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*Catalogue Revised May 2013*

# Radiant Infloor Piping



All pipe is NSF and Warnock Hersey approved



brand of piping, available in pex and pex-al-pex pipe.



**25 YEAR WARRANTY ON ALL PIPE**

**Wasser Pex - Al - Pex Pipe**

			Retail
311173W	1/2"	500' coil	\$ 0.35 /ft
311174W	1/2"	600' coil	\$ 0.35 /ft
311176W	1/2"	1000' coil	\$ 0.35 /ft
311181W	5/8"	400' coil	\$ 0.86 /ft
311190	3/4"	500' coil	\$ 1.32 /ft
311153W	1"	500' coil	\$ 2.01 /ft

**Wasser Pex Pipe**

3111094	1/2" Red	600' coil	\$ 0.35 /ft
3111096	1/2" Red	1000' coil	\$ 0.35 /ft
3111101	5/8" Red	400' coil	\$ 0.50 /ft
3111097	3/4" Red	500' coil	\$ 0.64 /ft
3111097B	3/4" Blue	500' coil	\$ 0.64 /ft
3111097R	3/4" Red	500' coil	\$ 0.64 /ft
3111097BW	3/4" Blue	500' coil	\$ 0.64 /ft
3111097RW	3/4" Red	500' coil	\$ 0.64 /ft
3111319B	1" Blue	500' coil	\$ 0.99 /ft
3111318R	1" Red	500' coil	\$ 0.99 /ft

**Wasser Stick Pex Pipe**

3111097BS	3/4" Blue	20' Length	\$ 0.64 /ft
3111097RS	3/4" Red	20' Length	\$ 0.64 /ft
3111319BS	1" Blue	20' Length	\$ 0.99 /ft
3111318RS	1" Red	20' Length	\$ 0.99 /ft



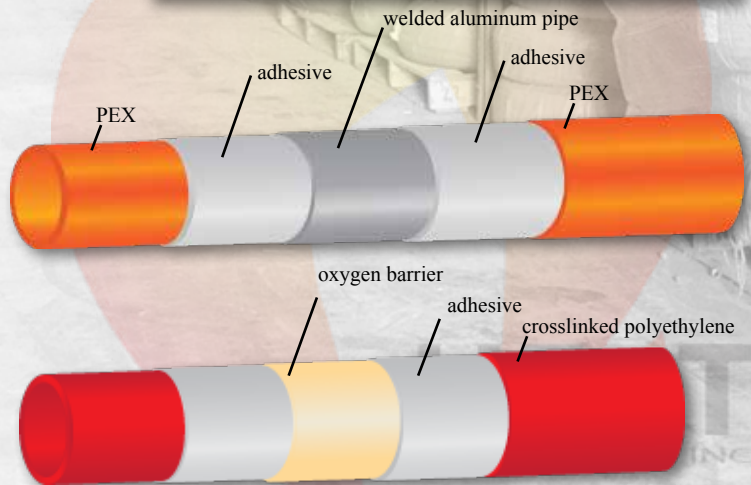
**PAP Pipe Features:**

- Five-layer composite pipe
- Aluminum core is diffusion tight, reliably preventing oxygen or gases from permeating into pipe.
- Overlap welded pipe is co-extruded in one step with perfect adhesion between the inner layer and the aluminum.
- Ultra sonic welding style creates a high and stable pressure resistance.



**Pex Pipe Features:**

- Adds versatility to any hot water heating application.
- Reliability and ease of running long distances with no splicing.
- Use crimp fittings on this pipe to cut your installation time on the job.
- Tough enough to be installed in almost any application, dry or wet.



## Heat Saver Pipe



**Features:**

- Cut charges will apply to non-stock lengths
- Flexible, seamless, efficient
- Wrapped three times in 1/4" thick, MicroFoil™ insulation.
- Average heat loss only 1-2 degrees F per 100 ft



**Heat Saver Insulated Pipe**

		Retail
51153	1" PAP, 250' roll	\$ 8.45 /ft
51151	1" PAP 125' roll	\$ 8.45 /ft
51157	1" PEX, 250' roll	\$ 6.50 /ft
511550	1" PEX, 125' roll	\$ 6.50 /ft

**Heat Shrink Tape**

4HST	4", 82' roll	\$ 5.35 /ft
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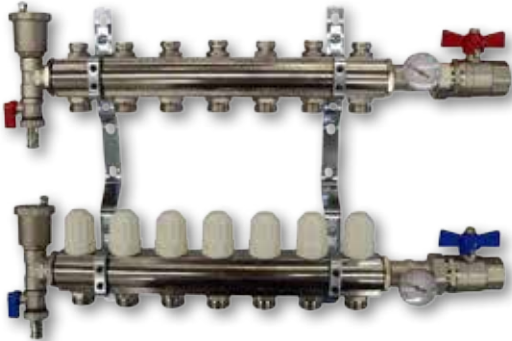


# Wasser Manifolds & Fittings



Complete manifold sets are conveniently packaged for you under one product code. The set includes supply and return manifolds, balancing valves, ball valves and temperature gauges.

1" Manifold Sets Less Adapters		Retail
3488511	3 Loop	\$ 210.00
3488512	4 Loop	\$ 239.00
3488513	5 Loop	\$ 270.00
3488514	6 Loop	\$ 298.00
3488516	8 Loop	\$ 369.00



Flow Meter Valve for Wasser Manifold		
3488508	1"	\$ 5.25
3488509	1 1/4"	\$ 5.25

Manifold Adapters		Retail
3488437	5/8" PEX	\$11.80/pair
3488363	1/2" PAP/PEX	\$ 5.71/pair
3488364	5/8" PAP	\$ 6.59/pair

Manifold Caps		Retail
3488505	3/4"	\$ 3.06

Flow Meter		
488550	1/2 to 2 GPM	\$ 20.97

Manifold Actuators		Retail
3488372	24v w/o End Switch	\$ 26.06
3488373	24v w/ End Switch	\$ 33.44

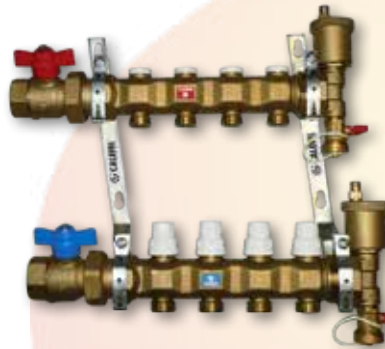
Snap-on Thermometer		Retail
675		\$ 12.09

Manifold Plugs		Retail
3488506	Coarse Thread	\$ 3.06

# Caleffi Manifolds



Pre-assembled manifold consisting of return distribution manifold complete with built-in shut-off valves suitable for thermo-electric actuator and supply distribution manifold complete with proportional flow micrometric balancing valves.



1" Manifold Sets		Retail
488511	3 Loop	\$ 303.21
488512	4 Loop	\$ 370.90
488513	5 Loop	\$ 396.81
488514	6 Loop	\$ 466.24
488515	7 Loop	\$ 494.56
488516	8 Loop	\$ 528.39
488519	10 Loop	\$ 627.66

1-1/4" Manifold Sets		
4885180	10 Loop	\$ 624.04
488520	11 Loop	\$ 732.18
488521	12 Loop	\$ 700.86

\*Flow Meters sold separately (488550)

# Manifold Material

Cut-to-Size 72" Headers (24 outlets/length)		Retail
88140	1" Main x 1/2" Outlet	\$ 201.93
88152	1" Main x 3/4" Outlet	\$ 218.51
88160	1 1/4" Main x 1/2" Outlet	\$ 235.34
88161	1 1/4" Main x 3/4" Outlet	\$ 252.13
88162	1 1/2" Main x 1/2" Outlet	\$ 285.74
88163	1 1/2" Main x 3/4" Outlet	\$ 302.55
88165	2" Main x 3/4" Outlet	\$ 436.98

Cut-to-Size 48" Headers (18 outlets/length)		Retail
88164	1 1/4 Main x 1" Outlet	\$ 264.15



Header material is available in various sizes and lengths.



# Wasser Pumps & Accessories



## Built to Last!



Wasser Cast Pump		Retail
GPD-15-6SF	115V	\$ 99.00
GPD-25-10SF	115V	\$ 240.00
GPD-25-12F	230V	\$ 250.00



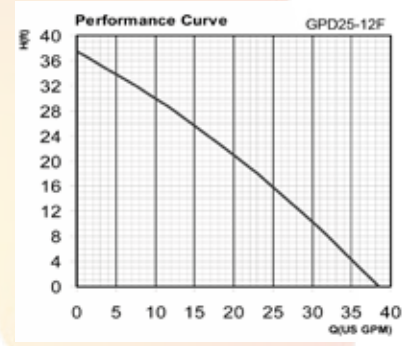
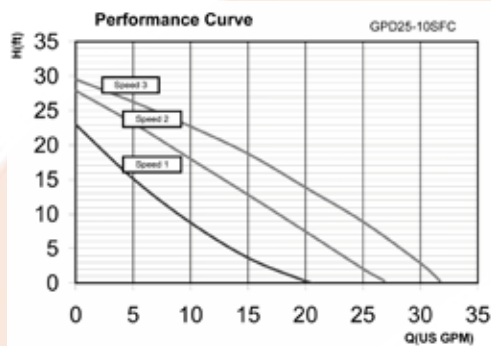
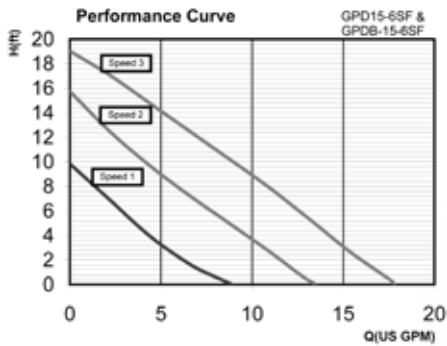
Wasser Bronze Pump		Retail
GPDB-15-6SF	115V	\$ 230.00

**Features:**

- Multiple speed technology

- Removable check valve

36 month warranty

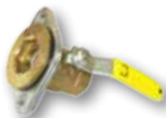


WASSER		GRUNDFOS	TACO	B & G	ARMSTRONG
GPD 15-6SF	HIGH	UPS15-58FC/FRC	005, 007, 008, 0010-IFC	NRF-22, LR-20WR	ASTRO 30
	MEDIUM	UPS15-58FC/FRC	004, 004-IFC, 0107, 007-IFC, 008, 008-IFC, 0010-IFC, 00R-IFC	NRF-9/LW	ASTRO 25
	LOW	UPS15-58FC/FRC	005, 005-IFC, 006, 006-IFC		ASTRO 20
GPD 25-10SF	HIGH	UPS26-99FC	0011, 0013-IFC, 0014	NRF-36 SP-2, NRF-45 SP-2	E7
	MEDIUM	UPS26-99FC	0011, 0011-IFC, 0014, 0014-IFC	SERIES 100, PL-30, PR, NRF-36 SP-1, NFR-45 SP-1	ASTRO 50, H41
	LOW	UPS26-99FC		LR-15BWR	ASTRO 30
GPD 25-12F	SINGLE SPEED	UP26-116F		PL36 (1/6)	ArmFlo E8 (1/6) ArmFlo E9 (1/6)

# Pump Flanges



Wasser Swivel Flanges  
 GPD1F-M 1" MIP, pair      Retail  
 \$ 13.69



Circulator Swivel Isolation Shut off Valves (Pair)  
 FLG0751 3/4" NPT      \$ 30.45  
 FLG0752 3/4" SWT      \$ 30.41  
 FLG1001 1" NPT      \$ 32.43  
 FLG1002 1" SWT      \$ 38.71  
 FLG1251 1 1/4" NPT      \$ 56.95  
 FLG1252 1 1/4" SWT      \$ 55.85



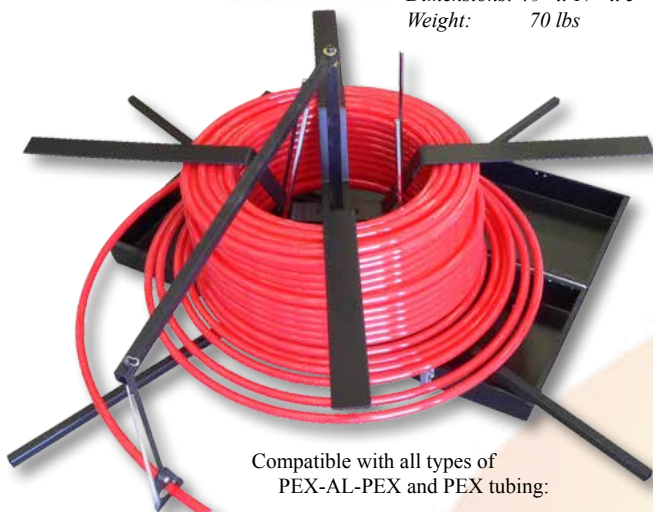
Bronze Swivel Flange Ball Valve Kit      Retail  
 FLG2706075 1 1/4" NPT      \$ 56.95  
 FLG2706076 1 1/2" NPT      \$ 56.95

