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#### REDEFINING EFFICIENCY

For more than 20 years and with over 250 million fittings installed, SharkBite has been at the forefront of innovating solutions for helping the plumbing trade improve efficiency with enhanced jobsite performance. Being a leader through continuous innovation and providing solutions that address the challenges that plumbing professionals face every day is who we are. Whether you are repairing a water line, installing a water heater, remodeling a home or plumbing a system in a new construction job, SharkBite provides proven solutions that save time, reduce cost, and have the versatility to overcome the most difficult situations.

#### **TOTAL SYSTEM**

The SharkBite system includes a wide range of plumbing fittings, valves, PEX pipe, outlet boxes and other plumbing accessories, making it the only system that is a total end-to-end plumbing solution from meter to fixture. This means compatibility and peace of mind quality that is backed by a single manufacturer.

## www.sharkbite.com

All SharkBite fittings are made of Lead Free DZR brass and exceed ASSE 1061 Section 1V, 4.1 Materials-Dezincification (DZR) - ISO 6509 standards.







#### LIST QTY/ PRODUCT DESCRIPTION PART NUMBER **PRICE** SECTION 1: THE SHARKBITE CONNECTION SYSTEM 1-A: CORE FITTINGS **COUPLINGS** 1/4" (3/8" OD) X 1/4" (3/8" OD) U004LF 6 \$11.40 3/8" (1/2" OD) X 3/8" (1/2" OD) U006LF 6 \$11.30 1/2" X 1/2" U008LF 12 \$11.30 3/4" X 3/4" U016LF 12 \$13.50 1" X 1" U020LF \$25.00 6 1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately) UXL0135 1 \$34.50 1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately) UXL0141 1 \$46.50 2" X 2" (For PEX applications, stiffeners are sold separately) UXL0154 1 \$62.00 **REDUCING COUPLINGS** 1/4" (3/8" OD) X 1/2" U050LF 6 \$14.10 3/8" (1/2" OD) X 1/2" U009LF 6 \$11.30 3/4" X 1/2" U058LF 12 \$13.50 1" X 3/4" U060LF 6 \$25.00 1-1/4" X 1" (For PEX applications, stiffeners are sold separately) UXL013528 1 \$34.50 1-1/2" X 1" (For PEX applications, stiffeners are sold separately) UXL014128 1 \$46.50 1 \$46.50 UXL014135 2" X 1-1/2" (For PEX applications, stiffeners are sold separately) UXL015441 1 \$62.00 SLIP COUPLINGS (SLIP END ONLY SUITABLE FOR COPPER AND CPVC) 1/2" X 1/2" U3008LF 3 \$19.00 3/4" X 3/4" U3016LF 3 \$23.00





#### **HOW TO INSTALL SHARKBITE PUSH-TO-CONNECT PRODUCTS**

1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)

1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)

2" X 2" (For PEX applications, stiffeners are sold separately)



**FEMALE CONNECTORS** 1/4" (3/8" OD) X 1/2" FNPT Reducing

1/2" X 1/2" FNPT Straight

1/2" X 3/4" FNPT Reducing

3/4" X 1/2" FNPT Bullnose

3/4" X 3/4" FNPT Straight

1" X 1" FNPT Straight

3/8" (1/2" OD) X 1/2" FNPT Reducing

**CUT:** 

1" X 1"

Cut the pipe square removing rough edges and debris. Mark the pipe to the correct insertion depth.



**PUSH:** Push pipe and fitting together up to the depth mark.



U3020LF

UXL0635

UXL0641

UXL0654

U066LF

U070LF

U072LF

U068LF

U092LF

U088LF

U094LF

1

1

1

1

6

6

12

6

6

6

\$42.50

\$60.00

\$80.00

\$108.00

\$11.40

\$9.10

\$9.10

\$10.90

\$10.90

\$10.90

\$19.50

DONE.



Using the disconnect clip, fittings can be easily changed, removed and reused.





















		PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE						
### ### ### ### ### ### ### ### ### ##	æ	1-1/4" X 1-1/4" FNPT (For PEX applications, stiffeners are sold separately)	UXL113532F	1	\$29.00						
### ### ### ### ### ### ### ### ### ##	LARGE	1-1/2" X 1-1/2" FNPT (For PEX applications, stiffeners are sold separately)	UXL114140F	1	\$42.00						
	<u> </u>	2" X 2" FNPT (For PEX applications, stiffeners are sold separately)	UXL115450F	1	\$56.00						
1181F   6   S9.00     127 X 1/2" MNPT Straight	MALE CONNECTORS										
1/2" X 1/2" MNPT Straight   U120LF   12   S9.00     1/2" X 3/4" MNPT Reducing   U116LF   6   S10.90     3/4" X 1/2" MNPT Straight   U138LF   12   S10.90     3/4" X 1/4" MNPT Straight   U138LF   12   S10.90     3/4" X 1" MNPT Straight   U139LF   6   S21.00     3/4" X 1" MNPT Straight   U139LF   6   S21.00     1/2" X 3/4" MNPT Straight   U140LF   6   S21.00     1/2" X 1-1/4" MNPT Straight   U140LF   6   S21.00     1/2" X 1-1/4" MNPT Straight   U140LF   6   S21.00     1/2" X 1-1/4" MNPT (For PEX applications, stiffeners are sold separately)   UXL113532M   1   S31.00     1/2" X 1-1/2" MNPT (For PEX applications, stiffeners are sold separately)   UXL11440M   1   S42.00     2" X 1" MNPT (For PEX applications, stiffeners are sold separately)   UXL11440M   1   S42.00     3/4" X 3/4" MNPT   U3130LF   6   S15.50     3/4" X 3/4" MNPT   U3130LF   6   S15.50     1" X 1" MNPT   U3140LF   6   S16.00     1" X 1"	1/4"	/4" X 1/2" MNPT Reducing U110LF									
	3/8"	(1/2" OD) X 1/2" MNPT Reducing	U118LF	6	\$9.10						
3/4" X 1/2" MNPT Bullnose	1/2"	X 1/2" MNPT Straight	U120LF	12	\$9.10						
3/4" X 3/4" MNPT Straight   U134LF   12   S10.90	1/2"	X 3/4" MNPT Reducing	U116LF	6	\$10.90						
3/4" X  " MNPT Straight   U1391F   6   S21.00    " X 3/4" MNPT Reducing   U1421F   6   S21.00    " X 3/4" MNPT Reducing   U1421F   6   S21.00    " X 1" MNPT Straight   U1401F   6   S21.00    " X 1" MNPT (For PEX applications, siffeners are sold separately)   UX1113532M   1   S31.00	3/4"	X 1/2" MNPT Bullnose	U138LF	12	\$10.90						
"X 1" MNPT Reducing	3/4"	X 3/4" MNPT Straight	U134LF	12	\$10.90						
T. X.   MNPT Straight   U140LF   6   S21.00	3/4"	X 1" MNPT Straight	U139LF	6	\$21.00						
1-1/4" X 1-1/4" MNPT (For PEX applications, stiffeners are sold separately)	1" X 3	3/4" MNPT Reducing	U142LF	6	\$21.00						
1-1/2" X 1-1/2" MNPT (For PEX applications, stiffeners are sold separately)	1" X 1	" MNPT Straight	U140LF	6	\$21.00						
2" X 2" MNPT (For PEX applications, stifteners are sold separately)   UXL113450M   1   S56.00     SSLIP MALE CONNECTORS     7" x 1 / 2" MNPT	65	1-1/4" X 1-1/4" MNPT (For PEX applications, stiffeners are sold separately)	UXL113532M	1	\$31.00						
2" X 2" MNPT (For PEX applications, stifteners are sold separately)   UXL113450M   1   S56.00     SSLIP MALE CONNECTORS     7" x 1 / 2" MNPT	LARGE	1-1/2" X 1-1/2" MNPT (For PEX applications, stiffeners are sold separately)	UXL114140M	1	\$42.00						
	_ =	2" X 2" MNPT (For PEX applications, stiffeners are sold separately)	UXL115450M	1	\$56.00						
3/4" x 3/4" MNPT	SLIP	MALE CONNECTORS									
" x 1" MNPT	1/2"	x 1/2" MNPT	U3120LF	6	\$15.50						
### CTS X 3/4" FNPT Threaded (CTS end inserts into any 3/4" SB fitting)  #### CTS X 3/4" FNPT Threaded (CTS end inserts into any 1" SB fitting)  ###################################	3/4"	x 3/4" MNPT	U3134LF	6	\$18.50						
3/4" CTS X 3/4" FNPT Threaded (CTS end inserts into any 3/4" SB fitting)   U766LF   6   S16.00	1" x 1	" MNPT	U3140LF	6	\$36.00						
"CTS X 1" FNPT Threaded (CTS end inserts into any 1" SB fitting)	THR	EADED ADAPTERS									
1-1/2" x 1-1/2"   1-1/2" x 1	3/4"	CTS X 3/4" FNPT Threaded (CTS end inserts into any 3/4" SB fitting)	U766LF	6	\$16.00						
1/4" (3/8" OD) X 1/4" (3/8" OD)	1" CTS	S X 1" FNPT Threaded (CTS end inserts into any 1" SB fitting)	U772LF	6	\$16.00						
1-1/2" X 1-1/2"   U248LF   12   S12.30     3/4" X 3/4"   U256LF   6   S15.50     1" X 1"   U260LF   6   S28.50     1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)   UXL0235   1   S39.00     1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)   UXL0241   1   S56.00     2" X 2" (For PEX applications, stiffeners are sold separately)   UXL0254   1   S73.00     1-1/4" X 1-1/4"   UXL0935   1   S39.00     1-1/4" X 1-1/4"   UXL0935   1   S39.00     1-1/2" X 1-1/2"   UXL0941   1   S56.00     1-1/2" X 1-1/2"   UXL0941   1   S56.00     1-1/2" X 1-1/2"   UXL0954   1   S73.00     1-1/2" X 1-1/2"   UXL0954   1   S73.00     1-1/2" X 1-1/2"   UXL0954   1   S73.00     1-1/2" X 1-1/4"   UXL0955   1   S39.00     1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)   UXL0535   1   S39.00     1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)   UXL0535   1   S39.00     1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)   UXL0535   1   S39.00     1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)   UXL0541   1   S56.00     1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)   UXL0541   1   S56.00	90°	ELBOWS									
1/2" X 1/2"   U248LF   12   S12.30     3/4" X 3/4"   U256LF   6   S15.50     1" X 1"   U260LF   6   S28.50     1" X 1"   U260LF   6   S28.50     1-1/2" X 1-1/4" (For PEX applications, stiffeners are sold separately)   UXL0235   1   S39.00     1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)   UXL0241   1   S56.00     2" X 2" (For PEX applications, stiffeners are sold separately)   UXL0254   1   S73.00     3/4" X 1-1/4"   UXL0935   1   S39.00     1-1/4" X 1-1/4"   UXL0935   1   S39.00     1-1/2" X 1-1/2"   UXL0941   1   S56.00     1-1/2" X 1-1/2"   UXL0954   1   S73.00     45° ELBOWS   UXL0954   1   S73.00     45° ELBOWS   UXL0954   1   S73.00     47" X 1/2"   U648LF   6   S15.50     3/4" X 3/4"   U656LF   6   S19.50     1" X 1"   U660LF   6   S35.50     1" X 1"   U460LF   6   S35.50     1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)   UXL0535   1   S39.00     1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)   UXL0535   1   S39.00     1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)   UXL0535   1   S39.00     1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)   UXL0541   1   S56.00	1/4"	(3/8" OD) X 1/4" (3/8" OD)	U244LF	6	\$9.60						
1-1/4" x 1-1/4" (For PEX applications, stiffeners are sold separately)   UXL0235   1	3/8"	(1/2" OD) X 3/8" (1/2" OD)	U246LF	6	\$12.30						
1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)	1/2"	X 1/2"	U248LF	12	\$12.30						
1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)	3/4"	X 3/4"	U256LF	6	\$15.50						
1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)   UXL0241   1   \$56.00	1" X 1	и	U260LF	6	\$28.50						
2" X 2" (For PEX applications, stiffeners are sold separately)	~	1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)	UXL0235	1	\$39.00						
2" X 2" (For PEX applications, stiffeners are sold separately)	ARGE	1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)	UXL0241	1	\$56.00						
1-1/4" x 1-1/4"   UXL0935   1   S39.00     1-1/2" x 1-1/2"   UXL0941   1   S56.00     2" x 2"   UXL0954   1   S73.00     45° ELBOWS	1 2	2" X 2" (For PEX applications, stiffeners are sold separately)	UXL0254	1	\$73.00						
1-1/2" x 1-1/2"   UXL0941   1   \$56.00	90°	STREET ELBOWS									
2" x 2"	~	1-1/4" x 1-1/4"	UXL0935	1	\$39.00						
2" x 2"	ARGE	1-1/2" x 1-1/2"	UXL0941	1	\$56.00						
1/2" x 1/2"   U648LF   6   \$15.50	- 3	2" x 2"	UXL0954	1	\$73.00						
3/4" x 3/4"  U656LF  S19.50  1" x 1"  U660LF  S35.50  1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)  UXL0535  UXL0535  UXL0541  S56.00	45°	ELBOWS									
1" x 1" U660LF 6 \$35.50  1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately) UXL0535 1 \$39.00  1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately) UXL0541 1 \$56.00	1/2"	x 1/2"	U648LF	6	\$15.50						
1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)  1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)  UXL0535  UXL0541  S56.00	3/4"	x 3/4"	U656LF	6	\$19.50						
1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)  UXL0541  1 \$56.00	1" x 1	п	U660LF	6	\$35.50						
1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)  UXL0541  1 \$56.00  2" X 2" (For PEX applications, stiffeners are sold separately)  UXL0554  1 \$73.00	~	1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)	UXL0535	1	\$39.00						
2" X 2" (For PEX applications, stiffeners are sold separately) IIXLO554 1 \$73.00	ARGE	1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)	UXL0541	1	\$56.00						
- 11 (101 1 21 applications) sittle and sold soparately (101 1 21 applications)	- 2	2" X 2" (For PEX applications, stiffeners are sold separately)	UXL0554	1	\$73.00						

	PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
45°	STREET ELBOWS			
1/2"	x 1/2" CTS Tail Adapter (CTS end inserts into any 1/2" SB fitting)	U615LF	6	\$11.90
3/4"	x 3/4" CTS Tail Adapter (CTS end inserts into any 3/4" SB fitting)	U620LF	6	\$14.50
~	1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)	UXL0735	1	\$39.00
LARGE DIAMETER	1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)	UXL0741	1	\$56.00
_ =	2" X 2" (For PEX applications, stiffeners are sold separately)	UXL0754	1	\$73.00
FEM	IALE ELBOWS			
1/2"	X 1/2" FNPT	U308LF	6	\$12.40
3/4"	X 3/4" FNPT	U314LF	3	\$19.50
MAI	LE ELBOWS			
1/2"	X 1/2" MNPT	U280LF	6	\$12.40
3/4"	X 3/4" MNPT	U286LF	6	\$15.50
RED	OUCING ELBOWS			
1/2"	X 3/8" (1/2" OD)	U272LF	12	\$12.40
3/4"	X 1/2"	U274LF	6	\$15.50
1" X 3	3/4"	U278LF	3	\$27.00
DRO	DP-EAR ELBOWS			
3/8"	(1/2" OD) X 1/2" FNPT	U332LF	6	\$12.40
1/2"	X 1/2"	U249LF	12	\$15.50
1/2"	X 1/2" FNPT	U334LF	6	\$12.40
3/4"	X 3/4" FNPT	U340LF	6	\$17.00
HY-I	EAR EAR ELBOWS			
1/2"	X 1/2" Hy-Ear	U335LF	6	\$15.00
DISI	HWASHER ELBOWS			
1/4"	(3/8" OD) X 3/8" MNPT Dishwasher	U276LF	6	\$15.50
1/4"	(3/8" OD) X 3/4" Garden Hose Nut	U2276LF	6	\$19.50
1/2"	X 3/8" MNPT Dishwasher	U281LF	6	\$15.50
TEES	S			
1/4"	(3/8" OD) X 1/4" (3/8" OD) X 1/4" (3/8" OD)	U358LF	6	\$17.50
3/8"	(1/2" OD) X 3/8" (1/2" OD) X 3/8" (1/2" OD)	U360LF	6	\$17.00
1/2"	X 1/2" X 1/2"	U362LF	12	\$17.00
3/4"	X 3/4" X 3/4"	U370LF	6	\$20.50
1" X 1	1" X 1"	U374LF	3	\$38.00
æ	1-1/4" X 1-1/4" X 1-1/4"	UXL0835	1	\$53.00
LARGE DIAMETER	1-1/2" x 1-1/2" X 1-1/2"	UXL0841	1	\$71.00
_	2" X 2" X 2"	UXL0854	1	\$95.00
RED	UCING TEES			
3/8"	(1/2" OD) X 3/8" (1/2" OD) X 1/2"	U364LF	6	\$17.00
1/2"	X 1/2" X 1/4" (3/8" OD)	U359LF	6	\$17.00
1/2"	X 1/2" X 3/8" (1/2" OD)	U363LF	6	\$17.00
3/4"	X 1/2" X 1/2"	U454LF	6	\$20.50
3/4"	X 3/4" X 1/2"	U412LF	6	\$20.50
3/4"	X 1/2" X 3/4"	U444LF	6	\$20.50
1" X 1	1" X 3/4"	U416LF	3	\$38.00



ı		PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
		1-1/4" x 1/2" x 1-1/4"	UXL08351635	1	\$53.00
		1-1/4" x 3/4" x 1/2"	UXL08352216	1	\$53.00
		1-1/4" x 3/4" x 3/4"	UXL08352222	1	\$53.00
		1-1/4" x 3/4" x 1"	UXL08352228	1	\$53.00
		1-1/4" x 3/4" x 1-1/4"	UXL08352235	1	\$53.00
		1-1/4" x 1" x 1/2"	UXL08352816	1	\$53.00
		1-1/4" x 1" x 3/4"	UXL08352822	1	\$53.00
		1-1/4" x 1" x 1"	UXL08352828	1	\$53.00
		1-1/4" X 1-1/4" X 1/2"	UXL08353516	1	\$53.00
		1-1/4" X 1-1/4" X 3/4"	UXL08353522	1	\$53.00
		1-1/4" X 1-1/4" X 1"	UXL08353528	1	\$53.00
		1-1/2" X 1-1/2" X 3/4"	UXL08414122	1	\$71.00
		1-1/2" x 1" x 3/4"	UXL08412822	1	\$71.00
		1-1/2" x 1" x 1"	UXL08412828	1	\$71.00
		1-1/2" x 1" x 1-1/2"	UXL08412841	1	\$71.00
35	DIAMETER	1-1/2" x 1-1/4" x 3/4"	UXL08413522	1	\$71.00
3	DIAN	1-1/2" x 1-1/4" x 1"	UXL08413528	1	\$71.00
		1-1/2" x 1-1/4" x 1-1/4"	UXL08413535	1	\$71.00
		1-1/2" x 1-1/2" x 1/2"	UXL08414116	1	\$71.00
		1-1/2" X 1-1/2" X 1"	UXL08414128	1	\$71.00
		1-1/2" X 1-1/2" X 1-1/4"	UXL08414135	1	\$71.00
		2" x 1-1/4" x 1-1/4"	UXL08543535	1	\$95.00
		2" x 1-1/2" x 3/4"	UXL08544122	1	\$95.00
		2" x 1-1/2" x 1"	UXL08544128	1	\$95.00
		2" x 1-1/2" x 1-1/4"	UXL08544135	1	\$95.00
		2" x 1-1/2" x 1-1/2"	UXL08544141	1	\$95.00
		2" x 1-1/2" x 2"	UXL08544154	1	\$95.00
		2" x 2" x 1/2"	UXL08545416	1	\$95.00
		2" x 2" x 3/4"	UXL08545422	1	\$95.00
		2" X 2" X 1"	UXL08545428	1	\$95.00
		2" X 2" X 1-1/4"	UXL08545435	1	\$95.00
		2" X 2" X 1-1/2"	UXL08545441	1	\$95.00
F	EM	ALE CENTER TEES			
3,	/4" :	c 3/4" x 3/4" (Utilizes a U766LF thread adapter)	U462LF	3	\$20.50
1'	" x 1	" x 1" (Utilizes a U772LF thread adapter)	U464LF	3	\$38.00
		1-1/4" x 1-1/4" x 1/2" FNPT Branch Tee	UXL10353515	1	\$53.00
		1-1/4" x 1-1/4" x 3/4" FNPT Branch Tee	UXL10353520	1	\$53.00
		1-1/4" x 1-1/4" x 1" FNPT Branch Tee	UXL10353525	1	\$53.00
	EE	1-1/2" x 1-1/2" x 1/2" FNPT Branch Tee	UXL10414115	1	\$71.00
	LARGE DIAMETER	1-1/2" x 1-1/2" x 3/4" FNPT Branch Tee	UXL10414120	1	\$71.00
1	LARG	1-1/2" x 1-1/2" x 1" FNPT Branch Tee	UXL10414125	1	\$71.00
		2" x 2" x 1/2" FNPT Branch Tee	UXL10545415	1	\$95.00
		2" x 2" x 3/4" FNPT Branch Tee	UXL10545420	1	\$95.00
		2" x 2" x 1" FNPT Branch Tee	UXL10545425	1	\$95.00







	PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE						
FEM	FEMALE CENTER SLIP TEES (SLIP END ONLY SUITABLE FOR COPPER AND CPVC)									
1/2"	X 1/2" X 1/2" FNPT	U3482LF	3	\$28.50						
3/4"	X 3/4" X 3/4" FNPT	U3486LF	3	\$33.50						
SLIP	SLIP TEES (SLIP END ONLY SUITABLE FOR COPPER AND CPVC)									
1/2"	X 1/2" X 1/2"	U3362LF	3	\$21.50						
3/4"	X 3/4" X 3/4"	U3370LF	3	\$26.50						
~	1-1/4" X 1-1/4" (For PEX applications, stiffeners are sold separately)	UXL0335	1	\$68.00						
LARGE	1-1/2" X 1-1/2" (For PEX applications, stiffeners are sold separately)	UXL0341	1	\$93.00						
5	2" X 2" (For PEX applications, stiffeners are sold separately)	UXL0354	1	\$124.00						
SER	VICE SLIP TEE ADAPTER (SLIP END ONLY SUITABLE FOR COPPER AN	ID CPVC)								
1/2"	X 1/2" X 1/2" CTS Tail Adapter Service Line Tee (CTS end inserts into any 1/2" SB fitting)	U4482LF	6	\$35.50						
END	CAPS									
3/8"	(1/2" OD)	U512LF	6	\$10.30						
1/2"		U514LF	12	\$10.30						
3/4"		U518LF	6	\$12.10						
1"		U520LF	6	\$22.50						
#	1-1/4" (For PEX applications, stiffeners are sold separately)	UXL0435	1	\$31.00						
LARGE	1-1/2" (For PEX applications, stiffeners are sold separately)	UXL0441	1	\$42.00						
፭	2" (For PEX applications, stiffeners are sold separately)	UXL0454	1	\$56.00						
FITT	'ING REDUCERS (USE TO CONNECT TO SMALLER PIPE SIZES)									
3/8"	(1/2" OD) X 1/2" CTS (CTS end inserts into any 1/2" SB fitting)	U719LF	6	\$13.40						
3/8"	(1/2" OD) X 3/4" CTS (CTS end inserts into any 3/4" SB fitting)	U721LF	6	\$16.00						
1/2"	X 1" CTS (CTS end inserts into any 1" SB fitting)	U722LF	6	\$27.00						
3/4"	X 1" CTS (CTS end inserts into any 1" SB fitting)	U724LF	6	\$27.00						
	1-1/4" x 1/2"	UXL123516	1	\$29.00						
	1-1/4" x 3/4"	UXL123522	1	\$29.00						
	1-1/4" x 1"	UXL123528	1	\$29.00						
	1-1/2" x 1/2"	UXL124116	1	\$42.00						
쯢	1-1/2" x 3/4"	UXL124122	1	\$42.00						
IAMEI	1-1/2" x 1"	UXL124128	1	\$42.00						
LARGE DIAMETER	1-1/2" x 1-1/4"	UXL124135	1	\$42.00						
3	2" x 1/2"	UXL125416	1	\$56.00						
	2" x 3/4"	UXL125422	1	\$56.00						
	2" x 1"	UXL125428	1	\$56.00						
	2" x 1-1/4"	UXL125435	1	\$56.00						
	2" x 1-1/2"	UXL125441	1	\$56.00						
	TER SOFTENER FITTING									
3/4"	X 1" FIP	U086LF	12	\$22.50						
	1-B: RADIANT FITTINGS									
	DIANT FITTINGS (NON-POTABLE WATER APPLICATION)									
	X 5/8" Coupling	U012	6	\$11.90						
	X 5/8" Reducing Coupling	U057	6	\$12.90						
_	X 3/4" MNPT Reducing Adapter	U126	6	\$10.30						
5/8"	X 5/8" Elbow	U252	6	\$12.90						



PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
3/4" X 5/8" Elbow	U273	6	\$14.50
5/8" X 5/8" X 5/8" Tee	U366	6	\$18.00
5/8" End Stop	U516	6	\$10.90



















POLYBUTYLENE TRANSITION COUPLINGS			
1/2" PB X 1/2" CTS	U4008LF	6	\$15.00
3/4" PB X 3/4" CTS	U4016LF	6	\$18.00
PVC TRANSITION COUPLINGS			
1/2" CTS X 1/2" PVC	UIP4008	6	\$18.50
3/4" CTS X 3/4" PVC	UIP4016	6	\$22.50
1" CTS X 1" PVC	UIP4020	3	\$37.50
PVC TRANSITION SLIP TEES			
1/2" CTS X 1/2" CTS X 1/2" PVC	UIP363	3	\$24.50
1/2" PVC X 1/2" PVC X 1/2" CTS	UIP364	3	\$28.00
3/4" CTS X 3/4" CTS X 3/4" PVC	UIP371	3	\$29.00
3/4" PVC X 3/4" PVC X 3/4" CTS	UIP372	3	\$34.50
1" CTS X 1" CTS X 1" PVC	UIP375	3	\$50.00
1" PVC X 1" PVC X 1" CTS	UIP376	3	\$54.00
PVC SLIP COUPLINGS			
1/2" PVC X 1/2" PVC	UIP3008	3	\$32.50
3/4" PVC X 3/4" PVC	UIP3016	3	\$39.00
1" PVC X 1" PVC	UIP3020	2	\$53.00
PVC MALE CONNECTORS			
1/2" PVC X 1/2" MNPT	UIP120	6	\$17.50
3/4" PVC X 3/4" MNPT	UIP134	6	\$21.50
1" PVC X 1" MNPT	UIP140	3	\$37.50
PVC CAPS			
1/2"	UIP514	6	\$12.30
3/4"	UIP518	6	\$15.50
1"	UIP520	6	\$24.00
PVC DEPTH GAUGE AND DISCONNECT CLIPS			
1/2"	UIP710	12	\$2.50
3/4"	UIP712	12	\$2.50
1"	UIP714	6	\$2.50

