop 2" x 3/4" Plain Drop	408.25
PHP-2000241000	24 Loop 2" x 1" Plain Drop	425.50



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

Part Number	Description	\$ Price
PHP-100018750-4	18 Loop 1" x 3/4" Plain Drop	168.85
PHP-125018750-4	18 Loop 1 1/4" x 3/4" Plain Drop	219.95
PHP-150018750-4	18 Loop 1 1/2" x 3/4" Plain Drop	268.35
PHP-200018750-4	18 Loop 2" x 3/4" Plain Drop	376.90



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

Part Number	Description	\$ Price
PHP-100012750-6	12 Loop 1" x 3/4" Plain Drop	143.70
PHP-125012750-6	12 Loop 1 1/4" x 3/4" Plain Drop	188.55
PHP-150012750-6	12 Loop 1 1/2" x 3/4" Plain Drop	239.45
PHP-200012750-6	12 Loop 2" x 3/4" Plain Drop	345.55

### End Piece and Air Vent Ports 1/8" & 3/8"

Part Number	Description	\$ Price
PHP-1000125 EP	1" x 1/8" End Piece	19.30
PHP-1000375 EP	1" x 3/8" End Piece	19.30
PHP-1250125 EP	1 1/4" x 1/8" End Piece	29.15
PHP-1250375 EP	1 1/4" x 3/8" End Piece	29.15
PHP-1500125 EP	1 1/2" x 1/8" End Piece	34.25
PHP-1500375 EP	1 1/2" x 3/8" End Piece	34.25
PHP-1000125-500 EP	1" x 1/8" ftg x 1/2" ftg End Piece	25.00
PHP-1250125-500 EP	1 1/4" x 1/8" ftg x 1/2" ftg End Piece	37.15
PHP-1500125-500 EP	1 1/2" x 1/8" ftg x 1/2" ftg End Piece	40.35
PHP-2000125-500 EP	2" x 1/8" ftg x 1/2" ftg End Piece	50.30



### Thermostatic Mixing Valves

Part Number	Description	\$ Price
PHP-TMV500	Sweat 1/2" Thermostatic Mixing Valve	209.50
PHP-TMV750	Sweat 3/4" Thermostatic Mixing Valve	209.50
PHP-TMV1000	Sweat 1" Thermostatic Mixing Valve	209.50



### Mini-Sep™ - Includes Air Vent, Fast-Fill Pressure-Reducing Valve

Part Number	Description	\$ Price
PHP-MSEP-1000	1" Mini-Sep™	791.40
PHP-MSEP-1250	1 1/4" Mini-Sep™	904.45



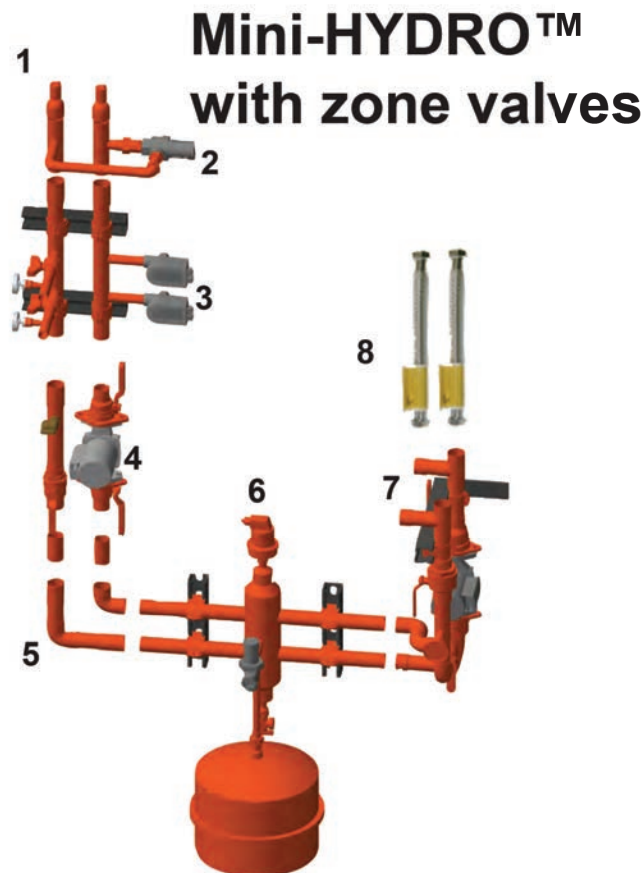
### Mini-Sep Plus™ - Includes Air Vent, Fast-Fill Pressure-Reducing Valve, Expansion Tank, Mounting Bracket.