\*Flanged Purge Valves are also available

# Wasser Pipe Accessories



Dimensions: 40" x 17" x 5"  
 Weight: 70 lbs



Compatible with all types of  
 PEX-AL-PEX and PEX tubing:

1000' coil of 3/8" to 1/2" pipe  
 500' coil of 5/8" to 1" pipe

Wasser Pipe Uncoiler      Retail  
 488999 c/w case      \$ 472.00



Pipe Tools  
 88347 5 in 1 Beveling Tools      \$ 10.99



388210 Pipe Cutter      \$ 11.49



Gas Test Manifold Coupling c/w gauge  
 PGGTMC2530 30 psi      \$ 18.99  
 PGGTMC2560 60 psi      \$ 18.99

Pressure Gauges  
 PG25-60 60 psi      \$ 10.25  
 PG25-100 100 psi      \$ 10.25

Clamp Ring Tool  
 31885540      Retail  
 \$ 69.79



Only one tool needed for all sizes of PEX pipe

Pex Clamp Rings  
 188402 1/2"      \$ 0.69  
 188404 3/4"      \$ 0.75  
 188405 1"      \$ 1.05



Wasser Pex/PEX-Al-Pex Crimp Tools  
 03885530 Short Tool      \$ 107.38  
 03885534 Long Tool      \$ 158.21



Wasser PAP Crimp Jaws  
 03885531 1/2", PAP Short Tool      \$ 17.76  
 03885532 5/8", PAP Short Tool      \$ 17.76  
 03885535 1/2", PAP Long Tool      \$ 22.55  
 03885536 5/8", PAP Long Tool      \$ 22.55  
 03885537 3/4", PAP Long Tool      \$ 22.55  
 03885538 1", PAP Long Tool      \$ 22.55



Wasser Pex Crimp Jaws  
 31885531 1/2", Pex Long Tool      \$ 22.47  
 31885533 5/8", Pex Long Tool      \$ 22.47  
 31885535 3/4", Pex Long Tool      \$ 22.47  
 31885538 1", Pex Long Tool      \$ 22.47



Pex Crimp Rings  
 3188301 1/2"      \$ 0.44  
 3188304 5/8"      \$ 0.48  
 3188302 3/4"      \$ 0.56  
 3188303 1"      \$ 0.77

# Hydronic Accessories



<u>Heat Transmission Plate</u>		<u>Retail</u>
388395	1/2" Pex, 5" x 24"	\$ 2.97
<i>Ideal for sub-floor or staple-up in joist applications.</i>		



<u>Pipe Stays</u>		
PS38S	3/8" IP Short	\$ 0.85
PS12S	1/2" IP Short	\$ 0.88
PS34S	3/4" IP Short	\$ 0.99
PS1S	1" IP Short	\$ 0.99
PS114S	1 1/4" Short	\$ 1.35
PS112S	1 1/2" Short	\$ 3.36
PS2CS	2" CTS Short	\$ 3.88
PS38L	3/8" IP Long	\$ 0.99
PS12L	1/2" IP Long	\$ 0.99
PS34L	3/4" IP Long	\$ 1.14
PS1L	1" IP Long	\$ 1.14
PS114L	1 1/4" Long	\$ 1.66



<u>Protectors</u>		
88206	1" Elbows (for 1/2", 5/8" pipe)	\$ 1.99
88207	PEX PAL	\$ 9.00
88208	Pex Pal End Plate	\$ 6.08
0708156	3/4" Protection Sleeve (black, split)	\$ 0.51



<u>Q-Talon</u>		
E0570232	1/2" Q-Talon	\$ 0.13
E0570231	3/4" Q-Talon	\$ 0.17

<u>Heat Shrink</u>		
488206	4" (for 3/4" and 1" fittings)	\$ 6.04
488207	4" (for 3/8", 1/2", & 5/8")	\$ 4.39
<i>Protect your connections from moisture and corrosion</i>		

## Wasser Pex-Aluminum-Pex (PAP) Compression Fittings



<u>PAP Female (FIP) Adapters</u>		
388085	1/2"H x 1/2"	\$ 4.53
388066	1/2"H x 3/4"	\$ 5.80
388086	5/8"H x 3/4"	\$ 6.61
388124	3/4"H x 3/4"	\$ 7.55
388127	1"H x 1"	\$13.16



<u>PAP Male (MIP) Adapters</u>		
388121	5/8"H x 1/2"	\$ 5.45
388081	5/8"H x 3/4"	\$ 6.04
388122	3/4"H x 3/4"	\$ 8.14
388120	1"H x 1"	\$13.12



<u>PAP Copper Socket Adapters</u>		
388135	1/2"H x 1/2"	\$ 3.55
388136	5/8"H x 3/4"	\$ 5.64
388148	3/4"H x 3/4"	\$ 7.35
388245	1"H x 1"	\$12.34



<u>PAP Copper Spigot Adapters</u>		
388138	1/2"H x 1/2"	\$ 5.55
388221	3/4"H x 3/4"	\$ 8.22
388222	1"H x 1"	\$ 14.07



<u>PAP 90° Elbows</u>		
388103	3/4"H x 1" FIP	\$15.37



<u>PAP 90° Elbows</u>		
388095	1/2" x 90°	\$ 5.13
388096	5/8" x 90°	\$ 7.24
388097	3/4" x 90°	\$11.91
388098	1" x 90°	\$19.24



<u>Wing Back 90° Elbows</u>		
388209	1/2"H x 1/2" FPT	\$ 9.50



<u>PAP Tees</u>		
388106	1/2" x 1/2" x 1/2"	\$ 10.29
388107	5/8" x 5/8" x 5/8"	\$ 9.96
388109	3/4" x 3/4" x 1/2"	\$ 15.45
388108	3/4" x 3/4" x 3/4"	\$ 16.14
388114	1"	\$ 23.39
388115	1" x 3/4"	\$ 28.99



<u>PAP Couplings</u>		
388090	1/2"	\$ 6.85
388091	5/8"	\$ 8.28
388092	3/4"	\$ 13.02
388128	1"	\$ 19.22
388255	1" x 3/4" Red	\$ 14.47



<u>PAP Caps</u>		
388116	1/2"	\$ 3.50
388117	5/8"	\$ 4.58
388118	3/4"	\$ 8.13
388318	1"	\$ 16.28



<u>PAP Valves</u>		
388143	5/8"H x 3/4"C, Socket	\$ 12.65
388145	3/4"H x 3/4"C, Socket	\$ 16.99



<u>PAP Ball Valves</u>		
388133	1/2"	\$ 12.31
388134	5/8"	\$ 13.05
388147	3/4"	\$ 14.89



<u>PAP Split Rings</u>		
388205	3/4"	\$ 1.19
388180	1"	\$ 1.19



<u>PAP O-Rings</u>		
388200	1/2"	\$ 0.21
388201	5/8"	\$ 0.21
388202	3/4"	\$ 0.21
388199	1"	\$ 0.21

<u>O-Rings</u>		
388200G	1/2"	\$ 0.21
388201G	5/8"	\$ 0.21
388202G	3/4"	\$ 0.21

\*Pricing on availability

# Wasser Pex-Aluminum-Pex (PAP) Crimp Fittings



PAP Couplings Crimp		Retail
0388500	1/2"	\$ 2.22
0388501	5/8"	\$ 3.41
0388503	3/4"	\$ 6.16
0388504	1"	\$ 9.37
0388502	5/8" x 1/2"	\$ 2.83
0388505	3/4" x 5/8"	\$ 4.55
0388506	3/4" x 5/8"	\$ 4.31
0388507	1" x 3/4"	\$ 7.29



PAP x Cap Plugs Crimp		Retail
0388545	1/2"	\$ 1.06
0388546	5/8"	\$ 1.59
0388547	3/4"	\$ 4.28
0388548	1"	\$ 4.49



PAP MPT Adapters		Retail
0388525	1/2"H x 1/2"	\$ 3.42
0388595	1/2"H x 3/4"	\$ 5.08
0388523	5/8"H x 1/2"	\$ 3.81
0388526	5/8"H x 3/4"	\$ 4.58
0388596	3/4"H x 1/2"	\$ 3.83
0388516	3/4"H x 3/4"	\$ 7.31
0388517	3/4"H x 1"	\$ 8.98
0388518	1"H x 1"	\$ 8.34



PAP FPT Adapters		Retail
0388519	1/2"H x 1/2"	\$ 3.69
0388597	1/2"H x 3/4"	\$ 4.73
0388527	5/8"H x 3/4"	\$ 5.38
0388520	3/4"H x 3/4"	\$ 4.73
0388521	3/4"H x 1"	\$ 9.35
0388522	1"H x 1"	\$ 9.77



PAP Copper Socket Adapters		Retail
0388528	1/2"H x 1/2"	\$ 2.21
0388564	1/2"H x 3/4"	\$ 3.69
0388599	3/4"H x 1/2"	\$ 3.48
0388561	3/4"H x 3/4"	\$ 5.15
0388562	3/4"H x 1"	\$ 4.23
0388563	1"H x 1"	\$ 8.43



PAP Copper Spigot Adapters		Retail
0388531	5/8"H x 3/4"	\$ 2.31
0388560	1"H x 1"	\$ 7.22



PAP Copper Socket 90° Elbows		Retail
0388537	1/2"H x 1/2"	\$ 2.96
0388539	3/4" x 3/4"	\$ 11.99



PAP MPT 90° Elbow Adapters		Retail
0388590	1/2" x 1/2"	\$ 4.94



PAP Wingback 90° Adapters		Retail
0388543	1/2"H x 1/2"	\$ 7.80
0388544	3/4"H x 3/4"	\$ 12.39



PAP 90° Elbows		Retail
0388535	1/2"	\$ 3.42
0388536	5/8"	\$ 5.52
0388533	3/4"	\$ 8.91
0388534	1"	\$ 14.02



PAP Tees Crimp		Retail
0388510	1/2"	\$ 6.23
0388511	5/8"	\$ 8.31
0388565	3/4"	\$ 15.43
0388569	1"	\$ 19.18
0388566	3/4" x 1/2" x 1/2"	\$ 7.75
0388567	3/4" x 3/4" x 1/2"	\$ 10.75
0388573	3/4" x 3/4" x 1"	\$ 13.85
0388575	1" x 3/4" x 3/4"	\$ 13.85
0388576	1" x 1" x 1/2"	\$ 12.94
0388570	1" x 1" x 3/4"	\$ 15.83



PAP Crimp Sleeves		Retail
0388550	1/2"	\$ 0.51
0388551	5/8"	\$ 0.65
0388552	3/4"	\$ 1.34
0388553	1"	\$ 1.90

# Wasser Pex Fittings



Pex MPT Adapters		Retail
3188271	1/2"H Pex x 1/2"	\$ 2.43
3188275	1/2" Pex x 3/4"	\$ 3.35
3188276	5/8" Pex x 3/4"	\$ 4.33
3188217	3/4" Pex x 1/2"	\$ 3.19
3188272	3/4"H Pex x 3/4"	\$ 3.38
3188219	3/4" Pex x 1"	\$ 5.50
3188273	1"H Pex x 1"	\$ 6.19



Pex 90° Elbows		Retail
3188240	1/2"	\$ 1.26
3188241	5/8"	\$ 2.32
3188220	3/4"	\$ 2.27
3188230	1"	\$ 3.53
3188231	3/4"H x 1/2"	\$ 2.51










Pex Tees		Retail
3188221	1/2"	\$ 1.73
3188226	5/8"	\$ 3.93
3188227	3/4"	\$ 2.84
3188229	1"	\$ 4.79
3188225	3/4" x 1/2"	\$ 2.57
3188206	3/4" x 1"	\$ 4.59
3188207	1" x 1/2"	\$ 4.17
3188228	1" x 3/4"	\$ 4.58
3188208	1" x 3/4" x 1"	\$ 4.53



Pex Couplings		Retail
3188201	1/2"	\$ 0.81
3188203	5/8"	\$ 1.07
3188209	3/4"	\$ 1.44
3188205	1"	\$ 2.49
3188214	3/4" x 1/2"	\$ 1.31
3188210	1" x 3/4"	\$ 2.28