The Drop-Ear Elbows   1/4" x   1/2" FMPT	PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE	
"X 1/2" FINFT   UF128   1   \$29.50   FIRE THREADED FEMALE ADAPTERS   UF128   1   \$27.50   FIRE ANGLED ADAPTERS   UF1278A   1   \$41.00   FIRE FEMALE ELBOWS   UF128   1   \$27.50   3/4" X 1/2" FINFT Left   UF128   1   \$27.50   3/4" X 1/2" FINFT Left   UF128   1   \$27.50   3/4" X 1/2" FINFT Left   UF168   1   \$29.50   1" X 1/2" FINFT Right   UF168   UF168   1   \$29.50   1" X 1/2" FINFT Right   UF168   UF168   1   \$29.50   1" X 1/2" FINFT Right   UF168   UF168   UF168   UF168   UF168   UF168   1" X 1/2" FINFT RIGHT   UF168   UF16	FIRE DROP-EAR ELBOWS				***
FIRE ANGLE ADAPTERS   UF1285   1   \$77.50	3/4" x 1/2" FNPT	UF128U	1	\$27.50	A STATE OF THE PARTY OF THE PAR
	1" X 1/2" FNPT	UF168U	1	\$29.50	The same
### ANGLED ADAPTERS 3/4" X 1/2" FIRIT 16#  1	FIRE THREADED FEMALE ADAPTERS				A Company
3/4* X 3/4* RP 12*  3/4*	3/4" X 1/2" FNPT	UF128S	1	\$27.50	0
Fire Female Elbows   3/4" X   7" FIRT Right	FIRE ANGLED ADAPTERS				
3/4" X 1/2" FMPT left UF168L 1 527.50 3/4" X 1/2" FMPT Right UF168L 1 529.50 1" X 1/2" FMPT Right UF168L 1 529.50 1" X 1/2" FMPT Right UF168R 1 529.50    Comparison of the	3/4" X 3/4" X 1/2" FNPT	UF12128A	1	\$41.00	0 63
3/4" X 1/2" FIPT Right	FIRE FEMALE ELBOWS				
"X 1/2" FIPT Light	3/4" X 1/2" FNPT Left	UF128L	1	\$27.50	
T'X 1/2" FMPT Right	3/4" X 1/2" FNPT Right	UF128R	1	\$27.50	Arrival Property
T-E: FLEX HOSES	1" X 1/2" FNPT Left	UF168L	1	\$29.50	
1/2" X 3/4" FIP, 12"   U3068FLEX19LF   12   S28.00     1/2" X 3/4" FIP, 15"   U3068FLEX19LF   12   S29.50     1/2" X 3/4" FIP, 16"   U3068FLEX19LF   12   S39.50     1/2" X 3/4" FIP, 16"   U3068FLEX19LF   12   S39.50     1/2" X 3/4" FIP, 12"   U3068FLEX19LF   12   S39.50     1/2" X 3/4" FIP, 12"   U3068FLEX19LF   12   S29.50     3/4" X 3/4" FIP, 15"   U3068FLEX19LF   12   S29.50     3/4" X 3/4" FIP, 15"   U3068FLEX19LF   12   S29.50     3/4" X 3/4" FIP, 16"   U3068FLEX19LF   12   S29.50     3/4" X 3/4" FIP, 16"   U3068FLEX19LF   12   S39.50     3/4" X 3/4" FIP, 12"   S30.50     3/4" X 3/4" FIP, 24"   S30.50     3/4" X 3/4" FIP, 24"   S30.50     3/4" X 3/4" FIP, 24"   S30.50     1" x 1" FIP, 24"   S30.50     1" x 1" FIP, 24"   S30.50     1" x 3/4" FIP, 18"   U3068FLEX19LF   12   S30.50     1" x 3/4" FIP, 18"   U3068FLEX19LF   12   S56.00     3/4" X 3/4" FIP, 18"   U3068FLEX19LF   12   S66.00     3/4" X 3/4" FIP, 18"   S30.60FLEX19LF   12   S66.00     3/4" X 3/4" FIP, 18"   S30.60FLEX	1" X 1/2" FNPT Right	UF168R	1	\$29.50	
1/2" X 3/4" FIP, 12"   U3068FLEX19LF   12   S28.00     1/2" X 3/4" FIP, 15"   U3068FLEX19LF   12   S29.50     1/2" X 3/4" FIP, 16"   U3068FLEX19LF   12   S39.50     1/2" X 3/4" FIP, 16"   U3068FLEX19LF   12   S39.50     1/2" X 3/4" FIP, 12"   U3068FLEX19LF   12   S39.50     1/2" X 3/4" FIP, 12"   U3068FLEX19LF   12   S29.50     3/4" X 3/4" FIP, 15"   U3068FLEX19LF   12   S29.50     3/4" X 3/4" FIP, 15"   U3068FLEX19LF   12   S29.50     3/4" X 3/4" FIP, 16"   U3068FLEX19LF   12   S29.50     3/4" X 3/4" FIP, 16"   U3068FLEX19LF   12   S39.50     3/4" X 3/4" FIP, 12"   S30.50     3/4" X 3/4" FIP, 24"   S30.50     3/4" X 3/4" FIP, 24"   S30.50     3/4" X 3/4" FIP, 24"   S30.50     1" x 1" FIP, 24"   S30.50     1" x 1" FIP, 24"   S30.50     1" x 3/4" FIP, 18"   U3068FLEX19LF   12   S30.50     1" x 3/4" FIP, 18"   U3068FLEX19LF   12   S56.00     3/4" X 3/4" FIP, 18"   U3068FLEX19LF   12   S66.00     3/4" X 3/4" FIP, 18"   S30.60FLEX19LF   12   S66.00     3/4" X 3/4" FIP, 18"   S30.60FLEX					
1/2" X 3/4" FIP, 15"   U3068FLEXIZIF   12   S28.00     1/2" X 3/4" FIP, 16"   U3068FLEXISIF   12   S30.50     1/2" X 3/4" FIP, 24"   U3068FLEXISIF   12   S30.50     1/2" X 3/4" FIP, 24"   U3068FLEXISIF   12   S30.00     3/4" X 3/4" FIP, 15"   U3068FLEXISIF   12   S30.00     3/4" X 3/4" FIP, 15"   U3068FLEXISIF   12   S28.00     3/4" X 3/4" FIP, 15"   U3068FLEXISIF   12   S30.50     3/4" X 3/4" FIP, 16"   U3068FLEXISIF   12   S30.50     3/4" X 3/4" FIP, 18"   U3068FLEXISIF   12   S30.50     3/4" X 3/4" FIP, 18"   U3068FLEXISIF   12   S30.50     3/4" X 3/4" FIP, 18"   S306FLEXISIF   12   S30.50     3/4" X 3/4" FIP, 18"   S306FLEXISIF   12   S30.50     3/4" X 3/4" FIP, 24"   S306FLEXISIF   12   S30.50     3/4" X 3/4" FIP, 24"   S306FLEXISIF   12   S30.50     1" X 1" FIP, 24"   S306FLEXISIF   12   S30.00     1" X 3/4" FIP, 18"   U3068FLEXIBIF   12   S60.00     3/4" X 3/4" FIP, 18"   U3068FLEXIBIF   12   S60.00     3/4" X 3/4" FIP, 18"   U3068FLEXIBIF   12   S60.00     3/4" X 3/4" FIP, 18"   S3066FLEXIBIF   12   S60.00     3/4" X 3/4" FIP, 18"   S306FLEXIBIF   12   S60.00     3/4" X 3/4" FIP, 18"   S30.50   S75.00     3/4" X 3/4" FIP, 18"   U3006FLEXIBIF   12   S30.50	1-E: FLEX HOSES				
1/2" X 3/4" FIP, 18"  1/2" X 3/4" FIP, 18"  1/2" X 3/4" FIP, 24"  1/3" X 3/4" FIP, 12"  1/4" X 3/4" FIP, 12"  1/4" X 3/4" FIP, 12"  1/4" X 3/4" FIP, 12"  1/5" X 3/4" FIP, 12"  1/5" X 3/4" FIP, 12"  1/5" X 3/4" FIP, 12"  1/6" X 3/4" FIP, 18"  1/7" X 3/4" FIP, 24"  1/7" X 3/4" FIP, 18"	STAINLESS STEEL BRAIDED WATER HEATER CONNECTORS				
1/2" X 3/4" FIP, 18"   U3068FLEX18LF   12   S30.50     1/2" X 3/4" FIP, 24"   U3068FLEX12LF   12   S33.00     3/4" X 3/4" FIP, 15"   U3088FLEX12LF   12   S28.00     3/4" X 3/4" FIP, 15"   U3088FLEX13LF   12   S30.50     3/4" X 3/4" FIP, 18"   U3088FLEX18LF   12   S30.50     3/4" X 3/4" FIP, 24"   U3088FLEX14LF   12   S30.50     3/4" X 3/4" FIP, 18"   S53088FLEX12LF   12   S28.00     3/4" X 3/4" FIP, 18"   S53088FLEX12LF   12   S30.50     3/4" X 3/4" FIP, 18"   S53088FLEX1LF   12   S30.50     3/4" X 3/4" FIP, 18"   S53088FLEX1LF   12   S30.50     3/4" X 3/4" FIP, 24"   S53098FLEX1LF   12   S33.00     1" X 3/4" FIP, 24"   S53098FLEX1LF   12   S33.00     1" X 3/4" FIP, 24"   S53098FLEX1LF   12   S33.00     1" X 3/4" FIP, 18"   S53098FLEX1LF   12   S33.00     1" X 3/4" FIP, 18"   S53098FLEX1LF   12   S56.00     3/4" X 3/4" FIP, 18"   U3088FLEX1BW   12   S66.00     3/4" X 3/4" FIP, 18"   S53068FLEX1BW   12   S66.00     3/4" X 3/4" FIP,	1/2" X 3/4" FIP, 12"	U3068FLEX12LF	12	\$28.00	
1/2" X 3/4" FIP, 24"   U3068FLEX24LF   12	1/2" X 3/4" FIP, 15"	U3068FLEX15LF	12	\$29.50	
3/4" X 3/4" FIP, 12"  3/4" X 3/4" FIP, 15"  3/4" X 3/4" FIP, 18"  3/4" X 3/4" FIP, 24"  3/4" X 3/4" FIP, 18"  3/4" X 3/4" FIP, 3/4" SB X 18" HORE ORDER ORDE	1/2" X 3/4" FIP, 18"	U3068FLEX18LF	12	\$30.50	
3/4" X 3/4" FIP, 15"  3/4" X 3/4" FIP, 18"  3/4" X 3/4" FIP, 24"  3/4" X 3/4" FIP, 18"	1/2" X 3/4" FIP, 24"	U3068FLEX24LF	12	\$33.00	
3/4" X 3/4" FIP, 18"  3/4" X 3/4" FIP, 24"  U3088FLEX24LF  12 S33.00  STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS  3/4" X 3/4" FIP, 12"  SS3088FLEX12LF  12 S28.00  3/4" X 3/4" FIP, 18"  SS3088FLEX18LF  12 S30.50  3/4" X 3/4" FIP, 18"  SS3088FLEX18LF  12 S30.50  3/4" X 3/4" FIP, 24"  SS3088FLEX18LF  12 S33.00  1" x 1" FIP, 24"  SS3086FLEX24LF  12 S33.00  1" x 1" FIP, 24"  SS3094FLEX24LF  12 S33.00  1" x 3/4" FIP, 24"  SS3094FLEX24LF  12 S33.00  1" x 3/4" FIP, 24"  SS3094FLEX18VLF  12 S33.00  STAINLESS STEEL BRAIDED WATER HEATER CONNECTORS WITH BALL VALVES  1/2" X 3/4" FIP, 18"  U3088FLEX18BVLF  12 S66.00  3/4" X 3/4" FIP, 18"  SS3088FLEX18BV  12 S66.00  3 S75.00  STAINLESS STEEL BRAIDED WATER COUPLING HOSE  1/2" X 1/2", 18"  U3008FLEX18LF  12 S30.50  STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR	3/4" X 3/4" FIP, 12"	U3088FLEX12LF	12	\$28.00	•
3/4" X 3/4" FIP, 24"  \$\$3.00\$  \$\$\frac{3}{4" X 3/4" FIP, 12"} \tag{5}\tag{5}\tag{5}\tag{6}\tag{6}\tag{7}\tag{7}\tag{7}\tag{7}\tag{9}\ta	3/4" X 3/4" FIP, 15"	U3088FLEX15LF	12	\$29.50	
STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS   3/4" X 3/4" FIP, 12"   \$530.88FLEX12LF   12   \$28.00   3/4" X 3/4" FIP, 18"   \$530.88FLEX18LF   12   \$30.50   3/4" X 3/4" FIP, 24"   \$530.88FLEX4LF   12   \$33.00   3/4" X 1" FIP, 24"   \$530.86FLEX24LF   6   \$533.00   1" x 1" FIP, 24"   \$530.86FLEX24LF   6   \$533.00   1" x 3/4" FIP, 24"   \$530.86FLEX24LF   6   \$533.00   1" x 3/4" FIP, 24"   \$530.86FLEX24LF   12   \$533.00   1" x 3/4" FIP, 24"   \$530.86FLEX24LF   12   \$530.00   1" x 3/4" FIP, 24"   \$530.86FLEX18LF   12   \$56.00   3/4" X 3/4" FIP, 18"   \$530.88FLEX18BVLF   12   \$56.00   3/4" X 3/4" FIP, 18"   \$530.88FLEX18BVLF   12   \$56.00   3/4" X 3/4" FIP, 18"   \$530.88FLEX18BV   12   \$56.00   \$74 INLESS STEEL CORRUGATED WATER HEATER CONNECTORS WITH BALL VALVES   \$550.88FLEX18BV   12   \$56.00   \$74 INLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT   \$550.88FLEX18BV   12   \$56.00   \$74 INLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT   \$550.88FLEX18BV   12   \$56.00   \$75.	3/4" X 3/4" FIP, 18"	U3088FLEX18LF	12	\$30.50	
3/4" X 3/4" FIP, 12"  3/4" X 3/4" FIP, 18"  3/4" X 3/4" FIP, 24"  5S3088FLEX12LF  12 S33.00  3/4" X 1, FIP, 24"  5S3088FLEX24LF  12 S33.00  3/4" X 1, FIP, 24"  5S3088FLEX24LF  6 S33.00  1" x 1" FIP, 24"  5S3094FLEX24LF  6 S33.00  1" x 3/4" FIP, 24"  5S3096FLEX24LF  12 S33.00  STAINLESS STEEL BRAIDED WATER HEATER CONNECTORS WITH BALL VALVES  1/2" X 3/4" FIP, 18"  103088FLEX18BVLF  12 S56.00  3/4" X 3/4" FIP, 18"  5S3088FLEX18BVLF  12 S56.00  3/4" X 3/4" FIP, 18"  5S3088FLEX18BVLF  12 S56.00  3/4" X 3/4" FIP, 18"  5S3088FLEX18BVLF  12 S56.00  5TAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS WITH BALL VALVES  1/2" X 3/4" FIP, 18"  5S3088FLEX18BV  12 S56.00  5TAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT  Kit contains one 3/4" FIP x 3/4" SB ball valve x 18" hose, one 3/4" FIP x 3/4" SB ball valve x 18" hose, and one 3/4" disconnect dip  STAINLESS STEEL BRAIDED WATER COUPLING HOSE  1/2" X 1/2", 18"  10308FLEX18LF  12 S30.50  5TAINLESS STEEL BRAIDED WATER CONNECTORS  U3008FLEX18LF  12 S30.50  5TAINLESS STEEL BRAIDED WATER CONNECTORS	3/4" X 3/4" FIP, 24"	U3088FLEX24LF	12	\$33.00	
3/4" X 3/4" FIP, 18"  3/4" X 3/4" FIP, 24"  5S3088FLEX24LF  12 S33.00  3/4" X 1" FIP, 24"  5S3086FLEX24LF  6 S33.00  1" x 1" FIP, 24"  5S3096FLEX24LF  6 S33.00  1" x 1" FIP, 24"  5S3096FLEX24LF  12 S33.00  STAINLESS STEEL BRAIDED WATER HEATER CONNECTORS WITH BALL VALVES  1/2" X 3/4" FIP, 18"  13088FLEX18BVLF  12 S56.00  3/4" X 3/4" FIP, 18"  5S3088FLEX18BVLF  12 S56.00  STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS WITH BALL VALVES  1/2" X 3/4" FIP, 18"  5S3088FLEX18BV  12 S56.00  3/4" X 3/4" FIP, 18"  5S3088FLEX18BV  12 S64.00  STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT  Kit contains one 3/4" FIP x 3/4" SB x 18" hose, one 3/4" FIP x 3/4" SB ball valve x 18" hose, and one 3/4" disconnect dip  STAINLESS STEEL BRAIDED WATER COUPLING HOSE  1/2" X 1/2", 18"  1/2" X 1/2", 18"  1/3008FLEX18LF  1/2 S30.50  STAINLESS STEEL BRAIDED WATER COUPLING HOSE  1/2" X 1/2", 18"  1/3008FLEX18LF  1/2 S30.50  STAINLESS STEEL BRAIDED WATER CONNECTOR	STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS				
3/4" X 3/4" FIP, 24"  3/4" X 1" FIP, 24"  5/53086FLEX24LF  6/533.00  1" x 1" FIP, 24"  5/53096FLEX24LF  6/533.00  1" x 3/4" FIP, 24"  5/53096FLEX24LF  12/53.00  5/53096FLEX18BVLF  12/56.00  3/4" X 3/4" FIP, 18"  5/53096FLEX18BVLF  12/56.00  5/53096FLEX18BVLF  12/56.00  5/53096FLEX18BVLF  12/56.00  5/53096FLEX18BV  12/56.00  5/53096FLEX18BV  12/56.00  5/53096FLEX18BV  12/56.00  5/53096FLEX18BV  12/56.00  5/53096FLEX18BV  12/56.00  5/64.00  5	3/4" X 3/4" FIP, 12"	SS3088FLEX12LF	12	\$28.00	
3/4" x 1" FIP, 24"  \$\$33.00  1" x 1" FIP, 24"  \$\$53094FLEX24LF  \$\$53094FLEX24LF  \$\$53.00  \$\$\$\$33.00  \$	3/4" X 3/4" FIP, 18"	SS3088FLEX18LF	12	\$30.50	C-merce and
1" x 1" FIP, 24"  \$\$33.00  \$\$33.00  \$\$\$33.00  \$\$\$\$\$\$\$\$\$\$	3/4" X 3/4" FIP, 24"	SS3088FLEX24LF	12	\$33.00	4
1" x 3/4" FIP, 24"  SS3096FLEX24LF  12 S33.00  STAINLESS STEEL BRAIDED WATER HEATER CONNECTORS WITH BALL VALVES  1/2" X 3/4" FIP, 18"  U3088FLEX18BVLF  12 S56.00  3/4" X 3/4" FIP, 18"  U3088FLEX18BVLF  12 S56.00  STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS WITH BALL VALVES  1/2" X 3/4" FIP, 18"  SS306BFLEX18BV  12 S56.00  3/4" X 3/4" FIP, 18"  SS308BFLEX18BV  12 S64.00  STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT  Kit contains one 3/4" FIP x 3/4" SB x 18" hose, one 3/4" FIP x 3/4" SB ball valve x 18" hose, and one 3/4" disconnect clip  STAINLESS STEEL BRAIDED WATER COUPLING HOSE  1/2" X 1/2", 18"  U3008FLEX18LF  12 S30.50  STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTORS  STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTORS	3/4" x 1" FIP, 24"	SS3086FLEX24LF	6	\$33.00	
1/2" X 3/4" FIP, 18"   U3068FLEX18BVLF   12   S56.00     3/4" X 3/4" FIP, 18"   U3088FLEX18BVLF   12   S64.00     STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS WITH BALL VALVES     1/2" X 3/4" FIP, 18"   SS3068FLEX18BV   12   S56.00     3/4" X 3/4" FIP, 18"   SS3088FLEX18BV   12   S64.00     STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT     Kit contains one 3/4" FIP X 3/4" SB x 18" hose, one 3/4" FIP x 3/4" SB ball valve x 18" hose, and one 3/4" disconnect clip     STAINLESS STEEL BRAIDED WATER COUPLING HOSE     1/2" X 1/2", 18"   U3008FLEX18LF   12   S30.50     3/4" X 3/4", 18"   U3016FLEX18LF   12   S30.50     STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR     STAINLESS STEEL BRAIDED WATER SOFTENER SOFTENER CONNECTOR     STAINLESS STEEL BRAIDED WATER SOFTENER SOFTENER SOFTENER SOFTENER SOFTENER S	1" x 1" FIP, 24"	SS3094FLEX24LF	6	\$33.00	
1/2" X 3/4" FIP, 18"       U3068FLEX18BVLF       12       \$56.00         3/4" X 3/4" FIP, 18"       U3088FLEX18BVLF       12       \$64.00         STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS WITH BALL VALVES         1/2" X 3/4" FIP, 18"       \$53068FLEX18BV       12       \$56.00         3/4" X 3/4" FIP, 18"       \$53088FLEX18BV       12       \$64.00         STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT         Kit contains one 3/4" FIP x 3/4" SB x 18" hose, one 3/4" FIP x 3/4" SB ball valve x 18" hose, and one 3/4" disconnect dip         STAINLESS STEEL BRAIDED WATER COUPLING HOSE         1/2" X 1/2", 18"       U3008FLEX18LF       12       \$30.50         3/4" X 3/4", 18"       U3016FLEX18LF       12       \$30.50         STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR	1" x 3/4" FIP, 24"	SS3096FLEX24LF	12	\$33.00	
3/4" X 3/4" FIP, 18"  Stainless Steel Corrugated Water Heater Connectors With Ball Valves  1/2" X 3/4" FIP, 18"  SS3068FLEX18BV 12 \$56.00  3/4" X 3/4" FIP, 18"  SS3088FLEX18BV 12 \$64.00  STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT  Kit contains one 3/4" FIP x 3/4" SB x 18" hose, one 3/4" FIP x 3/4" SB ball valve x 18" hose, and one 3/4" disconnect dip  STAINLESS STEEL BRAIDED WATER COUPLING HOSE  1/2" X 1/2", 18"  U3008FLEX18LF 12 \$30.50  3/4" X 3/4", 18"  U3016FLEX18LF 12 \$30.50  STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR	STAINLESS STEEL BRAIDED WATER HEATER CONNECTORS WITH BALL V	ALVES			
STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS WITH BALL VALVES         1/2" X 3/4" FIP, 18"       \$\$3068FLEX18BV       12       \$\$6.00         3/4" X 3/4" FIP, 18"       \$\$53088FLEX18BV       12       \$64.00         STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT         Kit contains one 3/4" FIP x 3/4" SB x 18" hose, one 3/4" FIP x 3/4" SB ball valve x 18" hose, and one 3/4" disconnect clip       3       \$\$75.00         STAINLESS STEEL BRAIDED WATER COUPLING HOSE         1/2" X 1/2", 18"       \$\$30.50         3/4" X 3/4", 18"       \$\$30.50         STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR	1/2" X 3/4" FIP, 18"	U3068FLEX18BVLF	12	\$56.00	
STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS WITH BALL VALVES         1/2" X 3/4" FIP, 18"       \$\$3068FLEX18BV       12       \$\$6.00         3/4" X 3/4" FIP, 18"       \$\$53088FLEX18BV       12       \$64.00         STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT         Kit contains one 3/4" FIP x 3/4" SB x 18" hose, one 3/4" FIP x 3/4" SB ball valve x 18" hose, and one 3/4" disconnect clip       3       \$\$75.00         STAINLESS STEEL BRAIDED WATER COUPLING HOSE         1/2" X 1/2", 18"       \$\$30.50         3/4" X 3/4", 18"       \$\$30.50         STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR	3/4" X 3/4" FIP, 18"	U3088FLEX18BVLF	12	\$64.00	•
3/4" X 3/4" FIP, 18"  SS3088FLEX18BV  12 \$64.00  STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT  Kit contains one 3/4" FIP x 3/4" SB x 18" hose, one 3/4" FIP x 3/4" SB ball valve x 18" hose, and one 3/4" disconnect dip  STAINLESS STEEL BRAIDED WATER COUPLING HOSE  1/2" X 1/2", 18"  U3008FLEX18LF  12 \$30.50  STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR	STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS WITH BA	LL VALVES			
STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT  Kit contains one 3/4" FIP x 3/4" SB x 18" hose, one 3/4" FIP x 3/4" SB ball valve x 18" hose, and one 3/4" disconnect clip  STAINLESS STEEL BRAIDED WATER COUPLING HOSE  1/2" X 1/2", 18"  U3008FLEX18LF  12 \$30.50  STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR	1/2" X 3/4" FIP, 18"	SS3068FLEX18BV	12	\$56.00	
Kit contains one 3/4" FIP x 3/4" SB x 18" hose, one 3/4" FIP x 3/4" SB ball valve x 18" hose, and one 3/4" disconnect dip       3       \$75.00         STAINLESS STEEL BRAIDED WATER COUPLING HOSE         1/2" X 1/2", 18"       U3008FLEX18LF       12       \$30.50         3/4" X 3/4", 18"       U3016FLEX18LF       12       \$30.50         STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR	3/4" X 3/4" FIP, 18"	SS3088FLEX18BV	12	\$64.00	•
### and one 3/4" disconnect dip	STAINLESS STEEL CORRUGATED WATER HEATER CONNECTORS KIT				-
1/2" X 1/2", 18"       U3008FLEX18LF       12       \$30.50         3/4" X 3/4", 18"       U3016FLEX18LF       12       \$30.50         STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR	Kit contains one $3/4$ " FIP x $3/4$ " SB x 18" hose, one $3/4$ " FIP x $3/4$ " SB ball valve x 18" hose, and one $3/4$ " disconnect clip	24680	3	\$75.00	
3/4" X 3/4", 18"  U3016FLEX18LF 12 \$30.50  STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR	STAINLESS STEEL BRAIDED WATER COUPLING HOSE				
STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR	1/2" X 1/2", 18"	U3008FLEX18LF	12	\$30.50	
	3/4" X 3/4", 18"	U3016FLEX18LF	12	\$30.50	•
3/4" X 1" FIP, 24" U3086FLEX24LF 6 \$33.00	STAINLESS STEEL BRAIDED WATER SOFTENER CONNECTOR				0
	3/4" X 1" FIP, 24"	U3086FLEX24LF	6	\$33.00	_