Part Number	Description	\$ Price
PHP-MSEPPLUS-1000	1" Mini-Sep Plus™	1188.15
PHP-MSEPPLUS-1250	1 1/4" Mini-Sep Plus™	1308.40



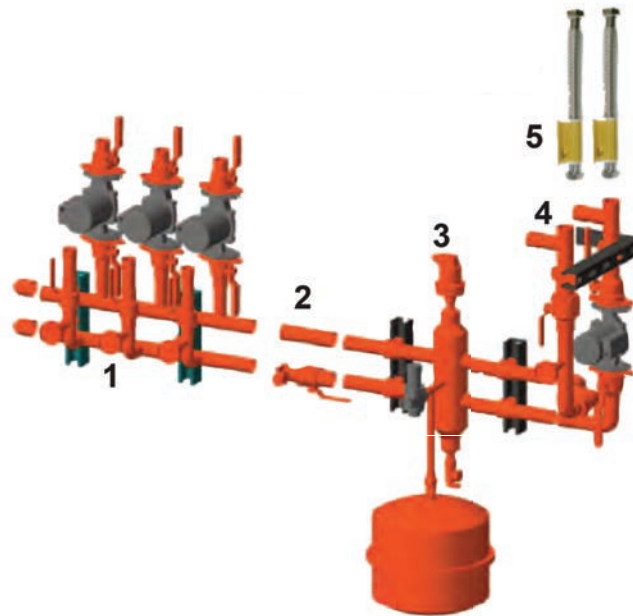
## Mini-HYDRO™ Kit - Secondary Zoning With Valves

Ref #	Part Number	Description	\$ Price
1	P-AVA 1250	Air Vent	27.00
2	PHP-PMDPV750SW KIT	Differential Pressure By-Pass Valve Kit	416.55
3	PHP-PMZVCM-1SW	1 Zone Valve Component Module	786.75
	PHP-PMZVCM-2SW	2 Zone Valve Component Module	1,436.60
	PHP-PMZVCM-3SW	3 Zone Valve Component Module	2,124.75
4	PHP-MSEP-1250SW KIT GF	Zone Valve Starter and Purge Kit - Grundfos UPS15-58FC	932.25
	PHP-MSEP-1250SW KIT TACO	Zone Valve Starter and Purge Kit - Taco 00R-MSF1-IFC	913.60
	SEP-1250SW KIT TDT	Zone Valve Starter/Purge Kit with Taco T	1,190.15
	PHP-MSEP-1250SW KIT WDP	Zone Valve Starter/Purge Kit with Wilo P	1,581.00
5	PHP-PMJBENDSW	"J" Bend Kit, 1 Short Bend, 1 Long Bend	130.80
6	PHP-MSEPPLUS-1250	1 1/4" Mini-Sep Plus	1,308.40
7	PHP-MSEP-BCG	Primary Loop Kit w/Taps and Grundfos Pump UPS15-58FC	1,630.80
	PHP-MSEP-BCT	Primary Loop Kit w/Taps and Taco Pump 00R-MSF1-IFC	1,612.15
	PHP-MSEP-BCLP	Primary Loop Kit w/out Pump	1,163.00
8	PHP-SWC-1250-18	1 1/4" Stainless Steel Flex Connector w/Sweat Adapters 18"	152.70
	PHP-SWC-1250-24	1 1/4" Stainless Steel Flex Connector w/Sweat Adapters 24"	165.95



## Mini-HYDRO™ Kit - Secondary Zoning With Pumps

Ref #	Part Number	Description	\$ Price
Not shown	PHP-AVA 1250	Air Vent	27.00
	PHP-PMPCM-1TSW	1 Zone Pump Component Module - Taco	1,123.30
	PHP-PMPCM-1GSW	1 Zone Pump Component Module - Grundfos	1,141.90
	PHP-PMPCM-2TSW	2 Zone Pump Component Module - Taco	1,899.75
	PHP-PMPCM-2GSW	2 Zone Pump Component Module - Grundfos	1,936.85
1	PHP-PMPCM-3TSW	3 Zone Pump Component Module - Taco	2,714.60
	PHP-PMPCM-3GSW	3 Zone Pump Component Module - Grundfos	2,770.40
	PHP-PMPCM-1LPSW	1 Zone Pump Component Module w/out Pump	707.85
	PHP-PMPCM-2LPSW	2 Zone Pump Component Module w/out Pump	1,092.65
	PHP-PMPCM-3LPSW	3 Zone Pump Component Module w/out Pump	1,513.15
2	PHP-MSEP-1250SW KIT	Pump Module Adapter Kit. Includ.: End Caps w/Plugs, Shutoff w/ Purge Valve	236.30
Not shown	PHP-PMJBENDSW	"J" Bend Kit, 1 Short Bend, 1 Long Bend	130.80
3	PHP-MSEPPLUS-1250	1 1/4" Mini-Sep Plus	1308.40
	PHP-MSEP-BCG	Primary Loop Kit Includs. Taps for indirect water tank connection, and Grundfos Pump (UPS15-58FC or Taco) R-MSF1-IFC pump.	1,630.80
4	PHP-MSEP-BCT	Primary Loop Kit w/Taps and Taco Pump 00R-MSF1-IFC	1,612.25
	PHP-MSEP-BCLP	Primary Loop Kit w/out Pump	1,163.00
	PHP-SWC-1250-18	1 1/4" Stainless Steel Flex Connector w/Sweat Adapters 18"	152.70
5	PHP-SWC-1250-24	1 1/4" Stainless Steel Flex Connector w/Sweat Adapters 24"	165.95



**FOR INFORMATION OR A QUOTE, CALL  
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Rev K 06-18