## Wasser Pex Fittings




	<u>Pex FPT Adapters</u>		<u>Retail</u>
	3188261	1/2" Pex x 1/2"	\$ 3.35
	3188215	1/2" Pex x 3/4"	\$ 3.87
	3188262	5/8" Pex x 3/4"	\$ 4.75
	3188216	3/4" Pex x 3/4"	\$ 3.85
3188263	1" Pex x 1"	\$ 6.27	
	<u>Pex Copper Spigot Adapters</u>		
	3188211	1/2" Pex x 1/2"	\$ 1.23
	3188296	5/8" Pex x 3/4"	\$ 2.55
	3188212	3/4" Pex x 3/4"	\$ 2.17
3188213	1" Pex x 1"	\$ 2.99	
	<u>Pex Copper Spigot 90° Male</u>		
	3188235	1/2" Pex x 3/4"	\$ 3.79
	3188236	3/4" Pex x 3/4"	\$ 4.40

	<u>Pex Copper Socket Adapters</u>		<u>Retail</u>
	3188280	1/2" Pex x 1/2"	\$ 1.12
	3188297	5/8" Pex x 3/4"	\$ 3.75
	3188281	3/4" Pex x 3/4"	\$ 2.38
	3188326	1" Pex x 1"	\$ 4.87
	<u>Pex Copper 90° Female</u>		
	3188233	1/2" Pex x 3/4"	\$ 4.16
	3188234	3/4" Pex x 3/4"	\$ 4.48
	<u>Pex Valve</u>		
	3188358	1/2" Pex x 1/2" C Straight Mini	\$ 9.23
	<u>Pex Ball Valves</u>		
	3188133	1/2"	\$ 5.88
	3188138	3/4"	\$10.67
	3188148	1"	\$11.32

See Page 5 for Clamp & Crimp Ring Tool

## Wasser Valves

	<u>Copper Full Port Ball Valves</u>		<u>Retail</u>
	760C03	1/2"	\$ 6.59
	760C04	3/4"	\$ 8.59
	760C05	1"	\$ 12.89
	760C06	1 1/4"	\$ 18.69
	760C07	1 1/2"	\$ 31.19
	760C08	2"	\$ 43.99
	<u>IPS Full Port Ball Valves</u>		
	760T03	1/2"	\$ 6.90
	760T04	3/4"	\$ 8.69
	760T05	1"	\$ 9.90
	760T06	1 1/4"	\$ 18.70
	760T07	1 1/2"	\$ 30.36
	760T08	2"	\$ 43.99

	<u>3 Way Ball Valves</u>		<u>Retail</u>
	E0374570	3/4", IPS L-Port	\$ 23.00
	E0374571	1", IPS L-Port	\$ 37.00
	<u>Boiler Drains/Sediment Faucets</u>		
	204TM3	1/2"	\$ 6.29
	204TM4	3/4"	\$ 8.00
	<u>IPS Swing Checks</u>		
	520T03	1/2"	\$ 6.69
	520T04	3/4"	\$ 10.65
	520T05	1"	\$ 11.79
	520T06	1 1/4"	\$ 16.59

## Thread Sealants and Solders


	<u>Pro-Dope Pipe Joint Compound</u>		<u>Retail</u>
	E9510223	250 ml, w/Teflon	\$ 22.75
	<u>Metallic Pipe Joint Compound</u>		
	E9510212	250 ml	\$ 31.00
	<u>Teflon Tape</u>		
	506070	1/2" Pink	\$ 3.99
	<u>S39 Liquid Solder Flux</u>		
	E4030016	320 ml	\$ 29.99
	E4030015	80 ml	\$ 15.99
	<u>Solder Paste</u>		
	SP50	48 gram	\$ 3.48
	<u>Plumbers Grease</u>		
	PG14	14 grams	\$ 2.49
	PG2	20 oz	\$ 4.59


	<u>Sand Paper Roll</u>		<u>Retail</u>
	P481F	1 1/2" x 5 yd	\$ 4.45
	<u>50/50 Solder</u>		
	5050454	1 lb Bar Solder	\$ 7.29
	<u>95/5 Lead Free Solder</u>		
	955500	500 gram	\$ 26.99
	SLF500	500 gram	\$ 46.70
	<u>Universal Radiator Comb</u>		
	FST		\$ 29.97
	<u>Acid Brush</u>		
	1300AB		\$ 0.25








# Copper Fittings


<u>Copper 90° Elbows</u>		<u>Retail</u>
	E0110078 1/2"	\$ 0.94
	E0110094 3/4"	\$ 2.26
	E0110116 1"	\$ 4.10
	E0110132 1 1/4"	\$ 6.47
	112C90 1 1/2"	\$ 11.25
	E0110175 2"	\$ 20.07


<u>Spigot Copper 90° Elbows</u>		
	E0110728 1/2"	\$ 1.15
	E0110744 3/4"	\$ 2.35
	E0110774 1"	\$ 7.49
	E0110795 1 1/4"	\$ 11.07
	E0110796 1 1/2"	\$ 16.39


<u>Equal Copper Tees</u>		
	E0111333 1/2"	\$ 1.62
	E0111350 3/4"	\$ 4.14
	E0111376 1"	\$ 11.22
	E0111392 1 1/4"	\$ 14.59
	E0111393 1 1/2"	\$ 28.06


<u>Reducing Copper Tees</u>		
	E0111899 1/2" x 3/4"	\$ 7.40
	E0111791 3/4" x 1/2"	\$ 3.06
	E0111830 3/4" x 1/2" x 3/4"	\$ 3.92
	E0112003 1" x 1/2"	\$ 10.10
	E0111988 1" x 3/4"	\$ 10.28
	E0112062 1" x 3/4" x 3/4"	\$ 12.63
	11434114CT 1 1/4" x 3/4" x 1 1/4"	\$ 21.26
	1121CT 1" x 1/2" x 1"	\$ 14.27


<u>Copper Unions</u>		
	SWT10410 1/2"	\$ 6.49
	E0113527 3/4"	\$ 7.39
	E0113931 1"	\$ 25.97
	E0113933 1 1/4"	\$ 45.04


<u>Bleeder 90° Elbows (C-FPT-C)</u>		
	E0113055 1" x 1/8" x 1"	\$ 16.38


<u>Copper Caps</u>		
	E0116840 1/2"	\$ 0.76
	E0116866 3/4"	\$ 1.42
	E0116882 1"	\$ 3.37
	E0116904 1 1/4"	\$ 5.30
	E0116931 1 1/2"	\$ 7.74
	E0116955 2"	\$ 14.26
	212CC 2 1/2"	\$ 48.80


<u>Copper Bushings</u>		
	E0113743 1/2" x 1/8" FPT	\$ 3.35

<u>Copper FPT Adapters</u>		<u>Retail</u>
	E0114278 1/2" x 1/4"	\$ 2.76
	E0114049 1/2"	\$ 2.75
	E0114294 1/2" x 3/4"	\$ 3.99
	E0114065 3/4"	\$ 3.89
	E0114332 1" x 3/4"	\$ 12.54
	E0114081 1"	\$ 10.58
	E0114103 1 1/4"	\$ 12.76
	E0114120 1 1/2"	\$ 21.65

<u>Copper MPT Adapters</u>		
	E0114600 1/2" x 3/4"	\$ 4.89
	E0114723 3/4" x 1/2"	\$ 4.68
	E0114391 3/4"	\$ 2.81
	E0114413 1"	\$ 8.34
	E0114430 1 1/4"	\$ 11.51
	E0114456 1 1/2"	\$ 18.08
	E0114472 2"	\$ 30.52

<u>Copper Couplings</u>		
	E0115142 1/2"	\$ 0.60
	E0115169 3/4"	\$ 1.37
	E0115185 1"	\$ 2.56
	E0115207 1 1/4"	\$ 4.65
	E0115223 1 1/2"	\$ 6.82

<u>Reducing Copper Couplings</u>		
	E0115371 1/2" x 3/8"	\$ 1.77
	E0115410 3/4" x 1/2"	\$ 2.01
	E0115452 1" x 3/4"	\$ 4.44
	E0115533 1 1/4" x 3/4"	\$ 6.40
	E0115517 1 1/4" x 1"	\$ 6.20
	E0115592 1 1/2" x 1"	\$ 10.04
	2122CCU 2 1/2" x 2"	\$ 46.69
	3438CC 3/4" x 3/8"	\$ 3.40


<u>Reducing Copper Bushings (FTG x COP)</u>		
	E0116142 3/4" x 1/2"	\$ 2.17
	E0115479 1" x 1/2"	\$ 5.36
	E0116181 1" x 3/4"	\$ 4.03
	E0116262 1 1/4" x 3/4"	\$ 8.96
	E0116246 1 1/4" x 1"	\$ 8.96





<u>Copper Pipe 12' Lengths</u>		
3426400	1/2" -Type M	\$ 2.81 /ft
3426426	3/4" -Type M	\$ 5.05 /ft
E0714022	1" -Type L	\$ 6.65 /ft
E0714023	1 1/4" -Type L	\$ 11.29 /ft
E0714012	1 1/2" -Type M	\$ 10.39 /ft
E0714013	2" -Type M	\$ 14.45 /ft


\*\*additional brass fittings can be purchased through special orders


# PlumbQuik Push Fit Fittings


<u>PlumbQuik Ball Valves</u>		<u>Retail</u>
	588133 1/2"	\$ 9.29
	588147 3/4"	\$13.31
	588158 1"	\$22.37


<u>PlumbQuik Couplings</u>		<u>Retail</u>
	588090 1/2"	\$ 3.89
	588092 3/4"	\$ 5.91
	588128 1"	\$ 9.60

<u>PlumbQuik Elbows</u>		<u>Retail</u>
	588095 1/2"	\$ 4.99
	588097 3/4"	\$ 8.99
	588098 1"	\$13.82

<u>PlumbQuik FIP Adapters</u>		<u>Retail</u>
	588085 1/2" PQ x 1/2"	\$ 3.67
	588124 3/4" PQ x 3/4"	\$ 5.98
	588127 1" PQ x 1"	\$ 9.01

<u>PlumbQuik MIP Adapters</u>		<u>Retail</u>
	588080 1/2" PQ x 1/2"	\$ 3.60
	588122 3/4" PQ x 3/4"	\$ 6.04
	588120 1" PQ x 1"	\$ 7.91


<u>PlumbQuik Tees</u>		<u>Retail</u>
	588106 1/2"	\$ 6.55
	588108 3/4"	\$11.40
	588114 1"	\$17.97
	588115 1" x 3/4"	\$17.14


<u>PlumbQuik Cap</u>		<u>Retail</u>
	588116 1/2"	\$ 3.49


<u>PlumbQuik Disconnect Tools</u>		<u>Retail</u>
	588050 1/2"	\$ 0.07
	588052 3/4"	\$ 0.20
	588053 1"	\$ 0.66


Certified - NSF/ANSI61  
For use on: Copper, CPVC, PEX 200psi


# Brass Fittings and Nipples


<u>Rough Brass Straight 90° Elbows</u>		<u>Retail</u>
	E0270170 1"	\$ 15.90


<u>Rough Brass 90° Elbows</u>		<u>Retail</u>
	E0270113 3/4"	\$ 7.14
	E0270148 1"	\$ 11.50


<u>Rough Brass Couplings</u>		<u>Retail</u>
	E0272944 3/4"	\$ 4.63
	E0272973 1"	\$ 9.88


<u>Rough Brass Reducing Couplings</u>		<u>Retail</u>
	E0273250 3/4" x 1/2"	\$ 5.91
	E0273287 1" x 3/4"	\$ 9.95
	E0273295 1 1/4" x 1"	\$ 15.55
	E0273300 2" x 1 1/4"	\$ 36.05


<u>Rough Brass Tees</u>		<u>Retail</u>
	E0271632 3/4"	\$ 7.50
	E0271667 1"	\$ 12.20
	E0271670 1" x 1" x 3/4"	\$ 18.85


<u>1/2" Brass Nipples</u>		<u>Retail</u>
	112-D 1/2" x Close	\$ 3.49


<u>3/4" Brass Nipples</u>		<u>Retail</u>
	E3030001 3/4" x Close	\$ 3.43
	E3031446 3/4" x 2"	\$ 4.67
	E3031519 3/4" x 3"	\$ 6.29
	E3031578 3/4" x 4"	\$ 8.10

<u>1" Brass Nipples</u>		<u>Retail</u>
	E3031793 1" x Close	\$ 5.61
	E3031797 1" x 2"	\$ 6.74
	E3031853 1" x 3"	\$ 9.04
	E3031854 1" x 4"	\$ 12.00
	E3031870 1" x 6"	\$ 17.93