<sup>\*</sup>Click Seal® is a registered trademark of Fluidmaster, Inc.

PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
1-G: ADDITIONAL PROD	OUCTS		
MANIFOLDS WITH PUSH-TO-CONNECT BRANCHES			
Manifold Bracket Set (for 1"-1.5" diameter manifolds)	25484Z	3	\$35.50
3/4" x 1/2" Outlet 3-Port Manifold - Open	25552LF	3	\$52.00
3/4" x 1/2" Outlet 3-Port Manifold - Closed	25553LF	3	\$52.00
1/4" x 1/2" Outlet 4-Port Manifold - Open	25554LF	3	\$65.00
3/4" x 1/2" Outlet 4-Port Manifold - Closed	25555LF	3	\$65.00
RADIANT HEATING MANIFOLDS (1" FNPT X 1/2" SHARKBITE PEX LOOPS)			
3 Loop	24930	1	\$445.00
ł Loop	24931	1	\$500.00
5 Loop	24932	1	\$540.00
5 Loop	24933	1	\$570.00
7 Loop	24934	1	\$690.00
В Loop	24935	1	\$770.00
9 Loop	24936	1	\$840.00
10 Loop	24937	1	\$890.00
11 Loop	24938	1	\$950.00
12 Loop	24939	1	\$1,030.00
3 Loop	24940	1	\$1,100.00
SHARKBITE RADIANT MANIFOLD ACTUATORS (4-WIRE, WITH END SWITC	:H)		
harkBite Radiant Manifold Actuator	24963	1	\$76.00
WATER HAMMER ARRESTORS (PROVIDES MAINTENANCE-FREE, CONTINUOUS P Positioned vertically or horizontally and the sharkbite connectors allow thi PIPE.)	PROTECTION AGAINST WATER HAN E ARRESTOR TO BE INSTALLED IN	MER. CAN SECONDS,	BE EVEN ON WET
1/2" Residential	22630LF	1	\$57.00
1/2" Commercial	22631LF	1	\$57.00
3/4" Residential	22632LF	1	\$69.00
1" Commercial	22633LF	1	\$142.00
STUB OUT ELBOWS			
1/2" SB X 1/2" Copper Tube 8" Length	U351LFA	6	\$30.00
PRESSURE GAUGES			
1/2" SB Tee with Pressure Gauge	24436	1	\$47.50
3/4" SB Tee with Pressure Gauge	24438	1	\$52.00
3/4" SB Pressure Gauge in Retail Packaging	24438A	1	\$52.00
" SB Tee with Pressure Gauge	24440	1	\$78.00
1/2" CTS Pressure Gauge (inserts into any 1/2" SB fitting)	24442	1	\$29.00
3/4" CTS Pressure Gauge (inserts into any 3/4" SB fitting)	24444	1	\$29.00
TEMPERATURE GAUGES			
1/2" SB Tee with Temperature Gauge	24437	1	\$85.00
· •		1	\$89.00
3/4" SB Tee with Temperature Gauge	24439		
· •	24439	1	\$116.00
I" SB Tee with Temperature Gauge	24441	1	\$116.00 \$54.00
1" SB Tee with Temperature Gauge 1/2" CTS Temperature Gauge (inserts into any 1/2" SB fitting)	24441 24443	1	\$54.00
1" SB Tee with Temperature Gauge 1/2" CTS Temperature Gauge (inserts into any 1/2" SB fitting) 3/4" CTS Temperature Gauge (inserts into any 3/4" SB fitting)	24441	1	
3/4" SB Tee with Temperature Gauge  1" SB Tee with Temperature Gauge  1/2" CTS Temperature Gauge (inserts into any 1/2" SB fitting)  3/4" CTS Temperature Gauge (inserts into any 3/4" SB fitting)  PUSH-TO-CONNECT HOME RUN MANIFOLDS  12 Port with Brass Valves	24441 24443	1	\$54.00



LIST

PRICE

\$24.00

\$24.00

\$320.00

\$78.00

\$56.00

\$56.00

\$32.50

\$32.50

\$56.00

\$61.00

\$64.00

\$36.00

\$50.00

\$34.50

\$62.00

\$52.00

\$94.00

\$4.60

\$5.20

\$16.00

\$16.00

\$25.50

\$36.00



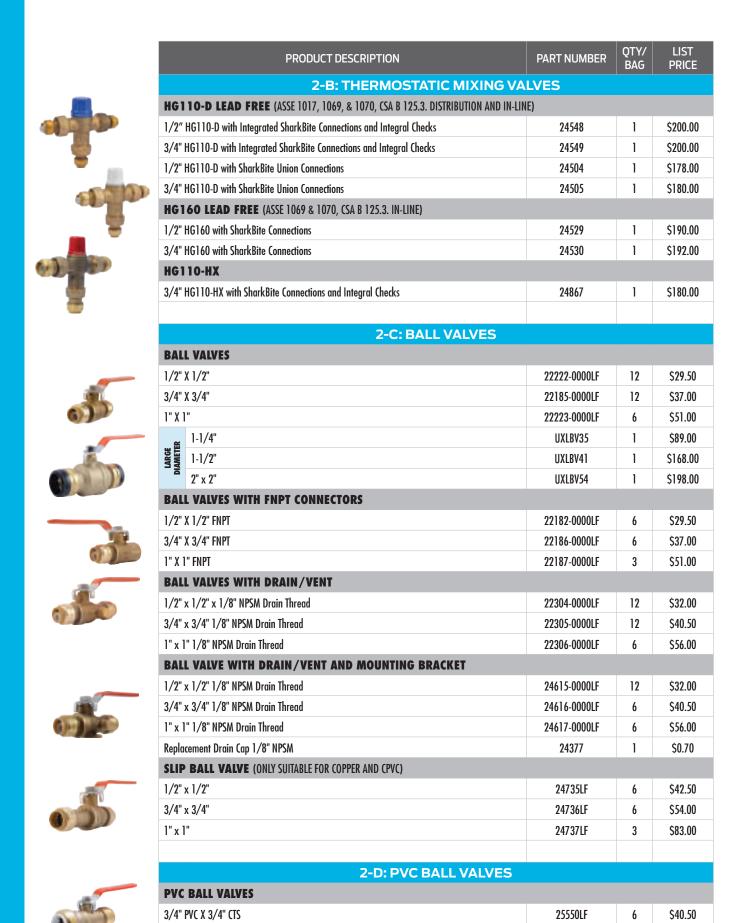
	PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE	
DIS	CONNECT CLIPS				
1/4"		U706	12	\$2.50	
3/8"		U708	24	\$2.50	
1/2"		U710	24	\$2.50	
5/8"		U3712	24	\$2.50	
3/4"		U712	24	\$2.50	
1"		U714	12	\$2.50	
DIS	CONNECT TONGS				
1/2"		U711	1	\$12.90	
3/4"		U713	1	\$12.90	
]"		U715	1	\$12.90	
DE-	MOUNT CLIPS				
æ	1-1/4"	UXLDC35	1	\$8.40	
LARGE	1-1/2"	UXLDC41	1	\$12.50	
_ 5	2"	UXLDC54	1	\$16.00	1 . 4 . 4 .
LAR	GE DIAMETER PEX STIFFENERS				
æ	1-1/4"	SBTL35	1	\$3.90	
LARGE	1-1/2"	SBTL41	1	\$5.70	
_ 5	2"	SBTL54	1	\$7.40	
WR	AP FOR FITTING BURIAL				
10′ x	2" X 0.02" Silicone Wrap	25406	1	\$14.00	



# **SECTION 2: SHARKBITE VALVES**

# 2-A: PRESSURE REGULATING VALVES

EB45 LEAD FREE SHARKBITE CONNECTIONS (ALL EB45 VALVES FACTORY SET AT 45 PSI UNLESS SPECIFIED)							
1/2" EB45-DSB Direct SharkBite	23807-0045	1	\$150.00				
1/2" EB45-SDSB Slip Feature Direct SharkBite	24383-0045	1	\$182.00				
1/2" EB45-DUSB Double Union SharkBite	23893-0045	1	\$182.00				
3/4" EB45-DSB Direct SharkBite	23808-0045	1	\$154.00				
3/4" EB45-SDSB Slip Feature Direct SharkBite	24384-0045	1	\$188.00				
3/4" EB45-DUSB Double Union SharkBite	23894-0045	1	\$188.00				
3/4" EB45 Double Union SharkBite (60 psi setting)	23896-0060	1	\$205.00				
3/4" EB45-DUSB Double Union SharkBite with Gauge	24449-0045	1	\$205.00				
1" EB45-DSB Direct SharkBite	22675-0045	1	\$205.00				
1" EB45-DUSB Double Union SharkBite	23358-0045	1	\$245.00				
1" EB45-DUSB Double Union SharkBite (60 psi setting)	23945-0060	1	\$270.00				
EB25 LEAD FREE SHARKBITE CONNECTIONS							
3/4" EB25-DUSB Double Union SharkBite	23955-0045	1	\$225.00				
1" EB25-DUSB Double Union SharkBite	23956-0045	1	\$295.00				
A-89 BOILER FEED VALVES							
1/2" A-89 Direct SharkBite	25521Z	1	\$84.00				



25551LF

\$43.00

6

1" PVC X 3/4" CTS

PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE	
2-E: CHECK VAL	VES			
CHECK VALVES				
1/2" X 1/2"	U2008-0000LF	6	\$26.50	College
3/4" X 3/4"	U2016-0000LF	6	\$31.00	
1" X 1"	U2020-0000LF	3	\$65.00	
DUAL CHECK VALVES (ASSE 1024 & CSA B64.6)				
3/4" BF1, Dual Check, SharkBite Inlet & Outlet	BF13434SB	1	\$59.00	
1" BF1, Dual Check, SharkBite Inlet & Outlet	BF10101SB	1	\$69.00	
1" X 3/4" BF5, Dual Check, Meter Swivel Nut Inlet, SharkBite Outlet	BF5M0134SB	1	\$65.00	
1-1/4" X 1" BF5, Dual Check, Meter Swivel Nut Inlet, SharkBite Outlet	BF5M1401SB	1	\$74.00	
2-F: TEMPERATURE & PRESSU	RE RELIEF VALVES			
TEMPERATURE & PRESSURE RELIEF VALVES				
3/4" NCLX-5LX with SharkBite Outlet Connection	24609-0150	1	\$40.00	
2-G: GENERAL SUPPL	Y VALVES			/
GATE VALVE WITH DRAIN				1
1/2" x 1/2"	24634LF	12	\$23.00	<u>.</u>
3/4" x 3/4"	24635LF	12	\$25.50	C-1
HOSE BIBBS				
1/2" x 3/4" MHT 90 Deg Hose Bibb — Quarter Turn	24620LF	6	\$21.50	
3/4" x 3/4" MHT 90 Deg Hose Bibb — Quarter-Turn	24621LF	6	\$24.50	13
1/2" x 3/4"MHT 90 Deg Hose Bibb — Multi-Turn	24626LF	6	\$15.50	4
3/4" x 3/4" MHT 90 Deg Hose Bibb - Multi-Turn	24627LF	6	\$17.00	
1/2" x 3/4" MHT No-Kink 45 Deg Hose Bibb — Quarter Turn	24630LF	6	\$22.50	
3/4" x 3/4" MHT No-Kink 45 Deg Hose Bibb — Quarter-Turn	24631LF	6	\$24.50	
1/2" x 3/4" MHT No-Kink 45 Deg Hose Bibb — Multi-Turn	24632LF	6	\$19.50	
3/4" x 3/4" MHT No-Kink 45 Deg Hose Bibb - Multi-Turn	24633LF	6	\$21.50	
GARDEN VALVES				
1/2" x 3/4" MHT	24622LF	6	\$21.50	
3/4" x 3/4" MHT	24623LF	6	\$23.00	
ANTI-SIPHON FROST-FREE SILLCOCK				4
1/2" x 3/4" MHT 8"	24628LF	4	\$59.00	
1/2" x 3/4" MHT 10"	24629LF	4	\$62.00	
1/2" x 3/4" MHT 12"	24636LF	4	\$68.00	
1/2" x 3/4" MHT 15"	24637LF	4	\$78.00	
1 /OH O / AH ANDT 10H	0440015		005.00	

24638LF

\$95.00

1/2" x 3/4" MHT 18"

MIN TH

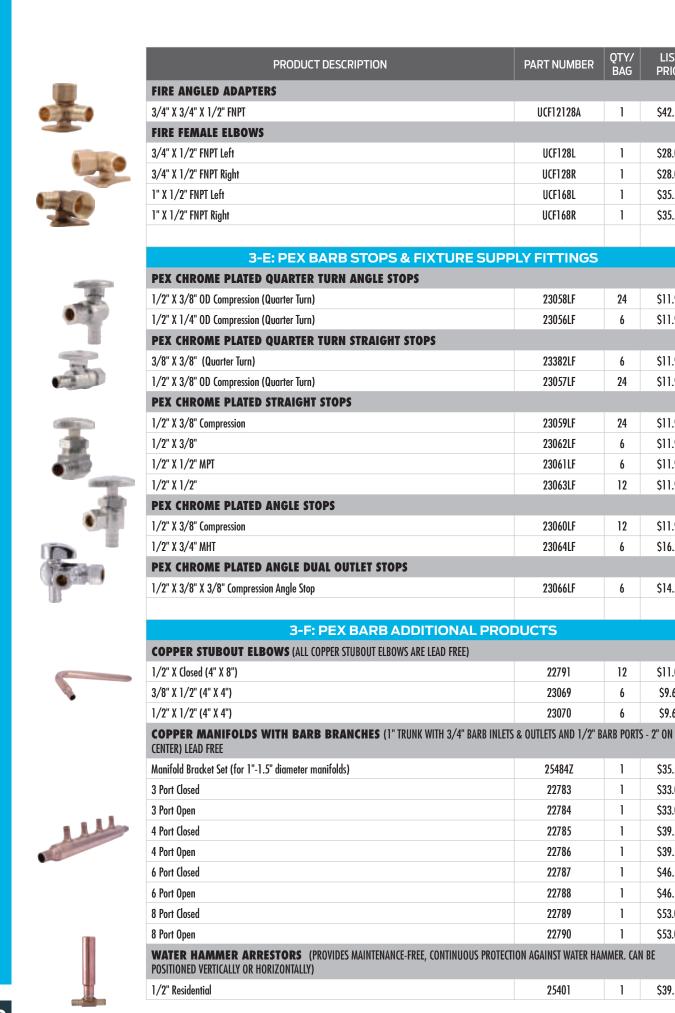
	PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
	SECTION 3: SHARKB	ITE PEX BARB FITTINGS		
	3-A: PEX BAR	B CORE FITTINGS		
cou	JPLINGS			
3/8"	x 3/8"	UC006LF	10	\$2.00
1/2"	x 1/2"	UC008LF	25	\$2.00
5/8"	x 5/8"	UC012LF	10	\$2.80
3/4"	x 3/4"	UC016LF	25	\$2.80
1" x 1	]"	UCO20LF	10	\$5.00
~	1-1/4"	UC0135	20	\$12.80
LARGE DIAMETER	1-1/2"	UC0141	20	\$21.50
- 2	2" x 2"	UC0154	15	\$34.50
RED	UCING COUPLINGS			
3/8"	X 1/2"	UC009LF	10	\$2.00
1/2"	X 3/4"	UC058LF	25	\$2.80
3/4"	X 5/8"	UC057LF	10	\$2.80
3/4"	X 1"	UCO60LF	25	\$5.00
	1-1/4" x 3/4"	UC013522	20	\$12.80
	1-1/4" x 1"	UC013528	20	\$12.80
I ER	1-1/2" x 3/4"	UC014122	15	\$21.50
LARGE DIAMETER	1-1/2" x 1"	UC014128	20	\$21.50
	1-1/2" x 1-1/4"	UC014135	20	\$21.50
	2" x 1-1/2"	UC015441	20	\$34.50
THR	READED FEMALE ADAPTERS			
1/2"	X 3/4" FNPT	UC068LF	25	\$5.50
1/2"	X 1/2" FNPT	UC072LF	25	\$4.00
3/4"	X 3/4" FNPT	UC088LF	25	\$5.50
1" X 1	1" FNPT	UC094LF	10	\$9.90
THR	READED MALE ADAPTERS			
3/8"	X 1/2" MNPT	UC118LF	10	\$3.50
1/2"	X 1/2" MNPT	UC120LF	25	\$3.50
1/2"	X 3/4" MNPT	UC116LF	25	\$5.00
3/4"	X 1/2" MNPT	UC138LF	25	\$5.00
3/4"	X 3/4" MNPT	UC134LF	25	\$5.00
3/4"	X 1" MNPT	UC139LF	10	\$8.90
1" X 3	3/4" MNPT	UC142LF	10	\$8.90
	1" MNPT	UC140LF	10	\$8.90
SWE	EAT FEMALE ADAPTERS			
1/2"	X 1/2"	UC600LF	25	\$3.50
	X 3/4"	UC606LF	25	\$5.00
1" X 1		UC605LF	10	\$8.90
SWE	EAT MALE ADAPTERS			
	X 1/2"	UC607LF	25	\$3.50
	X 3/4"	UC608LF	25	\$5.00
1" X 1		UC609LF	10	\$8.90



PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE	
ELBOWS				
3/8" X 3/8"	UC246LF	10	\$2.80	£20
1/2" X 1/2"	UC248LF	25	\$2.80	
3/4" X 3/4"	UC256LF	25	\$3.80	
1" X 1"	UC260LF	10	\$7.00	
1-1/4" x 1-1/4"	UC0235	10	\$22.00	-
1-1/2" x 1-1/2"	UC0241	10	\$36.50	Villa Control
2" x 2"	UC0254	10	\$58.00	
REDUCING ELBOWS				
1/2" X 3/8"	UC272LF	10	\$2.80	1000
1/2" X 3/4"	UC274LF	25	\$3.80	- 1833
3/4" X 5/8"	UC273LF	10	\$3.80	
DROP-EAR ELBOWS	<b>042702</b>		40.00	
1/2" X 1/2" FNPT Drop Ear	UC334LF	25	\$11.00	~ 200
3/4" X 3/4" FNPT Drop Ear	UC340LF	25	\$16.00	1
3/4" X 1/2" FNPT Drop Ear	UC342LF	25	\$16.00	-
ADAPTER ELBOWS	OCOTZLI	23	\$10.00	
1/2" X 1/2" MNPT	UC280LF	25	\$5.50	
1/2" X 3/4" MNPT	UC278LF	25	\$7.80	611
3/4" X 3/4" MNPT	UC286LF	25	\$7.80	
3/4" X 3/4" Female Sweat	UC626LF	25	\$5.40	_
3/4" X 3/4" Male Sweat	UC628LF	25	\$5.40	1
TEES BULK PACKAGED	UCUZULI	23	\$3.40	900
3/8" X 3/8" X 3/8"	UC360LF	10	\$3.40	
1/2" X 1/2" X 1/2"	UC362LF	25	\$3.40	_
3/4" X 3/4" X 3/4"	UC370LF	25	\$4.80	-
1" X 1" X 1"	UC374LF	10	\$8.40	-
1 1//"	UC0835	10	\$28.00	-
1-1/4 1-1/2"	UC0841	5	\$47.00	666
2" x 2"	UC0854	5	\$75.00	
BULLNOSE TEES	00007	J	\$75.00	
1/2" X 1/2" X 3/4" Bull Nose	UC408LF	25	\$4.80	
3/4" X 3/4" X 1" Bull Nose	UC413LF	10	\$8.40	accord.
REDUCING TEES	0(41311	10	30.40	
3/8" X 3/8" X 1/2"	UC364LF	10	\$3.40	
1/2" X 3/8" X 3/8"	UC452LF	10	\$3.40	
1/2" X 1/2" X 3/8"	UC363LF	10	\$3.40	
1/2" X 3/8" X 1/2" 3/4" X 3/4" X 3/8"	UC434LF UC417LF	10 10	\$3.40 \$4.80	
3/4" X 3/4" X 1/2"	UC412LF	25	\$4.80	-
3/4" X 1/2" X 1/2"	UC454LF	25	\$4.80	
3/4" X 1/2" X 3/4" 1" X 3/4" X 3/4"	UC444LF UC414LF	25 10	\$4.80 \$8.40	_
1 X 3/4 X 3/4 1" X 1" X 1/2"	UC414LF UC415LF	10	\$8.40	
1" X 1" X 3/4"	UC416LF	10	\$8.40	<b>6</b> 15
1" X 3/4" X 1"	UC418LF	10	\$8.40	



PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
ELBOWS			
1/2 x 1/2"	UP248	25	\$1.05
3/4" x 3/4"	UP256	25	\$1.45
1" x 1"	UP260	25	\$2.60
MALE ELBOWS			
1/2" X 1/2" MNPT	UP280	25	\$2.10
REDUCING ELBOWS			
3/4" X 1/2"	UP274	25	\$1.45
TEES			
3/8" x 3/8" x 3/8"	UP360	10	\$1.30
1/2" x 1/2"x 1/2"	UP362	25	\$1.30
3/4" x 3/4" x 3/4"	UP370	25	\$1.80
1" x 1" x 1"	UP374	25	\$3.20
REDUCING TEES			
1/2" X 1/2" X 3/4"	UP408	25	\$1.80
3/4" X 1/2" X 1/2"	UP454	25	\$1.80
3/4" X 3/4" X 1/2"	UP412	25	\$1.80
3/4" X 1/2" X 3/4"	UP444	25	\$1.80
" X 3/4" X 3/4"	UP414	25	\$3.20
1" X 1" X 1/2"	UP415	25	\$3.20
" X 1" X 3/4"	UP416	25	\$3.20
PLUGS			
/2"	UP514	25	\$0.45
/4"	UP518	25	\$0.65
п	UP520	25	\$0.85
ADAPTERS			
1/2" X 1/2" NPSM	UP526	25	\$1.50
3/8" X 1/2" NPSM	UP527	10	\$1.50
1/2" X 1/2" NPSM Elbow	UP532	25	\$1.50
3-D: PEX BARB FIRE FITTING	SS		
FIRE HORIZONTAL TEES			
3/4" x 3/4" x 1/2" FNPT	UCF12128H	1	\$63.00
1" x 3/4" x 1/2" FNPT	UCF16128H	1	\$78.00
1" x 1" x 1/2" FNPT	UCF16168H	1	\$78.00
FIRE VERTICAL TEES			
3/4" x 3/4" x 1" FNPT	UCF12128V	1	\$63.00
1" x 3/4" x 1/2" FNPT	UCF16128V	1	\$78.00
1" x 1" x 1/2" FNPT	UCF16168V	1	\$78.00
FIRE DROP-EAR ELBOWS			
3/4" x 1/2" FNPT	UCF128U	1	\$28.00
1" X 1/2" FNPT	UCF168U	1	\$35.50
FIRE THREADED FEMALE ADAPTERS			
3/4" X 1/2" FNPT	UCF128S	1	\$28.00
	1		