<u>1 1/4" Brass Nipples</u>		<u>Retail</u>
	E3031901 1 1/4" x Close	\$ 8.94

<u>2" Brass Nipples</u>		<u>Retail</u>
	E3032125 2" x 4 1/2"	\$ 34.97

<u>Rough Brass Unions</u>		<u>Retail</u>
	E0274518 1"	\$ 20.77

<u>Rough Brass Hex Bushings</u>		<u>Retail</u>
	E0275310 3/4" x 1/2"	\$ 5.55
	E0275315 1" x 1/8"	\$ 5.03
	E0275320 1" x 1/4"	\$ 6.55
	E0275336 1" x 3/4"	\$ 6.23
	E0275468 1 1/4" x 1"	\$ 9.37
	E0275581 1 1/2" x 1"	\$ 8.66
	E0275646 1 1/2" x 1/2"	\$ 11.18

# Black Malleable Fittings



90° Elbows Black (FPTxFPT)		Retail
0210130	1/8"	\$ 1.06
0210131	1/4"	\$ 1.06
0213400	3/8"	\$ 1.06
0210132	1/2"	\$ 0.72
0210133	3/4"	\$ 1.08
0210134	1"	\$ 1.82
0217010	1 1/4"	\$ 2.61
0217011	1 1/2"	\$ 3.38
0217012	2"	\$ 5.22
0210200	2 1/2"	\$ 9.73



Equal Black Tees		Retail
0211672	1/8"	\$ 1.37
0210174	1/4"	\$ 1.13
0210175	3/8"	\$ 1.13
0210176	1/2"	\$ 0.98
0210177	3/4"	\$ 1.55
0210178	1"	\$ 2.35
0217022	1 1/4"	\$ 3.47
0217023	1 1/2"	\$ 4.81
0211842	2"	\$ 7.13



90° Street Elbows Black (FPTxMPT)		Retail
0217063	1/8"	\$ 1.11
0217014	1/4"	\$ 0.95
0217015	3/8"	\$ 0.95
0210144	1/2"	\$ 0.85
0210172	3/4"	\$ 1.27
0217013	1"	\$ 1.90
0217016	1 1/4"	\$ 3.12
0217017	1 1/2"	\$ 3.86
0211419	2"	\$ 5.85



Reducing Black Tees		Retail
0212075	1/2" x 1/4"	\$ 1.23
0212054	1/2" x 3/8"	\$ 1.23
0212261	1/2" x 3/4"	\$ 1.82
0212598	1/2" x 1"	\$ 2.76
0212156	3/4" x 1/4"	\$ 1.90
0212172	3/4" x 3/8"	\$ 1.91
0213404	3/4" x 1/2"	\$ 1.74
0212245	3/4" x 1/2" x 1/2"	\$ 1.73
0212221	3/4" x 1/2" x 3/4"	\$ 1.76
0212610	3/4" x 1/2" x 1"	\$ 2.96
0212555	3/4" x 1"	\$ 2.96
0212407	1" x 1/4"	\$ 2.72
0212385	1" x 3/8"	\$ 2.73
0217066	1" x 1/2"	\$ 2.64
0212482	1" x 1/2" x 1"	\$ 2.69
0212466	1" x 3/4" x 1/2"	\$ 2.64
0212342	1" x 3/4"	\$ 2.66
0212440	1" x 3/4" x 3/4"	\$ 2.66
0212423	1" x 3/4" x 1"	\$ 2.70
0212776	1 1/4" x 3/8"	\$ 4.01
0212750	1 1/4" x 1/2"	\$ 4.03
0212989	1 1/4" x 1/2" x 1"	\$ 5.37
0212962	1 1/4" x 1/2" x 1 1/4"	\$ 4.03
0212733	1 1/4" x 3/4"	\$ 4.07
0212946	1 1/4" x 3/4" x 3/4"	\$ 4.00
0212920	1 1/4" x 3/4" x 1"	\$ 4.01
0212903	1 1/4" x 3/4" x 1 1/4"	\$ 4.07
0212717	1 1/4" x 1"	\$ 4.07
0212865	1 1/4" x 1" x 1/2"	\$ 5.37
0212843	1 1/4" x 1" x 3/4"	\$ 4.38
0212814	1 1/4" x 1" x 1"	\$ 4.06
0212792	1 1/4" x 1" x 1 1/4"	\$ 5.37
0212326	1" x 1 1/4"	\$ 5.37
0212695	1 1/4" x 1 1/2"	\$ 5.67
0210026	1 1/2" x 3/4" x 1/2"	\$ 5.28
0213098	1 1/2" x 1/2"	\$ 5.31
0213071	1 1/2" x 3/4"	\$ 5.38
0213314	1 1/2" x 3/4" x 3/4"	\$ 5.28
0213055	1 1/2" x 1"	\$ 5.37
0213276	1 1/2" x 1" x 1"	\$ 5.34
0213250	1 1/2" x 1" x 1 1/4"	\$ 6.77
0213152	1 1/2" x 1 1/4" x 1"	\$ 5.48
0213136	1 1/2" x 1 1/4" x 1 1/4"	\$ 5.42
0213110	1 1/2" x 1 1/4" x 1 1/2"	\$ 5.50
0213034	1 1/2" x 1 1/4"	\$ 5.44
0210028	2" x 1" x 1"	\$ 7.85
0210005	2" x 1 1/2" x 3/4"	\$ 8.07
0213446	2" x 1/2"	\$ 7.80
0213420	2" x 3/4"	\$ 7.94
0213659	2" x 3/4" x 2"	\$ 8.00
0213403	2" x 1"	\$ 7.91
0213381	2" x 1 1/4"	\$ 8.07



*45° Elbows Black (FPTxFPT)		Retail
0210935	1/8"	\$ 0.90
0210951	1/4"	\$ 0.85
0210142	1/2"	\$ 0.74
0210141	1"	\$ 1.81
0217019	1 1/4"	\$ 2.68
0217021	2"	\$ 5.40

*45° Street Elbows Black(FPTxMPT)		Retail
0211532	1/8"	\$ 1.70
0211559	1/4"	\$ 1.77
0211575	3/8"	\$ 1.12
0211591	1/2"	\$ 1.07
0211613	3/4"	\$ 1.71
0211630	1"	\$ 2.42
0211664	1 1/4"	\$ 4.09
0211648	1 1/2"	\$ 5.18
0211621	2"	\$ 8.42

Reducing 90° Elbows (FPTxFPT)		Retail
0210323	1/4" x 1/8"	\$ 1.30
0210340	3/8" x 1/8"	\$ 1.30
0210366	3/8" x 1/4"	\$ 1.30
0210455	1/2" x 1/8"	\$ 0.97
0210439	1/2" x 1/4"	\$ 0.91
0217057	1/2" x 3/8"	\$ 0.92
0210315	3/4" x 1/8"	\$ 1.29
0210498	3/4" x 3/8"	\$ 1.21
0210552	1" x 3/8"	\$ 1.96
0217059	1" x 1/2"	\$ 1.96
0217060	1" x 3/4"	\$ 1.97
0210617	1 1/4" x 3/4"	\$ 3.04
0210595	1 1/4" x 1"	\$ 3.38
0210714	1 1/2" x 1/2"	\$ 4.06
0210692	1 1/2" x 3/4"	\$ 3.96
0210676	1 1/2" x 1"	\$ 4.01
0210650	1 1/2" x 1 1/4"	\$ 4.01
0210803	2" x 3/4"	\$ 5.91
0210781	2" x 1"	\$ 6.01
0210740	2" x 1 1/2"	\$ 6.05
0210765	2" x 1 1/4"	\$ 6.04



# Black Malleable Fittings



Reducing Black Tees Con't		Retail
0213616	2" x 1 1/4" x 1 1/4"	\$ 7.89
0213594	2" x 1 1/4" x 1 1/2"	\$ 8.07
0213578	2" x 1 1/4" x 2"	\$ 8.07
0213365	2" x 1 1/2"	\$ 8.04
0213535	2" x 1 1/2" x 1 1/4"	\$ 8.07



Black Cross Tees		Retail
0210773	1/8"	\$ 2.39
0211001	3/8"	\$ 2.21
0214230	1/2"	\$ 2.04
0214256	3/4"	\$ 2.93
0214272	1"	\$ 4.49
0214299	1 1/4"	\$ 6.25
0214325	1 1/2"	\$ 7.72
0214345	2"	\$ 12.88



Black Unions		Retail
0217123	1/8"	\$ 4.20
0217140	1/4"	\$ 3.41
0217166	3/8"	\$ 3.41
0212050	1/2"	\$ 3.10
0212051	3/4"	\$ 3.87
0210352	1"	\$ 5.33
0217050	1 1/4"	\$ 6.95
0217051	1 1/2"	\$ 9.28
0217052	2"	\$ 13.49



Floor Flanges		Retail
0217053	1"	\$ 3.84
0217054	1 1/4"	\$ 5.57
0217055	1 1/2"	\$ 6.54
0217056	2"	\$ 8.15



Reducing Bushings (MPTxFPT)		Retail
0211815	3/8" x 1/8"	\$ 0.85
0210450	3/8" x 1/4"	\$ 0.73
0211817	1/2" x 1/8"	\$ 0.51
0217085	1/2" x 1/4"	\$ 0.51
0212608	1/2" x 3/8"	\$ 0.51
0211821	3/4" x 1/8"	\$ 0.65
0211820	3/4" x 1/4"	\$ 0.64
0217086	3/4" x 3/8"	\$ 0.64
0212609	3/4" x 1/2"	\$ 0.63
0211825	1" x 1/4"	\$ 0.99
0217087	1" x 3/8"	\$ 0.99
0212612	1" x 1/2"	\$ 0.99
0212611	1" x 3/4"	\$ 0.98
0211833	1 1/4" x 1/4"	\$ 1.71
0211831	1 1/4" x 1/2"	\$ 1.65
0211830	1 1/4" x 3/4"	\$ 1.64
0217035	1 1/4" x 1"	\$ 1.63
0211840	1 1/2" x 1/4"	\$ 2.04
0211838	1 1/2" x 1/2"	\$ 1.95
0211837	1 1/2" x 3/4"	\$ 1.96
0211836	1 1/2" x 1"	\$ 1.95
0217038	1 1/2" x 1 1/4"	\$ 1.90
0211848	2" x 1/4"	\$ 3.46
0211847	2" x 3/8"	\$ 2.77
0211846	2" x 1/2"	\$ 2.73
0211845	2" x 3/4"	\$ 2.74
0211844	2" x 1"	\$ 2.76
0211843	2" x 1 1/4"	\$ 2.73
0217043	2" x 1 1/2"	\$ 2.70
0211853	2 1/2" x 1 1/4"	\$ 5.01
0211852	2 1/2" x 1 1/2"	\$ 5.57
0211851	2 1/2" x 2"	\$ 5.57
0211858	3" x 2"	\$ 7.39



Black Steel Weldable Couplings		Retail
0216135	1/8"	\$ 2.01
0216151	1/4"	\$ 1.60
0216178	3/8"	\$ 1.75
0216194	1/2"	\$ 2.08
0216216	3/4"	\$ 2.79
0216232	1"	\$ 4.10
0216259	1 1/4"	\$ 4.83
0216275	1 1/2"	\$ 6.17
0216291	2"	\$ 9.25



Equal Black Couplings		Retail
0210179	1/8"	\$ 0.66
0210440	3/8"	\$ 0.61
0210441	1/2"	\$ 0.57
0210442	3/4"	\$ 0.84
0210443	1"	\$ 1.31
0217025	1 1/4"	\$ 1.97
0217026	1 1/2"	\$ 2.47
0217027	2"	\$ 3.62



Reducing Couplings		Retail
0215198	1/4" x 1/8"	\$ 0.90
0215236	3/8" x 1/8"	\$ 0.90
0215210	3/8" x 1/4"	\$ 0.68
0215279	1/2" x 1/4"	\$ 0.65
0217028	1/2" x 3/8"	\$ 0.65
0215376	3/4" x 1/8"	\$ 0.95
0215350	3/4" x 1/4"	\$ 0.96
0215333	3/4" x 3/8"	\$ 0.96
0210448	3/4" x 1/2"	\$ 0.96
0215392	1" x 1/4"	\$ 1.40
0215465	1" x 3/8"	\$ 1.44
0217030	1" x 1/2"	\$ 1.45
0217029	1" x 3/4"	\$ 1.45
0215520	1 1/4" x 1/2"	\$ 2.11
0215503	1 1/4" x 3/4"	\$ 2.12
0217031	1 1/4" x 1"	\$ 2.16
0215616	1 1/2" x 1/2"	\$ 3.06
0215589	1 1/2" x 3/4"	\$ 3.06
0215562	1 1/2" x 1"	\$ 2.61
0217079	1 1/2" x 1 1/4"	\$ 2.63
0215716	2" x 1/2"	\$ 3.92
0215694	2" x 3/4"	\$ 4.65
0215678	2" x 1"	\$ 4.00
0215651	2" x 1 1/4"	\$ 4.65
0215635	2" x 1 1/2"	\$ 4.04
0215759	2 1/2" x 1 1/2"	\$ 8.01
0215732	2 1/2" x 2"	\$ 8.17