LIST

PRICE

\$42.50

\$28.00

\$28.00

\$35.50

\$35.50

\$11.90

\$11.90

\$11.90

\$11.90

\$11.90

\$11.90

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\$11.90

\$16.50

\$14.50

\$11.00

\$9.60

\$9.60

\$35.50

\$33.00

\$33.00

\$39.50

\$39.50

\$46.50

\$46.50

\$53.00

\$53.00

\$39.50

PRODUCT	DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
BARB HOME RUN MANIFOLDS				
12 Port with Brass Ball Valves		RM22712	1	\$280.00
24 Port with Brass Ball Valves		RM22724	1	\$475.00
12 Port with Poly Ball Valves		PM012UP	1	\$245.00
24 Port with Poly Ball Valves		PM024UP	1	\$380.00
BARB BALL VALVES				
1/2" x 1/2"		22461LF	12	\$12.60
3/4" x 3/4"		22462LF	12	\$18.00
l"x l"		22463LF	6	\$31.50
	3-G: PEX BARB ACCESSORIE	S		
CLAMP RINGS (STAINLESS STEEL)				
3/8"		UC952	100	\$0.45
1/2"		UC953	100	\$0.45
5/8"		UC954	50	\$0.55
3/4"		UC955	100	\$0.60
]"		UC956	50	\$0.80
CRIMP RINGS (COPPER)				
3/8" (25 Pack)		23101CP25	6	\$10.20
3/8" (100 Pack)		23101CP100	6	\$38.00
1/2" (25 Pack)		23102CP25	24	\$10.20
1/2" (100 Pack)		23102CP100	6	\$38.00
3/4" (25 Pack)		23103CP25	12	\$12.90
3/4" (100 Pack)		23103CP100	6	\$48.50
1" (25 Pack)		23104CP25	6	\$19.50
CRIMP RINGS (COPPER)				
3/8"		23101	100	\$0.35
1/2"		23102	100	\$0.35
3/4"		23103	100	\$0.45
]"		23104	25	\$0.75
<b>~</b> 1-1/4"		24676	50	\$1.35
1-1/4 1-1/2"		24677	50	\$2.90
2"		24678	20	\$5.30
PEX BEND SUPPORTS, SUSPENSION	N CLAMPS AND INSULATORS			
3/8" J Hook PEX Pipe Clamp (10 Pack)		23065	12	\$3.20
1/2" J Hook PEX Pipe Clamp (10 Pack)		23220	12	\$3.20
1/2" J Hook PEX Pipe Clamp (100 Pack)		23220Z100	5	\$17.00
3/4" J Hook PEX Pipe Clamp (10 Pack)		23221	12	\$3.20
1/2" Insulated Suspension Clamp (10 Pack)		23071A10	6	\$8.40
3/4" Insulated Suspension Clamp (10 Pack)		23072A10	6	\$8.90
1" Insulated Suspension Clamp (10 Pack)		23073A10	6	\$9.50
1/2" Pipe Insulator (10 Pack)		23074A10	6	\$10.50
3/4" Pipe Insulator (10 Pack)		23075A10	6	\$12.60
1" Pipe Insulator (10 Pack)		23076A10	6	\$17.00





















PEX DECOILER

**PEX Decoiler** 

PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
1/2" Polymer Bend Support with mounting bracket	23050	12	\$2.70
3/4" Polymer Bend Support	23051	6	\$4.50
1/2" Metal Pipe Support	23053	12	\$3.70
3/4" Metal Pipe Support	23054	12	\$5.80
RADIANT INSTALLATION COMPONENTS			
3/8" - 1/2" PEX Wire Mesh Installation Clips (25 Pack)	25485Z25	6	\$11.00
3/8" - 1/2" PEX Foam Insulation Twist Clips (25 Pack)	25486Z25	6	\$13.10
3/8" - 1/2" PEX Conduit Slab Support Elbow	25490Z	10	\$4.70
3-H: PEX BARB TOOLS			
PEX CRIMP TOOLS			
1/2", 3/4" PEX Combo Crimp Tool	23251	1	\$136.00
3/8", 1/2", 3/4" PEX Pocket Crimp Tool	23383	1	\$63.00
PEX CRIMP TOOL KIT			
3/8", 1/2", 3/4", 1" PEX Crimp Ring Tool Kit (Crimp Ring Gauge included)	23100	1	\$230.00
1-1/4", 1-1/2", 2" Crimp Tool	24675	1	\$445.00
PEX CLAMP TOOLS			
PEX Clamp Tool One-hand Operation	UC961	1	\$136.00
PEX Clamp Tool Standard Handles	23081	1	\$126.00
PEX PIPE CUTTER			
PEX Pipe Cutter	U701	1	\$20.00
CRIMP RING GAUGE			
3/8", 1/2", 3/4", 1" PEX Crimp Ring Gauge	23080	6	\$6.80
CRIMP RING REMOVAL TOOL			
PEX Crimp Ring Removal Tool	23055	6	\$47.50

UFH034

1

\$710.00





#### Health/Safety

No glue, solder, or solvents required for the connection process, which keeps potentially dangerous chemicals out of plumbing systems. Additionally, SharkBite PEX Pipe eliminates the need for open flames in the house that could be a potential fire hazard. There is no risk of copper traces in water from breakdown of pipe that has been linked to heart disease and Alzheimer's.



SharkBite PEX Pipe can be installed in dry or wet conditions. SharkBite PEX Pipe can lend itself to many applications due to its physical properties of flexibility, reliability and installation ease such as hydronic heating, fire protection, etc.



#### Chlorine Resistance

SharkBite PEX Pipe is tested to the highest level of chlorine resistance standards, testing at 100% chlorine at 140°F.



#### **Proven and Guaranteed**

SharkBite PEX Pipe has been around for more than 35 years with over 12 Billion feet of pipe installed worldwide.



#### Freeze Resistant

SharkBite PEX Pipe is freeze resistant as the pipe can expand and contract as water freezes and thaws within the pipe.



#### **Flexibility**

Able to bend pipe around corners which removes the need for 45° or 90° elbows in certain situations. SharkBite's new coiling process increases the flexibility of our coiled pipe even more.



#### **Cost Effective**

SharkBite PEX Pipe is substantially more cost effective than Copper pipe-SharkBite PEX Pipe costs a third of the price of Copper. SharkBite PEX Pipe is a fixed cost as prices don't fluctuate daily like Copper pipe.

### PROUDLY AMERICAN MADE





NSF/ANSI 14 NSF/ANSI 61



**ASTM F 876** 



**ASTM F 877** 



CSA B137.5



**AWWA C904** 



UL 1821

# MADE IN THE

SharkBite PEX Pipe is an cost effective piping solution approved for use in both hot and cold plumbing installations. Meeting the highest chlorine resistance standards and utilizing the most energy efficient manufacturing processes, our PEX pipe is proudly produced in Alabama. We own our manufacturing process from start to finish, so every piece of SharkBite PEX Pipe is guaranteed from concept to delivery.

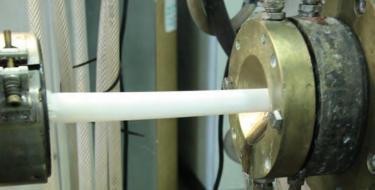
PEX pipe was introduced to North America in 1984 based on European market success, and was tested extensively for durability and material performance. All USA-installed PEX pipe must meet the qualification requirements as specified in the ASTM PEX Standards. SharkBite PEX Pipe can bend up to six times the outside diameter of the pipe—which is the maximum bend radius recommended by PEX pipe manufacturers.

SharkBite PEX Pipe can be used in a variety of applications including:

- Domestic plumbing
- · Fire suppression systems (residential fire sprinklers)
- Municipal water service pipe for use in underground applications
- Radiant heating systems for suspended floor systems or in slab construction
- Snow and ice melt systems for sidewalks, driveways, entrances, and ramps
- Turf conditioning for greenhouses, golf courses, and sports fields
- · Water reuse and reclamations systems

DISCOVER THE FLEXIBILITY OF SHARKBITE PEX PIPE.







PRODUCT DESCRIPTION	PART NUMBER	PART NUMBER	PART NUMBER	PACK/ QTY	LIST PRICE
SECTION	ON 4: SHAR	KBITE PEX	PIPE		'
4-A:	POTABLE W	ATER PEX PI	PE		
PEX PIPE (COILS)	WHITE	RED	BLUE		
1/4" (3/8" OD) 50'	U850W50			1	\$20.00
1/4" (3/8" OD) 100′	U850W100				\$40.00
3/8" 50′	U855W50			1	\$22.50
3/8" 100′	U855W100	U855R100	U855B100	1	\$45.00
1/2" 25′	U860W25	U860R25	U860B25	1	\$12.50
1/2" 50'	U860W50	U860R50	U860B50	1	\$25.00
1/2" 100′	U860W100	U860R100W	U860B100	1	\$50.00
1/2" 300'	U860W300	U860R300	U860B300	1	\$150.00
1/2" 500'	U860W500	U860R500	U860B500	1	\$250.00
1/2" 1000'	U860W1000	U860R1000	U860B1000	1	\$500.00
3/4" 25′	U870W25	U870R25	U870B25	1	\$22.50
3/4" 50'	U870W50	U870R50	U870B50W	1	\$45.00
3/4" 100′	U870W100	U870R100	U870B100	1	\$90.00
3/4" 300′	U870W300	U870R300	U870B300	1	\$270.00
3/4" 500'	U870W500	U870R500	U870B500	1	\$450.00
1" 100′	U880W100	U880R100	U880B100	1	\$160.00
1" 300′	U880W300	U880R300	U880B300	1	\$480.00
1" 500'	U880W500	U880R500	U880B500	1	\$800.00
1-1/4" 100′	U885W100			1	\$300.00
1-1/2" 100′	U890W100			1	\$450.00
2" 100'	U895W100			1	\$850.00
PEX PIPE (STRAIGHT LENGTHS)	WHITE	RED	BLUE		
1/4" (3/8" OD) 5'	U850W5			20	\$2.00
3/8" 5'	U855W5			10	\$2.30
3/8" 10'	U855W10			10	\$4.50
1/2" 2'	U860W2	U860R2	U860B2	60	\$2.00
1/2" 5'	U860W5	U860R5	U860B5	10	\$2.50
1/2" 10'	U860W10	U860R10	U860B10	10	\$5.00
1/2" 20'	U860W20	U860R20	U860B20	10	\$10.00
3/4" 2'	U870W2	U870R2	U870B2	30	\$3.60
3/4" 5'	U870W5	U870R5	U870B5	10	\$4.50
3/4" 10'	U870W10	U870R10	U870B10	10	\$9.00
3/4" 20'	U870W20	U870R20	U870B20	10	\$18.00
1" 5'	U880W5	U880R5	U880B5	5	\$8.00
1" 10'	U880W10	U880R10	U880B10	5	\$16.00
1" 20'	U880W20	U880R20	U880B20	5	\$32.00
1-1/4" 20'	U885W20			5	\$60.00
1-1/2" 20'	U890W20			5	\$90.00
2" 20′	U895W20			3	\$170.00









	PRODUCT DESCRIPTION	PART NUMBER	PACK/ QTY	LIST PRICE
	4-B: SPECIAL APPLICATIO	N PEX PIPE		
	TER PEX PIPE (PURPLE COILS) FOR USE WITH NON-POTABLE IALL NOT BE INSTALLED IN UV-EXPOSED ENVIRONMENTS	WATER RECLAIMED		
1/2" 100′		U860P100	1	\$60.00
1/2" 300′		U860P300	1	\$180.00
3/4" 100′		U870P100	1	\$110.00
3/4" 300′		U870P300	1	\$330.00
1" 100′		U880P100	1	\$190.00
1" 300′		U880P300	1	\$570.00
OXYGEN BARRI	ER PEX PIPE (ORANGE COILS)	OXYGEN BARRIER		
3/8" 100′		U8550100	1	\$70.00
3/8" 300′		U8550300	1	\$210.00
3/8" 500′		U8550500	1	\$350.00
1/2" 100′		U8600100	1	\$70.00
1/2" 300′		U8600300	1	\$210.00
1/2" 500′		U8600500	1	\$350.00
1/2" 1000′		U86001000	1	\$700.00
5/8" 300′		U8650300	1	\$300.00
3/4" 100′		U8700100	1	\$130.00
3/4" 300′		U8700300	1	\$390.00
3/4" 500'		U8700500	1	\$650.00
3/4" 1000′		U87001000	1	\$1,300.00
1" 100′		U8800100	1	\$225.00
1" 300'		U8800300	1	\$680.00
1" 500'		U8800500	1	\$1,130.00
OXYGEN BARRI	ER PEX PIPE (ORANGE STRAIGHT LENGTHS)	OXYGEN BARRIER		
1/2" 10'		U860010	10	\$7.00
1/2" 20′		U860020	10	\$14.00
3/4" 20′		U870020	10	\$26.00
1" 20'		U880020	5	\$45.00





# **WATER CONTROL VALVES** THAT STAND THE TEST OF TIME

In 1893, A.W. Cash designed a valve for U.S. Navy submarines. With the bottom of the sea as his testing ground, the valve became celebrated for its performance, reliability and dependability. Today, every water control valve we build is born from its DNA.

With more than 100 million valves produced and counting, Cash Acme is the world's largest volume T&P valve producer—and is a trusted manufacturer of water control valves to safeguard water delivery in residential, commercial and industrial settings.

It's our commitment to quality that has driven a century of success with water control valves that stand the test of time. Proudly built in America for more than 100 years, Cash Acme's ISO 9001-certified quality assurance processes ensure that every valve that leaves our facility is 100% tested and meets all standards.



www.cashacme.com

# SECTION 5: CASH ACME® PRESSURE REGULATING VALVES

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/A =		











SECTION 5: CASH ACME PRESSURE REGULATING VALVES





1/2" EB45-DSB Direct SharkBite	23807-0045	1	\$150.00
1/2" EB45-DSB Direct SharkBite Metal Top	24472-0045	1	\$166.00
1/2" EB45-SDSB Slip Feature Direct SharkBite	24383-0045	1	\$182.00
1/2" EB45-SDSB Slip Feature Direct SharkBite Metal Top	24474-0045	1	\$200.00
1/2" EB45-DUSB Double Union SharkBite	23893-0045	1	\$182.00
1/2" EB45-DUSB Double Union SharkBite Metal Top	24476-0045	1	\$200.00
3/4" EB45-DSB Direct SharkBite	23808-0045	1	\$154.00
3/4" EB45-DSB Direct SharkBite Metal Top	24473-0045	1	\$172.00
3/4" EB45-SDSB Slip Feature Direct SharkBite	24384-0045	1	\$188.00
3/4" EB45-SDSB Slip Feature Direct SharkBite Metal Top	24475-0045	1	\$205.00
3/4" EB45-DUSB Double Union SharkBite	23894-0045	1	\$188.00
3/4" EB45-DUSB Double Union SharkBite Metal Top	24477-0045	1	\$205.00
3/4" EB45 Double Union SharkBite (60 psi setting)	23896-0060	1	\$205.00
3/4" EB45-DUSB Double Union SharkBite with Gauge Port	24449-0045	1	\$205.00
1" EB45-DSB Direct SharkBite	22675-0045	1	\$205.00
1" EB45-DUSB Double Union SharkBite	23358-0045	1	\$245.00
1" EB45-DUSB Double Union SharkBite (60 psi setting)	23945-0060	1	\$270.00