Black Square Head Plugs (MPT)		Retail
0210444	1/8"	\$ 0.38
0210445	1/4"	\$ 0.38
0210446	3/8"	\$ 0.41
0210947	1/2"	\$ 0.41
0210948	3/4"	\$ 0.62
0210949	1"	\$ 0.90
0217047	1 1/4"	\$ 1.41
0217048	1 1/2"	\$ 1.66
0217049	2"	\$ 2.49



Black Caps (FPT)		Retail
0214426	1/8"	\$ 0.60
0210136	1/4"	\$ 0.55
0210437	3/8"	\$ 0.55
0210138	1/2"	\$ 0.49
0210139	3/4"	\$ 0.59
0210140	1"	\$ 0.96
0217044	1 1/4"	\$ 1.45
0217045	1 1/2"	\$ 2.00
0214582	2"	\$ 2.74
0214604	2 1/2"	\$ 5.96
0214655	3 1/2"	\$ 32.35

# Black Steel Nipples



<u>1/8" Black Steel Nipples</u>		<u>Retail</u>
3016100	1/8" x CL	\$ 0.89
3010058	1/8" x 1 1/2"	\$ 1.05
3016102	1/8" x 2"	\$ 1.09
3010108	1/8" x 2 1/2"	\$ 1.17
3010136	1/8" x 3"	\$ 1.17
3010155	1/8" x 3 1/2"	\$ 1.42
3010171	1/8" x 4"	\$ 1.54
3010198	1/8" x 4 1/2"	\$ 1.86
3010210	1/8" x 5"	\$ 2.02
3010236	1/8" x 5 1/2"	\$ 2.30



<u>1" Black Steel Nipples</u>		<u>Retail</u>
3016915	1" x CL	\$ 1.16
3016916	1" x 2"	\$ 1.30
3016139	1" x 2 1/2"	\$ 1.44
3016917	1" x 3"	\$ 1.51
3016140	1" x 3 1/2"	\$ 1.78
3016918	1" x 4"	\$ 1.92
3016155	1" x 4 1/2"	\$ 2.12
3016133	1" x 5"	\$ 2.26
3016156	1" x 5 1/2"	\$ 2.53
3016919	1" x 6"	\$ 2.74

<u>1/4" Black Steel Nipples</u>		<u>Retail</u>
3016105	1/4" x CL	\$ 0.89
3016106	1/4" x 1 1/2"	\$ 1.04
3016107	1/4" x 2"	\$ 1.13
3010376	1/4" x 2 1/2"	\$ 1.20
3016910	1/4" x 3"	\$ 1.34
3010414	1/4" x 3 1/2"	\$ 1.51
3016911	1/4" x 4"	\$ 1.66
3016148	1/4" x 4 1/2"	\$ 2.04
3016149	1/4" x 5"	\$ 2.42
3016150	1/4" x 5 1/2"	\$ 2.68
3016151	1/4" x 6"	\$ 2.93

<u>1 1/4" Black Steel Nipples</u>		<u>Retail</u>
3016920	1 1/4" x CL	\$ 1.49
3016921	1 1/4" x 2"	\$ 1.64
3016157	1 1/4" x 2 1/2"	\$ 1.78
3016922	1 1/4" x 3"	\$ 1.99
3016158	1 1/4" x 3 1/2"	\$ 2.26
3016923	1 1/4" x 4"	\$ 2.53
3016159	1 1/4" x 4 1/2"	\$ 2.88
3016924	1 1/4" x 5"	\$ 3.15
3016160	1 1/4" x 5 1/2"	\$ 3.43
3016925	1 1/4" x 6"	\$ 3.63

<u>3/8" Black Steel Nipples</u>		<u>Retail</u>
3016110	3/8" x CL	\$ 0.92
3016111	3/8" x 1 1/2"	\$ 1.08
3016112	3/8" x 2"	\$ 1.14
3016109	3/8" x 2 1/2"	\$ 1.30
3016912	3/8" x 3"	\$ 1.43
3016152	3/8" x 3 1/2"	\$ 1.57
3016913	3/8" x 4"	\$ 1.77
3016153	3/8" x 4 1/2"	\$ 2.22
3016113	3/8" x 5"	\$ 2.35
3010759	3/8" x 5 1/2"	\$ 2.58
3016914	3/8" x 6"	\$ 2.91

<u>1 1/2" Black Steel Nipples</u>		<u>Retail</u>
3016926	1 1/2" x CL	\$ 1.77
3016927	1 1/2" x 2"	\$ 1.99
3016161	1 1/2" x 2 1/2"	\$ 2.26
3016928	1 1/2" x 3"	\$ 2.47
3016162	1 1/2" x 3 1/2"	\$ 2.81
3016929	1 1/2" x 4"	\$ 3.01
3016163	1 1/2" x 4 1/2"	\$ 3.49
3016930	1 1/2" x 5"	\$ 3.90
3016164	1 1/2" x 5 1/2"	\$ 4.18
3016931	1 1/2" x 6"	\$ 4.52

<u>1/2" Black Steel Nipples</u>		<u>Retail</u>
3016115	1/2" x CL	\$ 0.60
3016116	1/2" x 1 1/2"	\$ 0.64
3016117	1/2" x 2"	\$ 0.74
3016123	1/2" x 2 1/2"	\$ 0.79
3016118	1/2" x 3"	\$ 0.84
3016126	1/2" x 3 1/2"	\$ 0.94
3016119	1/2" x 4"	\$ 1.03
3016129	1/2" x 4 1/2"	\$ 1.22
3016120	1/2" x 5"	\$ 1.37
3016130	1/2" x 5 1/2"	\$ 1.48
3016121	1/2" x 6"	\$ 1.51

<u>2" Black Steel Nipples</u>		<u>Retail</u>
3016932	2" x CL	\$ 2.48
3016165	2" x 2 1/2"	\$ 2.83
3016933	2" x 3"	\$ 3.23
3012379	2" x 3 1/2"	\$ 3.66
3016934	2" x 4"	\$ 4.11
3012417	2" x 4 1/2"	\$ 4.53
3016935	2" x 5"	\$ 5.00
3012450	2" x 5 1/2"	\$ 5.73
3016936	2" x 6"	\$ 5.83

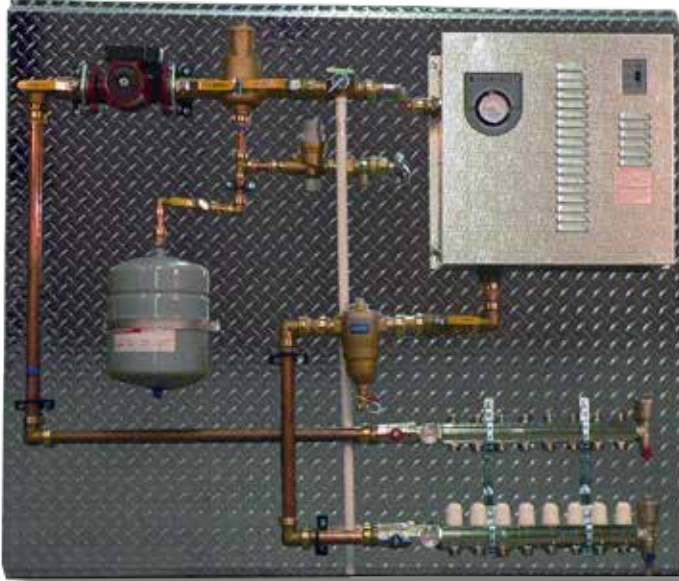
<u>3/4" Black Steel Nipples</u>		<u>Retail</u>
3016122	3/4" x CL	\$ 0.70
3016131	3/4" x 1 1/2"	\$ 0.78
3016124	3/4" x 2"	\$ 0.92
3016132	3/4" x 2 1/2"	\$ 0.99
3016125	3/4" x 3"	\$ 1.11
3016134	3/4" x 3 1/2"	\$ 1.24
3016135	3/4" x 4"	\$ 1.36
3016136	3/4" x 4 1/2"	\$ 1.51
3016127	3/4" x 5"	\$ 1.71
3016137	3/4" x 5 1/2"	\$ 1.88
3016128	3/4" x 6"	\$ 2.08

<u>2 1/2" Black Steel Nipples</u>		<u>Retail</u>
3012573	2 1/2" x CL	\$ 6.65
3012590	2 1/2" x 3"	\$ 6.85
3012611	2 1/2" x 3 1/2"	\$ 7.55
3012638	2 1/2" x 4"	\$ 8.39
3012654	2 1/2" x 4 1/2"	\$ 7.64
3012684	2 1/2" x 5"	\$ 8.10
3012718	2 1/2" x 5 1/2"	\$ 8.62



# Boiler Boards

## *Pre-designed and Fabricated BOILER BOARDS*



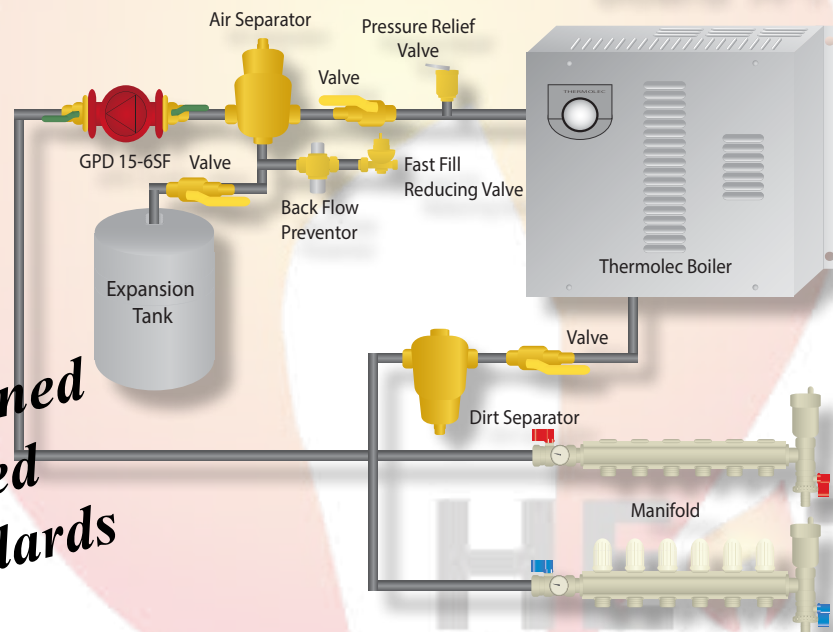
*Call us at 1-888-385-HEAT for more information  
and applications for Gas and Electric Boilers*

### *Features:*

- Component sizing based on individual heat loss calculations.
- Convenient and fast: saves installation time and money.
- Configured according to certified hydronic design (CIPH) criteria.
- Industry leading warranty.