(FACTORY SET AT 45 PSI, ADJUSTABLE FROM 10-70 PSI. INTEGRAL BY-PASS FEATURE. ASSE 1003, CSA B356. LISTED BY IAPMO AND ASSE)						
1/2" EB45 Threaded NPT	23880-0045	1	\$138.00			
1/2" EB45 Threaded NPT Metal Top	24460-0045	1	\$152.00			
3/4" EB45 Threaded NPT	23881-0045	1	\$140.00			
3/4" EB45 Threaded NPT Metal Top	24461-0045	1	\$154.00			
1" EB45 Threaded NPT	23164-0045	1	\$182.00			
1-1/4" EB45 Threaded NPT	23166-0045	1	\$450.00			
1-1/2" EB45 Threaded NPT	23167-0045	1	\$700.00			
2" EB45 Threaded NPT	23160-0045	1	\$850.00			

<b>EB45-U LEAD FREE SINGLE UNION THREADED</b> (FACTORY SET AT 45 PSI, ADJUSTABLE FROM 10-70 PSI. INTEGRAL BY-PASS FEATURE. ASSE 1003, CSA B356. LISTED BY IAPMO AND ASSE)					
1/2" EB45-U Single Union Threaded	23882-0045	1	\$154.00		
1/2" EB45-U Single Union Threaded Metal Top	24462-0045	1	\$172.00		
3/4" EB45-U Single Union Threaded	23883-0045	1	\$156.00		
3/4" EB45-U Single Union Threaded Metal Top	24463-0045	1	\$174.00		
3/4" EB45-U Union Inlet with Gauge	24446-0045	1	\$174.00		
1" EB45-U Single Union Threaded	23155-0045	1	\$205.00		
1" EB45-U Union Inlet with Gauge	24450-0045	1	\$225.00		
1-1/4" EB45-U Single Union Threaded	23158-0045	1	\$500.00		
1-1/2" EB45-U Single Union Threaded	23168-0045	1	\$780.00		
2" EB45-U Single Union Threaded	23161-0045	1	\$940.00		

PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
EB45-C LEAD FREE SINGLE UNION SWEAT (FACTORY SET AT 45 PSI, ADJUSTABLE FROM 10-70 PSI. INTEGRAL BY-PASS FEATURE. ASSE 1003, CSA	B356. LISTED BY IAPMO A	AND ASSE)	
1/2" EB45-C Single Union Sweat	23886-0045	1	\$154.00
1/2" EB45-C Single Union Sweat Metal Top	24466-0045	1	\$172.00
3/4" EB45-C Single Union Sweat	23887-0045	1	\$156.00
3/4" EB45-C Single Union Sweat Metal Top	24467-0045	1	\$174.00
3/4" EB45-C Valve Assy with Gauge	24447-0045	1	\$174.00
1" EB45-C Single Union Sweat	23165-0045	1	\$205.00
1" EB45-C Valve Assy with Gauge	24451-0045	1	\$225.00
1-1/4" EB45-C Single Union Sweat	23908-0045	1	\$500.00
1-1/2" EB45-C Single Union Sweat	23909-0045	1	\$780.00
2" EB45-C Single Union Sweat	23910-0045	1	\$940.00
<b>EB45-DU LEAD FREE DOUBLE UNION THREADED</b> (FACTORY SET AT 45 PSI, ADJUSTABLE FROM 10-70 PSI. INTEGRAL BY-PASS FEATURE. ASSE 1003, CSA	B356. LISTED BY IAPMO	AND ASSE)	
1/2" EB45-DU Double Union Threaded	23884-0045	1	\$172.00
1/2" EB45-DU Double Union Threaded Metal Top	24464-0045	1	\$188.00
3/4" EB45-DU Double Union Threaded	23885-0045	1	\$174.00
3/4" EB45-DU Double Union Threaded Metal Top	24465-0045	1	\$190.00
1" EB45-DU Double Union Threaded	23156-0045	1	\$225.00
1-1/4" EB45-DU Double Union Threaded	23905-0045	1	\$560.00
1-1/2" EB45-DU Double Union Threaded	23906-0045	1	\$870.00
2" EB45-DU Double Union Threaded	23907-0045	1	\$1,030.00
<b>EB45-CC LEAD FREE DOUBLE UNION SWEAT</b> (FACTORY SET AT 45 PSI, ADJUSTABLE FROM 10-70 PSI. INTEGRAL BY-PASS FEATURE. ASSE 1003, CSA	B356. LISTED BY IAPMO	AND ASSE)	
1/2" EB45-CC Double Union Sweat	23888-0045	1	\$172.00
1/2" EB45-CC Double Union Sweat Metal Top	24468-0045	1	\$188.00
3/4" EB45-CC Double Union Sweat	23889-0045	1	\$174.00
3/4" EB45-CC Double Union Sweat Metal Top	24469-0045	1	\$190.00
1" EB45-CC Double Union Sweat	23157-0045	1	\$225.00
1-1/4" EB45-CC Double Union Sweat	23159-0045	1	\$560.00
1-1/2" EB45-CC Double Union Sweat	23898-0045	1	\$870.00
2" EB45-CC Double Union Sweat	23899-0045	1	\$1,030.00
<b>EB45-DUPE LEAD FREE DOUBLE UNION PEX ENDS</b> (FACTORY SET AT 45 PSI, ADJUSTABLE FROM 10-70 PSI. INTEGRAL BY-PASS FEATURE. ASSE 1003, CSA	B356. LISTED BY IAPMO	AND ASSE)	
3/4" EB45-DUPE Double Union PEX Ends	23891-0045	1	\$174.00
3/4" EB45-DUPE Double Union PEX Ends Metal Top	24471-0045	1	\$190.00
1" EB45-DUPE Double Union PEX Ends	23942-0045	1	\$225.00
<b>EB45-DUCPVC LEAD FREE DOUBLE UNION CPVC ENDS</b> (FACTORY SET AT 45 PSI, ADJUSTABLE FROM 10-70 PSI. INTEGRAL BY-PASS FEATURE. ASSE 1003, CSA	B356. LISTED BY IAPMO A	AND ASSE)	
3/4" EB45-DUCPVC Double Union CPVC Ends	23890-0045	1	\$174.00
3/4" EB45-DUCPVC Double Union CPVC Ends Metal Top	24470-0045	1	\$190.00
1" EB45-DUCPVC Double Union CPVC Ends	23941-0045	1	\$225.00
EB45 DOUBLE UNION BYPASS KITS			
1" EB45 Double Union Threaded NPT Temporary Bypass Kit	22937	1	\$47.50
1" EB45 Double Union SWT Temporary Bypass Kit	22938	1	\$47.50
1-1/4" EB45 Double Union Threaded NPT Temporary Bypass Kit	22942	1	\$106.00

















PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
3/4" EB25-DUPE Double Union PEX Ends	23957-0045	1	\$205.00
" EB25-DUPE Double Union PEX Ends	23140-0045	1	\$270.00
EB25 LEAD FREE CONTRACTOR KITS (VALVE BODY AND TEMPORARY CAP WITH ST	TRAINER)		
3/4" EB25-U Single Union Threaded Contractor Kit	24395	1	\$83.00
" EB25-U Single Union Threaded Contractor Kit	24396	1	\$140.00
" EB25-C Single Union Sweat Contractor Kit	24397	1	\$140.00
-1/4" EB25-U Single Union Threaded Contractor Kit	24398	1	\$280.00
-1/4" EB25-C Single Union Sweat Contractor Kit	23147	1	\$280.00
EB25 LEAD FREE CARTRIDGE KIT (CARTRIDGE AND SCREEN FOR CONTRACTOR KITS	·S)		
/2"-1" EB25 Cartridge Kit	23148	1	\$106.00
-1/4"-2" EB25 Cartridge Kit	23149	1	\$330.00
B25 DIRECT BURIAL COVER KIT (INCLUDES PLASTIC COVER AND O-RING)			
/2"-1" EB25 Direct Burial Cover Kit	22224	1	\$15.00
E <b>b25 Lead free Stainless Steel Threaded NPT</b> Factory set at 45 psi, adjustable from 20-90 psi. Integral by-pass feature. Full Cart Listed by Iapmo and Asse)	TRIDGE W/ PRESSURE INDICATOR	R. ASSE 1003,	CSA B356.
3/4" EB25 Threaded NPT	22263-0045	1	\$170.00
" EB25 Threaded NPT	22266-0045	1	\$220.00
<b>EB25-DU LEAD FREE STAINLESS STEEL DOUBLE UNION THREADED</b> (Factory set at 45 psi, adjustable from 20-90 psi. Integral by-pass feature. Full Cart Listed by Iapmo and Asse)	TRIDGE W/ PRESSURE INDICATOR	R. ASSE 1003,	CSA B356.
3/4" EB25-DU Double Union Threaded	22264-0045	1	\$205.00
" EB25-DU Double Union Threaded	22267-0045	1	\$270.00
EB25 LEAD FREE MULTI-CARTRIDGE			
(FACTORY SET AT 55 PSI, ADJUSTABLE FROM 20-90 PSI. INTEGRAL BY-PASS FEATURE. FULL CART			00.150.00
2-1/2" EB25 Multi-Cartridge Threaded NPT	23994-0055	1	\$2,150.00
2-1/2" EB25 Multi-Cartridge Flanged	23996-0055	1	\$2,900.00
3" EB25 Multi-Cartridge Threaded NPT	23995-0055	1	\$3,070.00
3" EB25 Multi-Cartridge Flanged	23997-0055	1	\$4,140.00
4" EB25 Multi-Cartridge Flanged	23998-0055	1	\$4,940.00
5-C: E3  (FOR ADDITIONAL PRESSURE SETTINGS CONTACT CUSTOMER SERVICE. NONSTANDARD  E3 LEAD FREE THREADED NPT  (FACTORY SET AT 45 PSI, ADJUSTABLE FROM 20-70 PSI. ASSE 1003, CSA B356. LISTED BY IAPMI  1/2" E3 Threaded NPT		A 10% PRICE	<b>PREMIUM.)</b> \$540.00
1/2 E3 Threaded NPT	24700-0045	1	
3/4 E3 INreaded NPT		•	\$540.00
	24706-0045	1	\$700.00
1-1/4" E3 Threaded NPT	24709-0045	1	\$1,730.00
1-1/2" E3 Threaded NPT	24712-0045	1	\$2,710.00
2" E3 Threaded NPT	24715-0045	1	\$3,240.00
5-D: E41 (FOR ADDITIONAL PRESSURE SETTINGS CONTACT CUSTOMER SERVICE. NONSTANDARI E41 LEAD FREE THREADED NPT		A 10% PRICE	PREMIUM.)
FACTORY SET AT 45 PSI, ADJUSTABLE FROM 20-70 PSI. ASSE 1003, CSA B356. LISTED BY IAPM		1	6445.00
FACTORY SET AT 45 PSI, ADJUSTABLE FROM 20-70 PSI. ASSE 1003, CSA B356. LISTED BY IAPMI 1/2" E41 Threaded NPT	24478-0045	1	\$445.00
(FACTORY SET AT 45 PSI, ADJUSTABLE FROM 20-70 PSI. ASSE 1003, CSA B356. LISTED BY IAPMI 1/2" E41 Threaded NPT 3/4" E41 Threaded NPT 1" E41 Threaded NPT		1 1	\$445.00 \$450.00 \$590.00





















PART NUMBER	QTY/ BAG	LIST PRICE
11262	1	\$176.00
11263	1	\$194.00
11264	1	\$250.00
20778	1	\$250.00
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# **SECTION 6: CASH ACME THERMOSTATIC MIXING VALVES**

6-A: DISTRIBUTION & IN-LINE THERMOSTAT	IC MIXING VA	LVES	
TANK BOOSTER PRO LEAD FREE (ASSE 1017, 1070, & CSA B 125.3)			
3/4" Heatguard Tank Booster Pro with Corrugated Hose and Integral Checks	24639	1	\$190.00
3/4" Heatguard Tank Booster Pro with Braided Hose and Integral Checks	24832	1	\$190.00
3/4" Heatguard Tank Booster Pro with Corrugated Hose, Integral Checks, and Temperature Gauge	24643	1	\$210.00
3/4" Heatguard Tank Booster Pro with Braided Hose, Integral Checks, and Temperature Gauge	24644	1	\$210.00
HG110-D LEAD FREE (ASSE 1017, 1069, 1070, & CSA B 125.3)			
1/2" HG110-D with Integrated SharkBite Connections and Integral Checks	24548	1	\$200.00
3/4" HG110-D with Integrated SharkBite Connections and Integral Checks	24549	1	\$200.00
1/2" HG110-D with SharkBite Union Connections and Integral Checks	24504	1	\$178.00
3/4" HG110-D with SharkBite Union Connections and Integral Checks	24505	1	\$180.00
1/2" HG110-D with FNPT Connections and Integral Checks	24510	1	\$178.00
3/4" HG110-D with MNPT Connections and Integral Checks	24511	1	\$180.00
3/4" HG110-D with FNPT Connections and Integral Checks	25523	RIPLE 1	\$180.00
1/2" HG110-D with Sweat Connections and Integral Checks	24501	1	\$168.00
3/4" HG110-D with Sweat Connections and Integral Checks	24502	1	\$168.00
1" HG110-D with Sweat Connections and Integral Checks	24503	1	\$178.00
1/2" HG110-D with CPVC Connections and Integral Checks	24508	1	\$168.00
3/4" HG110-D with CPVC Connections and Integral Checks	24509	1	\$168.00
1/2" HG110-D with Barb Connections and Integral Checks	24506	1	\$168.00
3/4" HG110-D with Barb Connections and Integral Checks	24507	1	\$168.00

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6-B: IN-LINE THERMOSTATIC MIXING VALVES			
<b>HG160 LEAD FREE</b> (ASSE 1069, 1070, & CSA B125.3)			
1/2" HG160 with SharkBite Connections and Integral Checks	24529	1	\$190.00
3/4" HG160 with SharkBite Connections and Integral Checks	24530	1	\$192.00
1/2" HG160 with FNPT Connections and Integral Checks	24536	1	\$190.00
1/2" HG160 with Sweat Connections and Integral Checks	24528	1	\$178.00
1/2" HG160 with CPVC Connections and Integral Checks	24533	1	\$178.00
3/4" HG160 with CPVC Connections and Integral Checks	24534	1	\$178.00
1/2" HG160 with Barb Connections and Integral Checks	24531	1	\$178.00
3/4" HG160 with Barb Connections and Integral Checks	24532	1	\$178.00
HG145 LEAD FREE WITH MOUNTING CLAMP AND INLET STRAINER SCREENS (ASSE 1070 & CSA B 125.3)			
3/8" HG145 with Compression Connections and Integral Checks	24524	1	\$126.00
3/8" HG145 with Compression Connections, Tee & Elbow and Integral Checks	24525	1	\$136.00



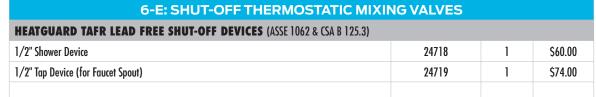




6-C: RADIANT HEATING THERMOSTATIC MIXING VALVES			
HG110-HX LEAD FREE (RADIANT APPLICATIONS) (ASSE 1017 & CSA B 125.3)			
1/2" HG110-HX with FNPT Connections and Integral Checks	24517	1	\$178.00
3/4" HG110-HX with MNPT Connections and Integral Checks	24518	1	\$180.00
1/2" HG110-HX with Sweat Connections and Integral Checks	24513	1	\$168.00
3/4" HG110-HX with Sweat Connections and Integral Checks	24514	1	\$168.00
3/4" HG110-HX with SharkBite Connections and Integral Checks	24867	1	\$180.00
1" HG110-HX with Sweat Connections and Integral Checks	24515	1	\$178.00