### Board "A-1"



*Every system designed  
to meet or exceed  
certification standards*

# Thermolec Electric Boilers



PROUDLY MADE IN CANADA

# THERMOLEC

## ELECTRIC BOILER



Thermolec Electric Boiler

		Retail
B-3TMB	3 KW	\$ 910.00
B-6TMB	6 KW	\$ 948.00
B-9TMB	9 KW	\$ 986.00
B-11TMB	11 KW	\$ 1,042.00
B15	15 KW	\$ 1,279.00
B18	18 KW	\$ 1,365.00
B20	20 KW	\$ 1,365.00
B23	23 KW	\$ 1,501.00
B27	27 KW	\$ 1,857.00
B30	30 KW	\$ 1,857.00
B35	35 KW	\$ 2,218.00
B40	40 KW	\$ 2,218.00
B18-208V/600V	18 KW	\$ 1,895.00
B24-208V/600V	24 KW	\$ 1,985.00
B30-208V/600V	30 KW	\$ 2,317.00
B36-600V	36 KW	\$ 2,633.00
B42-600V	42 KW	\$ 3,264.00

Models	B-3TMB	B-6TMB	B-9TMB	B-11TMB	B-15	B-18	B-20	B-23	B-27	B-30	B-35	B-40
<b>KW</b>	3	6	9	11	15	18	20	23	27	30	35	40
<b>BTU/H</b>	10,236	20,472	30,708	37,532	51,180	61,416	68,240	78,476	92,124	102,360	119,420	136,480
<b>Total Amps</b>	12.50	25.00	37.50	45.80	62.50	75.00	83.37	95.83	112.50	125.00	145.83	166.67
<b>No. of Power Supplies</b>	1 @ 20A	1 @ 40A	1 @ 50A	1 @ 60A	1 @ 80A	1 @ 100A	1 @ 125A	1 @ 125A	2 @ 80A	2 @ 80A	2 @ 100A	2 @ 125A
<b>Unit Weight</b>	21 lbs	23 lbs	25 lbs	27 lbs	35 lbs				60 lbs			
<b>Size</b>	13" x 18" x 8.875"				18" x 18" x 9.5"				18" x 28" x 9.5"			



### THERMOLEC Standard Features

**Fully Modulating**

Ideal for multiple zone systems 15% energy savings versus staged boiler

**Fully Serviceable**

Tanks and elements serviceable

**Outdoor Sensor and Reset Control**

Adjusts water temperature based on outdoor temperature to maximize efficiency and comfort

**Electronic Aquastat**

Precise supply water temperature control  
Designed for radiant floor or baseboard systems

**Stainless Steel Tank**

Durable, corrosion-resistant heat generator vessel

**Wide Range of kW Sizes Available**

3 - 42 kW, up to 600v, 3 phase

**Compact and Lightweight Design**

### ***LIMITED WARRANTY***

*10 years on elements and tank*

*2 years on all other components*

# Wall Hung Gas Boilers



SIME Wall Hung Boilers		Retail
PD30 Combi	110,000 BTU/HR	\$ 4,582.00
PD30/50	110,000 BTU/HR 50 litre domestic storage	\$ 5,622.00
PD60	210,000 BTU/HR	\$ 7,098.00

### SIME Wall Hung Boiler Features:

- Condensing wall hung up to 98% efficiency
- Full gas / air modulation
- Stainless steel heat-exchanger
- Available in natural gas and LP gas
- ASME rated



Model	Heat Output		Efficiency Rating	Flow Rate
	kW	Btu/h	%	
Planet Dewy 60 BFR	21.7 ÷ 56.7	74,400 ÷ 192,300	98	-
Planet Dewy 30/50	8.0 ÷ 29.5	27,300 ÷ 100,800	98	14.3 / (3.78)
Planet Dewy 30 BFT	8.0 ÷ 29.5	27,300 ÷ 100,800	98	-

## Cascade System

An example of a cascade system with three wall hung boilers ready to be placed in a boiler room.

Pre-assembled cascade system reduces installation time and minimizes footprint. As a result the end installation is efficient, functional and neat.





# Natural Gas and Propane Boilers



**Specifications:**  
 Overall Dimensions: 15" x 20 1/2" x 23"  
 Shipping Weight: 80 lbs  
 NPT Supply/Return: 3/4"

Trinity Condensing Boiler (Heating Only)		Retail
Ti100	100,000 BTU/HR	\$ 3,470.00
Ti150	150,000 BTU/HR	\$ 3,708.00
Ti200	200,000 BTU/HR (CRN)	\$ 4,648.00

Trinity Condensing Boiler (Combo Unit)		Retail
Ti150C	150,000 BTU/HR	\$ 4,506.00
Ti200C	200,000 BTU/HR (CRN)	\$ 5,589.00

The Combo Units come complete with a built-in domestic hot water heat exchanger.



Trinity LX		Retail
Lx150	150,000 BTU/HR	\$ 4,461.00
Lx150E	150,000 BTU/HR	\$ 5,267.00
Lx200	200,000 BTU/HR	\$ 5,435.00
Lx300	275,000 BTU/HR	\$ 7,400.00
Lx400	399,000 BTU/HR	\$ 9,000.00
Lx500	500,000 BTU/HR	\$11000.00
Lx600	600,000 BTU/HR	\$14000.00
Lx700	700,000 BTU/HR	\$18000.00
Lx800	800,000 BTU/HR	\$19000.00

### Trinity LX Boiler Features:

- State-of-the-art touchscreen display
- Patented 316L stainless heat exchanger with efficiencies of up to 98% steady state and 93.7% AFUE
- Industry-leading modulation rates
- Alarm contact
- Innovative floor or wall-mount configuration provides exceptional access to all components
- Factory-installed condensate trap with no moving parts
- Spark ignition with dual electrodes using a high-output transformer for unparalleled ignitions
- Removable door and hinged display panel for ultimate access and serviceability
- No clearance required on the back, bottom or right side
- Three configurable pump outputs

	Lx150	Lx150E	Lx200	Lx300	Lx400	Lx500	Lx600	Lx700	Lx800
Input Modulation (1000 btu/hr)	30 - 150	30 - 150	40 - 199	55 - 275	80 - 399	100 - 500	120 - 600	160 - 700	160 - 800
Water (NPT)	1	1	1	1 1/4	1 1/4	2	2	2	2
Weight (lbs)	100	125	125	190	225	325	400	450	450
Max. Pressure (PSI)	145	145		160	145	160	160	160	160
Gas Connection (NPT)	1/2			1/2	3/4	3/4	1	1	1
Vent & Air Size - Max. Length	3" - 105' NG, 50' LP				4" or 6" - 100'				
Dimensions (H x W x D)	29.5 x 17 x 18.5"			36 x 17 x 21"	36 x 17 x 24"	43 x 17 x 28.5"	37 x 17 x 44"	37 x 17 x 53.5"	

# Water to Air Heat Exchanger Radiators



## Water to Air Heat Exchanger Radiators

			Retail
89026	12 x 14	(1/2" Socket Solder Connection)	\$ 130.00
89027	17 x 20	(1/2" FTG Solder Connection)	\$ 222.00
89028	17 x 20	(1" FTG Solder Connection)	\$ 301.00
890281	18 x 18	(1" FTG Solder Connection)	\$ 290.00
89029	23 x 24	(1" FTG Solder Connection)	\$ 393.00
890291	36 x 36	(3/4" FTG Solder Connection)	\$ 468.00

*Custom sizes available upon request.*

Along with the industry standard sizes, **HEAT INNOVATIONS INC.** also provides special order coils to meet many different needs. Extra long fin lengths, intermediate tube supports and a wide variety of tube wall and fin thicknesses are available.

*Consult your Heat Innovations Inc. representative for all your coil needs.*



*Call us at 1-888-385-4328 for more information.*

PART #	RAD SIZE	ROWS	GALLONS PER MINUTE	CUBIC FEET PER MINUTE	ENTERING WATER TEMP	LEAVING WATER TEMP	AIR PRESSURE DROP	WATER PRESSURE DROP	BTU PER HOUR
89026	12 X 14	2	3	650	140	122.7	0.29	2.89	25,520
	12 X 14	2	3	650	180	153.5	0.29	2.68	38,704
89027	17 X 20	2	6	1200	140	123.7	0.25	3.01	48,160
	17 X 20	2	6	1200	180	154.4	0.25	2.79	74,600
89028	17 X 20	3	6	1200	140	120.5	0.37	0.67	57,602
	17 X 20	3	6	1200	180	149.4	0.37	0.62	89,593
890281	18 X 18	3	6	1200	140	125.2	0.27	2.80	43,660
	18 X 18	3	6	1200	180	156.3	0.27	2.70	69,460
89029	23 X 24	3	6	1850	140	110.9	0.36	2.36	86,175
	23 X 24	3	6	1850	180	134.5	0.36	1.96	133,519
890291	36 X 36	2	6	6000	140	98.2	0.14	6.08	126,308
	36 X 36	2	6	6000	180	113.1	0.14	6.08	200,536

FIGURES ARE BASED ON ENTERING AIR TEMPERATURE OF 70 DEGREES F.

# Fan Coils



## Air Handlers

MXC08	800 CFM, 120 Volt, 3 Speed, 67K BTU	\$ 1,001.00
MXC12	1200 CFM, 120 Volt, 3 Speed, 94K BTU	\$ 1,246.00
MXC16	1600 CFM, 120 Volt, 3 Speed, 108K BTU	\$ 1,365.00
MXC20	2000 CFM, 120 Volt, 3 Speed, 124K BTU	\$ 1,427.00

## Retail



# Wall-Mount Radiators



**WASSER Radiator Features:**

- 1/2" FPT water connections
- Modern European design
- Great for porches, bedrooms and offices

**One Year Warranty**

**FEEL THE WARMTH**

**Wasser Wall-Mount Radiator** Retail  
\$ 19.95  
389030 680 BTU per section\*  
\* Section dimensions 26.5" x 3" x 3.5"

Water Flow (US Gpm)	Ratings are in BTU's/hr -Degrees F				
	140°	150°	160°	170°	180°
3	400	450	590	650	710

- Accessories**
- 389033 19" Radiator Wrench \$ 14.89
  - 389031 Radiator Accessory Kit \$ 5.09
  - 89076-12 1/2" NPT Angle Radiator Valve \$ 34.27
  - 389035 Mounting Bracket (Powder Coated) \$ 38.40



# Baseboard Radiators and Fittings



Nu White Slant/Fin Baseboard		Retail
E7010003	2'	\$ 34.09
E7010008	3'	\$ 51.13
E7010027	4'	\$ 68.17
E7010029	5'	\$ 85.21
E7010030	6'	\$ 102.26

Nu White Baseboard Accessories		
E7010033	4" LH End Cap	\$ 15.24
E7010043	4" RH End Cap	\$ 15.24
E7011300	Inside Corner	\$ 13.89
E7011305	2" LH End Cap	\$ 10.40
E7011306	2" RH End Cap	\$ 10.40
E7011310	Splice Plate	\$ 4.65
E7011302	Outside Corner	\$ 25.25

Copper Sweat Baseboard Tees		
89045	1" x 1" x 3/4"	\$ 42.00
VF075050	3/4" x 3/4" x 1/2"	\$ 25.00
VF100050	1" x 1" x 1/2"	\$ 39.00
VF125050	1 1/4" x 1 1/4" x 1/2"	\$ 42.00
VF125075	1 1/4" x 1 1/4" x 3/4"	\$ 42.00

**Specifications:**  
 Model: Fine/Line 30 Baseboard  
 Height: 7-7/8"  
 Length: 2 to 14 feet  
 Depth: 2-11/16"

The Fine/Line 30 super strong enclosure features a fully adjustable damper and extra heavy support brackets with cutouts for return piping. Double bent aluminum fins won't loosen. Long-lasting, self-adjusting, plastic expansion cradles eliminate noisy metal-to-metal contact.

WATER FLOW	PRESSURE DROP	HOT WATER RATINGS (BTU/hr.) F = DEGREES IN FAHRENHEIT								
		140	150	160	170	180	190	200	210	215
1 GPM	47	320	380	450	510	580	640	710	770	810
4 GPM	525	640	400	480	540	610	680	750	810	860



Venturi Tees are designed to divert water flow from a given zone to the by-pass loop. The flow from the zone is partially diverted through the by-pass and then returned back into the zone.

## Brazed Plate Heat Exchangers



### Brazed Plate Heat Exchangers

Brazed Plate Heat Exchangers		Retail	
B3-027-10	1" MPT	BP5 x 12-10	\$ 193.00
B3-027-20	1" MPT	BP5 x 12-20	\$ 284.00
B3-028-30	1 1/4" MPT	BP5 x 12-30	\$ 364.00
B3-028-40	1 1/4" MPT	BP5 x 12-40	\$ 462.00
B3-028-50	1 1/4" MPT	BP5 x 12-50	\$ 592.50
B3-028-60	1 1/4" MPT	BP5 x 12-60	\$ 661.50
B3-028-70	1 1/4" MPT	BP5 x 12-70	\$ 726.00
B3-028-80	1 1/4" MPT	BP5 x 12-80	\$ 857.00
B3-028-90	1 1/4" MPT	BP5 x 12-90	\$ 949.00

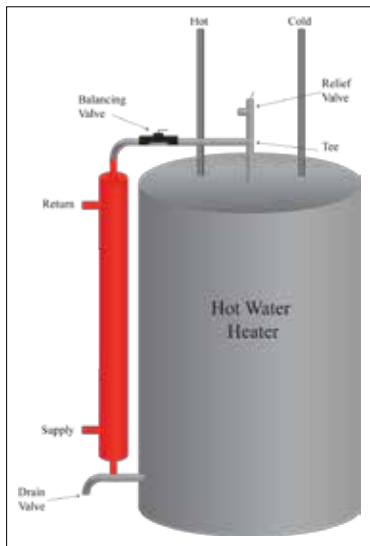
\* custom sizing available

If efficiency and high performance are required, brazed plate exchangers are the heat transfer method of choice.

Call the Sales and Design staff at  
HEAT INNOVATIONS INC. for sizing information.

Made of stainless steel, these brazed plate exchangers will last a lifetime. Ideal for domestic water heating, back-up boiler, and a multitude of other applications.

## Water-Water Heat Exchangers



### Side Arm Water to Water Heat Exchanger

Side Arm Water to Water Heat Exchanger		Retail
89025	48" (1-1/2" OD x 3/4" Through Pipe x 1" Inlet)	\$ 148.00
890250	60" (1-1/2" OD x 3/4" Through Pipe x 1" Inlet)	\$ 163.00

\*\*Pump may be added for more capacity

The **Side Arm** is the common choice for heating domestic water. It consists of a copper tube inside a larger copper tube.

## Pool and Spa Water-Water Heat Exchangers



### Water to Water Spa Heat Exchanger

Water to Water Spa Heat Exchanger		Retail
89023	50,000 BTU	\$ 679.00
890230	75,000 BTU	\$ 817.00
89024	150,000 BTU	\$ 518.00

### Water to Water Pool Heat Exchanger

890240	300,000 BTU	\$ 757.00
890241	400,000 BTU	\$ 1,839.00

Stainless Steel coils inside a stainless steel case make this the ideal heat exchanger for pools or spas.

Call the Sales and Design staff at  
HEAT INNOVATIONS INC. for sizing information.

# Indirect Water Heaters



## Hydrastone Lined Indirect Water Heater

Model	Capacity	Retail Price
S35TPP	35 US Gallon	\$ 1,537.00
S50TPP	50 US Gallon	\$ 1,691.00
S70TPP	70 US Gallon	\$ 2,140.00
S70DTPP	70 US Gallon	\$ 2,662.00



### Features:

- Easy installation & servicing
- Seamless Hydrastone Cement Lining provides long product life
- The industry's lowest stand-by heat loss reduces your operating costs
- Electronic TPI Thermostat provides accurate & reliable temperature control
- Durable plastic jacket will not rust, scratch or dent
- Optional lifetime warranty available

### Tank Specifications

### Performance Specifications

Model	Storage Capacity (Gallons)	Height (Inches)	Diameter (Inches)	Shipping Weight (lbs.)	First Hour Rating (GPH)		Boiler Output (6 GPM @200°F) BTU/HR	Boiler Water Continuous Flow		Standby Heat Loss °F/HR
					115°F	140°F		Flow Rate	Head Loss	
S35TPP	35	39	22 ¼	185	300	230	150,000	6 GPM	7 ft. w.c.	0.72
S50TPP	50	40	26	238	320	250	150,000	6 GPM	7 ft. w.c.	0.56
S70TPP	70	46 ½	28	290	340	270	150,000	6 GPM	7 ft. w.c.	0.45
S70DTPP	70	46 ½	28	290	475	385	235,000	14 GPM	14 ft. w.c.	0.45



## Indirect Water Heater

Model	Capacity	Retail Price
RTV-40	40 US Gallon	\$ 2,239.00
RTV-52	52 US Gallon	\$ 2,464.00
RTV-75	75 US Gallon	\$ 2,745.00
RTV-75D	75D US Gallon	\$ 3,364.00
RTV-119	119 US Gallon	\$ 6,896.00

MODEL	VOLUME		COIL				PERFORMANCE							
	USG	LITRES	NPT CONN.	O.D.	CAPACITY		HEATING SURFACE SQ. FT.	BOILER FLOW US GPM	GROSS BOILER OUTPUT BTU/HR	PRESSURE DROP (FT.W.C.)	@ 180 F SUPPLY		@ 200 F SUPPLY	
					USG	LITRES					1ST HR @ 140 F	RECOVERY @ 90 F RISE	1ST HR @ 140 F	RECOVERY @ 90 F RISE
RTV-40	39.6	149	3/4"	1"	1.17	4.43	7.64	11	135,000	5.3	151	111	182	141
RTV-52	51.3	194	3/4"	1"	1.56	5.91	10.01	11	173,000	8.7	192	141	231	180
RTV-75	74.5	282	3/4"	1"	1.56	5.91	10.01	11	190,000	8.7	216	136	253	173
RTV-75D	74.5	282	3/4"	1"	2.34	8.86	15.28	22	265,000	10.6	295	215	355	275
RTV-119	118.9	450	1"	1 3/8"	4.60	17.40	21.31	15	252,000	3.1	298	178	337	217

# Insulation & Accessories



<u>Reflective Insulation Under Concrete Application</u>			<u>Retail</u>
48125A2V	48" x 125'	Double Bubble Foil/Vinyl	\$ 1.24/Lft
96125A2V	96" x 125'	Double Bubble Foil/Vinyl	\$ 2.48 /Lft
9662.5A2V	96" x 62.5'	Double Bubble Foil/Vinyl	\$ 2.48 /Lft
<u>Floor Joist, Wall Insulation Application (Aluminum both sides)</u>			
1625DBA	16" x 25'	Double Bubble Roll	\$ 0.79 /Lft
48125DBA	48" x 125'	Double Bubble Roll	\$ 2.35 /Lft

\*Call for information on R-value



<u>Imcolock Pipe Insulation</u>		<u>Retail</u>
89032	1 1/8" x 6'	\$ 11.70

\* Other sizes available upon request



<u>Pipe Stapler</u>	<u>Retail</u>
2315001344	\$ 280.00



<u>Styrobar Plus Insulation</u>		
48125T2P	4' x 8' x 1 1/4"	\$ 25.49

\*Other densities of insulation available. Please call Heat Innovations Inc. for more information.



2006	1 1/2" Staples	\$ 21.13
2017	2 1/4" Staples	\$ 22.89

\*300 pack for 1/2" or 5/8" pipe

<u>Terrapro Type 2</u>		
482WPW	4' x 8' x 2"	\$ 62.57

<u>Sentinel Jet Flush</u>		<u>Retail</u>
JF40		\$ 3500.00
JF90		\$ 3986.00



<u>Sheathing Tape</u>		
20502	Tuck Tape	\$ 11.47
TAPE2	2" Poly Tape	\$ 11.83
TAPE2S	2" Grey Duct Tape	\$ 7.35
TAPE3D	3" Blue Duct Tape	\$ 7.50
02150FT	2" Foil Tape	\$ 18.00



## AZEL TECHNOLOGIES INC.



<u>Zone Valve Controller</u>		<u>Retail</u>
SZ-V4	4 Zone	\$ 195.53
SZ-V6	6 Zone	\$ 230.69

The i-Link series Zone Valve Controls simplify the field wiring and yet control up to six zone valves in a multi-zone hydronic heating system.

The contractor-friendly Printed Circuit Board eliminates the problem caused by incorrect wiring and saves hours of installation time. There would be no more "messy" look of conventional zone valve installations.



<u>Switching Relay</u> (Pump controller)		<u>Retail</u>
SP-81	1 Zone	\$ 109.85
SP-82	2 Zone	\$ 183.89
SP-83	3 Zone	\$ 200.50
SP-84	4 Zone	\$ 263.64
SP-85	5 Zone	\$ 294.40
SP-86	6 Zone	\$ 329.55

The i-Link series multi-zone circulator switching relays simplify wiring for hydronic heating (radiant floor heating) systems.

With leading edge features and superior product design, i-Link makes installation quick and easy.

# Thermostats/Controls

## Honeywell



Single Pole Line Voltage Thermostat Retail  
4774550 110 Volt (T410A1021) \$ 19.19

**Features:**

- Economical
- Easy to install; 6" (150 mm) color-coded leads
- Long-lasting Micro Switch™ mechanism
- Ideally suited to new construction applications



Digital Heat Thermostat  
TH1100D1001 \$ 38.90

**Features:**

- Non-programmable
- 24 volt or battery run

Heat/Cool Thermostat  
TH2110D1009 \$ 53.02

**Features:**

- 5-2 Day Programmable
- Precise Comfort Control



Digital Thermostat  
TL8100 \$ 87.68

**Features:**

- 12v, 24v, 120v, & 240v
- 7-Day Programmable



Temperature Controls  
89055 L4006A2015, \$ 110.44

763314 L6006C1034, \$ 146.86  
surface mount

89057 Well (1/2" NPT) \$ 13.00  
\*Compatible with  
L4006A2015 and L4006E1042



Honeywell High Limit  
L4006E1042 \$ 136.87



Honeywell Triple Aquastat  
89056 \$ 265.11

## White Rodgers



Single Stage Heat / Cool Retail  
1E78-151 \$ 49.25

Transformer

89050 75VA Transformer \$ 35.00  
EMT4024 40VA Transformer \$ 24.00



Water Alarm  
1650001 \$ 10.19

## JOHNSON CONTROLS



Hot Water Temp Control (High Limit)  
A19ADC-37C \$ 126.77

Hot Water Temp Control

A419GBF-1C 24 Volt \$ 83.64  
A419ABC-1C 120 Volt \$ 84.34  
TS-W Well (1/2" NPT) \$ 12.30

## Thermometers



**Features:**

- 2 1/2" face
- Separable well
- 1/2" NPT connection
- 30°-250° temperature range

Round Thermometer  
890580 \$ 29.00



# tekmar Controls



## Control Systems



<u>Heat Thermostat</u>		<u>Retail</u>
507	1 stage heat	\$ 101.00
508	1 stage heat	\$ 131.00
509	w/ slab sensor	\$ 184.50
511	w/ slab sensor Programmable	\$ 245.00



<u>Thermostat tN4</u>		
537	Heat	\$ 142.00
541	Heat	\$ 186.00
542	Heat	\$ 233.00
544	1 Stage Heat/Cool/Fan	\$ 319.00
545	2 Stage Heat/Cool/Fan	\$ 398.00

<u>Sensors</u>		
070	Outdoor	\$ 44.00
071	Universal	\$ 34.00
076	Indoor	\$ 53.00
077	Indoor	\$ 82.00
079	Slab	\$ 44.00

<u>Mixing Control</u>		
356		\$ 392.00
360		\$ 643.00



The Mixing Set Point Controls are a micro-processor based control with a floating action output intended to operate an actuating motor for a valve or damper. They can be used for heating applications to maintain a set supply water or air temperature.

<u>Wiring Center</u>		
316		\$ 328.00



The Universal Reset Controls are a micro-processor control designed to maximize the comfort and efficiency provided by a hydronic heating system. The control automatically adjusts the boiler and mixed loop water temperature that are delivered to the heating system by using an outdoor reset.

<u>Universal Reset Control</u>	<u>Retail</u>
374	\$1,346.00



The boiler controls are a micro-processor based control designed to stage and rotate multiple boiler stages. This maximizes the comfort and efficiency of a hydronic heating system.

<u>Boiler Control</u>		
256	1 Stage	\$ 241.00
262	2 Stage	\$ 1,014.00
268	9 Stage	\$ 1,618.00

**Contact us for the full line of tekmar Control Systems**

### HVAC Systems

HVAC system controls maximize indoor comfort while operating the Heating, Ventilation & Air Conditioning components in unison.

### Alternative Energy

Alternative energy sources such as solar panels, geothermal heat pumps & wood boilers require proper control to produce to their full potential

### Snow Melting

tekmar has over 25 years of experience ensuring snow melting systems operate safely & efficiently through better temperature control.

### Multi-Staging

tekmar staging controls improve overall efficiency by operating the number & type of devices required to meet the current loads.

### Zoning

Thermostats & zone controls regulate the air & floor temperatures in each zone by operating valves, pumps, fans & other equipment.

### Setpoint

Setpoint controls are used in a wide range of applications such as pool heating, slab warming & domestic hot water generation.

**From valves to sensors and timers, tekmar accessories expand the possibilities for great HVAC control.**



# Hydronic Heating Water Expansion Tanks



## Zilmet Expansion Tanks

ZFT8R	2.1 Gallon 1/2" NPT w/ union and bracket
ZFT18R	4.8 Gallon 1/2" NPT w/ union and bracket

<u>Retail</u>
\$ 101.42
\$ 164.09



		<u>Retail</u>
ZHT8	2.1 Gallon 1/2" NPT	\$ 44.75
ZHT18	4.8 Gallon 1/2" NPT	\$ 58.17
ZHT24	6.3 Gallon 1/2" NPT	\$ 73.21
ZHT50	13.2 Gallon 3/4" NPT	\$ 152.54
ZHT80	21.1 Gallon 3/4" NPT	\$ 217.13
ZHT150	39.6 Gallon 3/4" NPT	\$ 436.76



**WHERE QUALITY COMES FIRST**

Boiler Net Output (1000's of BTU/Hr)	Finned Tube Baseboard	Convection and Unit	Cast Iron	
	and Radiant	Heaters	Radiators	Baseboard
25	ZHT8	ZHT8	ZHT8	ZHT8
50	ZHT8	ZHT8	ZHT18	ZHT18
75	ZHT18	ZHT18	ZHT18	ZHT24
100	ZHT18	ZHT18	ZHT24	ZHT24
125	ZHT18	ZHT24	ZHT24	ZHT24
150	ZHT18	ZHT24	ZHT50	ZHT50
175	ZHT24	ZHT24	ZHT50F	ZHT50F
200	ZHT24	ZHT24	ZHT50F	ZHT50F
250	ZHT24	ZHT50	ZHT50F	ZHT80
300	ZHT50	ZHT50F	ZHT50F	ZHT80
350	ZHT50F	ZHT50F	ZHT80	ZHT105
400	ZHT50F	ZHT80	ZHT80	ZHT105
500	ZHT80	ZHT105	ZHT105	ZHT150

## Stainless Steel Expansion Tanks

866010	6" x 14" x 24" (high)	<u>Retail</u>
866011	6" x 14" x 16" (high)	\$ 200.00

## Fittings and Sight Tubes

139-6D	3/8" Insert x 1/2" MPT 90° brass elbow (2 required / unit)	\$ 4.00
JFT-86	3/8" I.D. Clear Hose (2' req. for #866010 and 1' req. for #866011)	\$ 0.42



For open systems only. This expansion tank comes in two standard stock sizes but custom sizes may be ordered. This stainless steel expansion tank comes with a lid and standard 1" MPT connection at the bottom. Sight tubes and fittings must be ordered separately.

Note: Optional Low Water Level Cut-off on page 28



# Hydronic System Components



Vertical Air Separator  
 NA551995 3/4" Sweat \$ 208.77  
 NA551996 1" Sweat \$ 203.75



Dirt Separator  
 546206A 1" NPT \$ 160.11  
 546207A 1 1/4" NPT \$ 232.57

Vertical Dirt Separator  
 NA546995 3/4" Sweat \$ 198.29  
 NA546996 1" Sweat \$ 193.60



Magnetic Dirt Separator  
 NA545306 1" NPT Union \$ 213.37



Discal Air Separator  
 551006A 1" NPT \$ 168.10  
 551007A 1 1/4" NPT \$ 234.16

Pressure Bypass  
 60020 3/4" Tee \$ 146.00



Air & Dirt Separator  
 546096A 1" Union Air & Dirt \$ 297.43  
 546016A 1" Male Union Air & Dirt \$ 275.38

Backflow Preventer/Auto Fill  
 573009A 1/2" NPT \$ 148.18



Hydrolink Hydraulic Separator  
 559021A 1" NPT \$ 623.35  
 559022A 1 1/4" NPT \$ 784.49



*Other Caleffi products are available through special order.*



# Hydronic System Components

## Honeywell



<u>Air Scoops</u>		<u>Retail</u>
89074	1" NPT (431)	\$ 25.30
89075	1 1/4" NPT (432)	\$ 25.30
89075-1	1 1/2" NPT (433)	\$ 53.00
89075-2	2" NPT (434)	\$ 74.00

<u>Y Strainer</u>		<u>Retail</u>
E7020402	1", 20 Mesh	\$ 27.49
E7020403	1 1/4", 20 Mesh	\$ 34.51



88510	1/8" NPT Hy-Vent Auto Vent	\$ 11.80
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<u>Glycol Feeder</u>		
GMP-6	6 Gallon Tank (25 Liter)	\$ 627.00
GMP-18	18 Gallon Tank	\$ 776.89



88509	1/8" NPT Manual Vent	\$ 5.45
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<u>Pressure Relief Valve</u>		
E3330311	3/4" MPT x 3/4" FPT *30 psi w/ a 510,000 BTU/HR Max	\$ 23.46



<u>Fast Fill Reducing Valve</u>		
89068		\$ 78.99

Pressure reducing valve for automatic control of hot water boiler make up and other pressure reducing applications.



## Honeywell



<u>2 Way Motorized Zone Valve</u>		<u>Retail</u>
V8043G1000	1/2" SWT	\$ 136.82
V8043G1174	3/4" SWT	\$ 145.72
V8043G1158	1" SWT	\$ 154.50
V8043G1125	1/2" Inv. Flare	\$ 140.54

<u>3 Way Motorized Zone Valve</u>		
V8044A1010	1/2" SWT	\$ 140.86
V8044A1044	3/4" SWT	\$ 155.37
VU54S2024	1" SWT	\$ 72.14
VU844A1003	Actuator for 1"	\$ 70.89

HEAT  
INNOVATIONS INC.

## 3 Way Mixing / Diverting Valves

### Honeywell



<u>Honeywell Mixing Valve Union</u>		<u>Retail</u>
AM101RUS1	3/4", Sweat	\$ 149.53
AM102RUS1	1", Sweat	\$ 159.89
AM101RUT1	3/4", NPT	\$ 143.55
AM102RUT1	1", NPT	\$ 159.89

The AM Series Mixing Valve delivers fail-safe security in a high flow, low head loss valve. With an extended mix temperature range of 85° to 150° F, it provides the ultimate performance across multiple mixing and diverting applications.



<u>Tempering Valve</u>		
70A-5	1/2"	\$ 89.29
70A	3/4"	\$ 147.90



<u>3 Way Mixing/Diverting Valve</u>		<u>Retail</u>
89104	V135A1014 1" SWT	\$ 246.08
89108	V135A1022 1 1/4" NPT	\$ 312.09

For mixing and diverting applications where a remote temperature sensor is required, such as sensing air temperature or surface mount to a pipe, we offer the Honeywell Mixing Control.



<u>Thermostatic Cont w/ 6'8" Remote Sensor (50-122F)</u>		<u>Retail</u>
89106	T100R1004	\$ 155.71

## Low Water Cut-offs/Flow Switch



<u>Watts Low Water Cut-Off</u>		<u>Retail</u>
999900	OEM 170	\$ 267.09
999912	OEM 650 w/Test Button	\$ 367.18



<u>Flow Switch</u>		
E3330017	1"FS10-C	\$ 281.30



**McDonnell & Miller**



<u>64A Low Water Cut-Off</u>		<u>Retail</u>
89060	120 Volt	\$ 754.00



<u>GEMS LS-7 Level Switch</u>		<u>Retail</u>
131100		\$ 41.19

*\*for Homesteader, Coalman, Open Expansion Tanks*

## Water Treatment Products



<u>Boiler Treatment</u>		<u>Retail</u>
89038	1 Gallon	\$ 66.00

*pH modifier and corrosion inhibitor (also available in 45 gallon barrels)*



<u>Storage Solution</u>		<u>Retail</u>
M10965	500 ml	\$ 57.00



<u>pH Tester w/ case</u>		
PH600		\$ 107.00



<u>Propylene Pro-Tek Glycol</u>		<u>Retail</u>
89039	1 Gallon, Non-Toxic	\$ 26.93
	46 Gallon Barrel	\$1,115.00

*The inhibitors in automotive glycol are silicate based for use in aluminum engines, not the mild steel or stainless steel found in outdoor furnaces. The long term solubility of silicates is poor, which is why it is recommended that a vehicle's antifreeze is replaced every few years. In a hydronic system, the silicates will form a nasty gel.*



<u>Buffer Solution</u>		
15229320	500 ml	\$ 30.45

**All warranties are void on boilers, furnaces, pumps and hydronic components if the inappropriate antifreeze is used.**



<u>Anti-Freeze Tester w/ case</u>		<u>Retail</u>
996055		\$ 99.99

## Grain Aeration



Accurate temperature controlled aeration is now possible using the **DESERT AIR** aeration system. This system utilizes a 36" square radiator that can accommodate 6000 cfm. Each system comes equipped with an automatic plenum temperature sensor control and mixing pump and can be hooked up to any boiler system (wood, coal, oil, natural gas, propane, or electric).

DESERT AIR

Retail  
\$ 1,895.00



## Portable Fan-Coils



The **HEATWAVE** comes with a 6000 cfm fan for superior heat distribution and more comfortable heat. Add to that the portability, and heating a construction site becomes quick and easy!

CH4040

Retail  
\$ 2,698.00

RAD SIZE	ROWS	GALLONS PER MINUTE	CUBIC FEET PER MINUTE	ENTERING WATER TEMP	LEAVING WATER TEMP	AIR PRESSURE DROP	WATER PRESSURE DROP	BTU PER HOUR
36 X 36	2	6	6000	140	98.2	0.14	6.08	126,308
36 X 36	2	6	6000	180	113.1	0.14	6.08	200,536

## High Efficiency Fan Coils



### Specifications:

Air Capacity: Approx. 575,000 cu. ft/hr  
 Air Stream: Adjustable and controllable  
 Motor: 1/3 HP 120 Volt; 860 RPM (controllable)  
 Heat Capacity: 18.5 KW 56,000 BTU @ water temperature of 90/70°C  
 Water Resistance: 1.24 PSI  
 Connection Size at Water Side: 3/4" MPT  
 Weight: 57 lbs

SHINOOK

Retail  
\$ 1,385.00

## Ventilation



**LIFEBREATH** offers the Clean Air Furnace to those that want a Heat Recovery Ventilator with an integrated hot water coil for space heating.

LIFEBREATH

LB95MAX  
LB155MAX  
LB200MAX

Retail

\$ 1,537.00  
\$ 1,566.00  
\$ 1,728.00

# CLEARANCE!



Taco offers the Geothermal Zone Valves for high pressure applications (domestic PSI).



Taco 2 Way Zone Valve		Clearance
556G	3/4", Geothermal	\$ 157.56
557G	1", Geothermal	\$ 160.68



Taco 3 Way Sweat Zone Valve w/Bypass		Clearance
890710	1/2"	\$ 144.69
890720	3/4"	\$ 115.32



Lennox	Clearance
ERV3-150	\$ 699.00
ERV3-200	\$ 799.00

Flatplate Heat Exchangers	Clearance
SL34TL22	\$440.00
SL34TL32	\$464.00
SL70TK18	\$463.00
SL70TK28	\$573.00

Taco Cast Pump & Accessories		Clearance
121C	121 In-line Cast Pump	\$640.00
007IFC	007 Cast Pump	\$ 80.00
008VSF	008 Variable Speed	\$327.00
00RMSF1IFC	00R 3 Speed	\$ 71.00
218-2	3/4" FIP Flo Check	\$ 28.00
220-5	1" FIP Flo Check	\$ 33.00
221	1 1/4" FIP Flo Check	\$ 43.00



Grundfos Cast Pumps & Accessories		Clearance
59896300	UP15-100F	\$145.00
59896362	UPS15-58FC 115v	\$ 62.00
91579926	UPS32-160/2 230v Power Head	\$488.00
91579950	UPS40-240/2 230v Power Head	\$791.00
91584409	UPS3-SSF 208/230v Power Head	\$543.00
52722540	UP26-99	\$150.00
00599378	UPS15-58FC Cartridge	\$ 44.00
591210	1 1/4" SWT iso Flange Pair	\$ 34.00
00519603	1 1/4" Threaded Cast Flange Pair	\$ 8.65
00519652	1" Threaded Brass Flange Pair	\$ 26.00
00595926	Single Comfort Valve	\$ 34.00
245-2	1 1/4" SWT iso Flange	\$ 31.00
245-1	1 1/4" Threaded iso Flange	\$ 31.00

Taco Pumps & Accessories		Clearance
890060	007 Zoning Pump	\$125.00
890081	009 Bronze Pump	\$188.00
8901101	0012-F4-1 Cast Pump	\$198.00
890112	0014 Cast Pump	\$175.00
89012	007 Cartridge	\$ 65.00
89014	0014 Cartridge	\$ 72.00
890140	0010 Cartridge	\$ 61.00
ACUF100AT1	1" Accu-Flo Balancing Valve	\$ 54.00
SR503	3 Zone Switching Relay w/ Priority	\$123.00
SR503EXP	3 Zone Switching Relay w/ Priority & 3 Power Ports	\$160.00
SR506EXP	6 Zone Relay w/ Priority & 3 Power Ports	\$209.00
5003-CI	Taco 3/4" Mixing Valve 3 way	\$ 90.00

5050454	50/50 Bar Solder 1LB. 25/box	\$ 2.50
NBMM060	2000 CFM Air Handler	\$300.00



March Pumps		Clearance
809HSBR	809 High Speed Bronze	\$142.00
809BR	809 Bronze	\$150.00
821CI	821CI Pump	\$205.00
830CI	830 CI 115/230v Pump	\$300.00

89016-1	1" IP Cast Flanges Pair	\$ 10.00
89016-11/2	1 1/2" IP Cast Flanges Pair	\$ 10.00
89016-11/4	1 1/4" IP Cast Flanges Pair	\$ 10.00
194-2124	2" IP Cast FLanges Pair	\$ 27.00

E8822239	1 1/4" Aluminum Ring Hanger	\$ 4.59
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\*All Clearance Items may or may not have manufacturers warranty.  
No warranties on clearance item will be handled by Heat Innovations.





**Professional Hydronic Sales and Design Since 1973**

TOLL FREE: 1-888-385-HEAT (4328)

[www.heatinnovations.com](http://www.heatinnovations.com)