6-D: HIGH CAPACITY THERMOSTATIC MIXING VALVES			
HG115 LEAD FREE HIGH CAPACITY (ASSE 1017 & CSA B 125.3)			
3/4" HG115 with FNPT Connections and Integral Checks	24522	1	\$390.00
3/4" HG115 with Sweat Connections and Integral Checks	24519	1	\$380.00
1" HG115 with Sweat Connections and Integral Checks	24520	1	\$390.00
1-1/4" HG115 with Sweat Connections and Integral Checks	24521	1	\$400.00





6-F: MASTER DISTRIBUTION THERMOSTATIC MIXING VALVES				
MASTERGUARD 800 SERIES HIGH CAPACITY LEAD FREE (ASSE 1017 & CSA B 125.3)				
\$1,370.00	24539	1	\$1,370.00	
\$1,790.00	24540	1	\$1,790.00	
\$2,100.00	24541	1	\$2,100.00	
\$2,630.00	24542	1	\$2,630.00	
MASTERGUARD 800 SERIES REPAIR KITS				
MasterGuard 830 Fitting Service Kit	MS256	1	\$55.00	
MasterGuard 840 Fitting Service Kit	MS257	1	\$55.00	
MasterGuard 850 Fitting Service Kit	MS258	1	\$72.00	
MasterGuard 860 Fitting Service Kit	MS259	1	\$72.00	
MasterGuard 830 Fitting Replacement Kit	MS260	1	\$270.00	
MasterGuard 840 Fitting Replacement Kit	MS261	1	\$285.00	
MasterGuard 850 Fitting Replacement Kit	MS262	1	\$485.00	
MasterGuard 860 Fitting Replacement Kit	MS263	1	\$485.00	
MasterGuard 830 Temp Adjustment Kit	MS266	1	\$27.00	
MasterGuard 840 Temp Adjustment Kit	MS267	1	\$27.00	

PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE	
MasterGuard 850 Temp Adjustment Kit	MS268	1	\$26.50	
MasterGuard 860 Temp Adjustment Kit	MS269	1	\$26.50	
MasterGuard 830/840 Head Works Replacement Kit	MS270	1	\$69.00	
MasterGuard 850/860 Head Works Replacement Kit	MS271	1	\$114.00	
6-G: THERMOSTATIC MIXING VALVE ACCESSORIES				
TEMPERATURE GAUGE				



\$31.50

\$42.00

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### **SECTION 7: CASH ACME RELIEF VALVES**

25376

24412

### 7-A: T&P RELIEF VALVES (FOR ADDITIONAL PRESSURE SETTINGS CONTACT CUSTOMER SERVICE)

NCLX RESIDENTIAL TEMPERATURE & PRESSURE RELIEF VALVES (VALVES WITH EXTENDED INLETS: NCLX-5L = 2-3/32", NCLX-LS = 2-5/8", NCLX-5LX = 2-1/3", NCLX-A = 3-1/3" SHANK LENGTH MEASURED FROM BOTTOM OF OUTLET. ELEMENT LENGTHS: 1 = 1", 5 = 4", 8 = 8". ELEMENT LENGTHS ARE NOT EXACT MEASUREMENTS. CONTACT CUSTOMER SERVICE FOR ADDITIONAL PRESSURE SETS. AGA & ASME CERTIFIED.)

LEIGHTO FIRE NOT ENTER MEDICALITIES. CONTINCT CONTINCT FOR A POST OF A FIRE CERTIFICATION.				
1/2" NCLX-1	16483-0150	1	\$33.00	
3/4" NCLX-1	16487-0150	1	\$28.50	
1/2" NCLX-5, AGA only	15912-0150	1	\$25.50	
3/4" NCLX-5	15836-0150	1	\$20.50	
3/4" NCLX-5L	18821-0150	1	\$26.50	
3/4" NCLX-5LX	19783-0150	1	\$30.00	
3/4" NCLX-LS	19084-0150	1	\$34.50	
3/4" NCLX-8	16372-0150	1	\$41.00	
3/4" NCLX-8 with Extended Shank	24971-0150	1	\$66.00	
3/4" NCLX-A	22348-0150	1	\$41.00	
3/4" NCLX-5 for Water Heaters using PEX Pipe ASME, 180°F Element	22830-0100	1	\$28.50	
3/4" NCLX-5LX for Water Heaters using PEX Pipe ASME, 180°F Element	22831-0100	1	\$41.00	
3/4" NCLX-A for Water Heaters using PEX Pipe ASME, 180°F Element	22832-0100	1	\$57.00	
TEMPERATURE AND PRESSURE RELIEF VALVE WITH SHARKBITE OUTLET CONNECTION				
3/4" NCLX-5LX w/ SharkBite Outlet Connection	24609-0150	1	\$40.00	
LEAD FREE NCLY RESIDENTIAL TEMPERATURE & PRESSURE RELIEF VALVES CLAM SHELL PACKAGED (VALVES WITH				

**LEAD FREE NCLX RESIDENTIAL TEMPERATURE & PRESSURE RELIEF VALVES CLAM SHELL PACKAGED** (VALVES WITH EXTENDED INLETS: NCLX-5L = 2-3/32", NCLX-LS = 2-5/8", NCLX-5LX = 2-1/3", NCLX-A = 3-1/3" SHANK LENGTH MEASURED FROM BOTTOM OF OUTLET. ELEMENT LENGTHS: 1 = 1", 5 = 4", 8 = 8". ELEMENT LENGTHS ARE NOT EXACT MEASUREMENTS. CONTACT CUSTOMER SERVICE FOR ADDITIONAL PRESSURE SETS. AGA & ASME CERTIFIED.)

3/4" NCLX-5	23576-0150	6	\$24.00
3/4" NCLX-LX	23577-0150	6	\$38.00

**LEAD FREE NCLX RESIDENTIAL TEMPERATURE & PRESSURE RELIEF VALVES** (VALVES WITH EXTENDED INLETS: NCLX-5L = 2-3/32", NCLX-LS = 2-5/8", NCLX-5LX = 2-1/3", NCLX-A = 3-1/3" SHANK LENGTH MEASURED FROM BOTTOM OF OUTLET. ELEMENT LENGTHS: 1 = 1", 5 = 4", 8 = 8". ELEMENT LENGTHS ARE NOT EXACT MEASUREMENTS. CONTACT CUSTOMER SERVICE FOR ADDITIONAL PRESSURE SETS. AGA & ASME CERTIFIED.)

1/2" NCLX-1	23277-0150	1	\$49.50
3/4" NCLX-1	23279-0150	1	\$43.00
1/2" NCLX-5, AGA only	23278-0150	1	\$38.50
3/4" NCLX-5	23261-0150	1	\$31.00
3/4" NCLX-5L	23354-0150	1	\$40.50
3/4" NCLX-LS	23268-0150	1	\$53.00
3/4" NCLX-5LX	23266-0150	1	\$44.50
3/4" NCLX-8	23272-0150	1	\$62.00



Temperature Gauge for Tank Booster Pro

Temperature Gauge for Heatguard 110-D, 110-HX, 160











1" FVX-8L Female Inlet

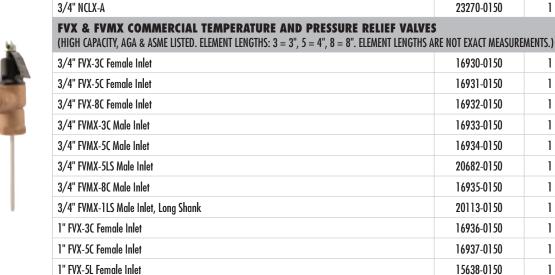
1" FVMX-3C Male Inlet

1" FVMX-5C Male Inlet

1" FVMX-3LS Male Inlet, Long Shank

1" FVMX-4LS Male Inlet, Long Shank

1-1/4" X 1" FVMX-4L Male Inlet, Long Shank



PRODUCT DESCRIPTION

QTY/ BAG

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1

1

1

1

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1

PART NUMBER

17354-0150

16938-0150

16939-0150

19784-0150

22894-0150

15672-0150

LIST

PRICE

\$62.00

\$200.00

\$230.00

\$250.00

\$140.00

\$108.00

\$124.00

\$230.00

\$410.00

\$300.00

\$345.00

\$430.00

\$500.00

\$200.00

\$148.00

\$215.00

\$520.00

\$500.00







1-1/2" FVX-4 Female Inlet, Long Shank	16221-0150	1	\$1,070.00
2" X 1-1/2" FVMX-3 Male Inlet	16225-0150	1	\$1,130.00
<b>LEAD FREE FVX &amp; FVMX COMMERCIAL TEMPERATURE A</b> (HIGH CAPACITY, AGA & ASME LISTED. ELEMENT LENGTHS: $3=3^{\circ}$ , $5=4^{\circ}$ , $8=$		EMENTS.)	
3/4" FVX-3C Female Inlet	23258-0150	1	\$305.00
3/4" FVX-5C Female Inlet	23256-0150	1	\$335.00
3/4" FVX-8C Female Inlet	23355-0150	1	\$375.00
3/4" FVMX-3C Male Inlet	23274-0150	1	\$210.00
3/4" FVMX-5C Male Inlet	23255-0150	1	\$164.00
3/4" FVMX-8C Male Inlet	23275-0150	1	\$335.00
3/4" FVMX-1LS Male Inlet, Long Shank	23260-0150	1	\$620.00
1" FVX-3C Female Inlet	23259-0150	1	\$445.00
1" FVX-5C Female Inlet	23931-0150	1	\$530.00
1" FVX-5L Female Inlet	23257-0150	1	\$650.00
1" FVX-8L Female Inlet	23273-0150	1	\$760.00
1" FVMX-3C Male Inlet	23253-0150	1	\$305.00
1" FVMX-5C Male Inlet	23276-0150	1	\$164.00
1" FVMX-4LS Male Inlet, Long Shank	23254-0150	1	\$325.00
1" FVMX-3LS Male Inlet, Long Shank	23932-0150	1	\$520.00
1-1/4" X 1" FVMX-4L Male Inlet, Long Shank	23934-0150	1	\$760.00
1-1/2" FVX-4 Female Inlet, Long Shank	23935-0150	1	\$1,600.00
2" X 1-1/2" FVMX-3 Male Inlet	23936-0150	1	\$1,690.00

7-B: PRESSURE ONLY RELIEF VALVES (FOR ADDITIONAL PRESSURE SETTINGS CONTACT CUSTOMER SERVICE.)

PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
FWL-2 PRESSURE RELIEF VALVES (PRESSURE ONLY)		5,10	TRICE
1/2" FWL-2 Pressure Only	14721-0150	1	\$22.00
3/4" FWL-2 Pressure Only, AGA & ASME	14737-0150	1	\$20.00
LEAD FREE FWL-2 PRESSURE RELIEF VALVES (PRESSURE ONLY)			
3/4" FWL-2 Pressure Only, AGA & ASME Lead Free	23343-0150	1	\$30.00
FWOL PRESSURE ONLY RELIEF VALVES WITHOUT LIFT LEVER (FWL-2 WITHOUT	LIFT LEVER)		
3/4" Pressure Only, Male Inlet / Female Outlet without Lift Lever	22834-0125	1	\$28.50
3/4" Pressure Only, Male Inlet / Female Outlet without Lift Lever	22835-0100	1	\$28.50
3/4" Pressure Only, Male Inlet / Female Outlet without Lift Lever	22836-0075	1	\$28.50
1/2" Pressure Only, Male Inlet / Female Outlet without Lift Lever	22862-0125	1	\$23.50
1/2" Pressure Only, Male Inlet / Female Outlet without Lift Lever	22863-0100	1	\$23.50
1/2" Pressure Only, Male Inlet / Female Outlet without Lift Lever	22864-0075	1	\$23.50
F-30, F-82 ASME PRESSURE RELIEF VALVES (PRESSURE ONLY, FOR HOT WATER, HIGH	CAPACITY)		
3/4" F-30 set at 30 psi	20166-0030	1	\$24.50
3/4" F-30 FIP X FIP set at 30 psi	22887-0030	1	\$24.50
3/4" F-82 Bronze Body with Lever set at 30 psi	13570-0030	1	\$91.00
3/4" F-82 Bronze Body with Lever set at 50 psi	13570-0050	1	\$91.00
3/4" F-82 Bronze Body with Lever set at 75 psi	13570-0075	1	\$91.00
3/4" F-82 Bronze Body with Lever set at 100 psi	13570-0100	1	\$91.00
3/4" F-82 Bronze Body with Lever set at 125 psi	13570-0125	1	\$91.00
3/4" F-82 Bronze Body with Lever set at 150 psi	13570-0150	1	\$91.00
1" F-82 Bronze Body with Lever set at 30 psi	15673-0030	1	\$108.00
1" F-82 Bronze Body with Lever set at 50 psi	15673-0050	1	\$108.00
1" F-82 Bronze Body with Lever set at 75 psi	15673-0075	1	\$108.00
1" F-82 Bronze Body with Lever set at 100 psi	15673-0100	1	\$108.00
1" F-82 Bronze Body with Lever set at 125 psi	15673-0125	1	\$108.00
1" F-82 Bronze Body with Lever set at 150 psi	15673-0150	1	\$108.00
1-1/4" F-82 Bronze Body with Lever set at 50 psi	16174-0050	1	\$385.00
1-1/4" F-82 Bronze Body with Lever set at 100 psi	16174-0100	1	\$385.00
1-1/4" F-82 Bronze Body with Lever set at 150 psi	16174-0150	1	\$385.00
1-1/2" F-82 Bronze Body with Lever set at 50 psi	16189-0050	1	\$490.00
1-1/2" F-82 Bronze Body with Lever set at 100 psi	16189-0100	1	\$490.00
1-1/2" F-82 Bronze Body with Lever set at 150 psi	16189-0150	1	\$490.00
2" F-82 Bronze Body with Lever set at 50 psi	16204-0050	1	\$660.00
2" F-82 Bronze Body with Lever set at 100 psi	16204-0100	1	\$660.00
2" F-82 Bronze Body with Lever set at 150 psi	16204-0150	1	\$660.00
LEAD FREE F-30, F-82 ASME PRESSURE RELIEF VALVES (PRESSURE ONLY, FOR H	OT WATER, HIGH CAPACIT	Y)	
3/4" F-30 set at 30 psi	23344-0030	1	\$37.50
3/4" F-82 Bronze Body with Lever set at 30 psi	23341-0030	1	\$136.00
3/4" F-82 Bronze Body with Lever set at 50 psi	23341-0050	1	\$136.00
3/4" F-82 Bronze Body with Lever set at 75 psi	23341-0075	1	\$136.00
3/4" F-82 Bronze Body with Lever set at 100 psi	23341-0100	1	\$136.00
3/4" F-82 Bronze Body with Lever set at 125 psi	23341-0125	1	\$136.00
3/4" F-82 Bronze Body with Lever set at 150 psi	23341-0150	1	\$136.00











PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
1" F-82 Bronze Body with Lever set at 30 psi	23356-0030	1	\$162.00
1" F-82 Bronze Body with Lever set at 50 psi	23356-0050	1	\$162.00
1" F-82 Bronze Body with Lever set at 75 psi	23356-0075	1	\$162.00
1" F-82 Bronze Body with Lever set at 100 psi	23356-0100	1	\$162.00
1" F-82 Bronze Body with Lever set at 125 psi	23356-0125	1	\$162.00
1" F-82 Bronze Body with Lever set at 150 psi	23356-0150	1	\$162.00
1-1/4" F-82 Bronze Body with Lever set at 50 psi	23937-0050	1	\$580.00
1-1/4" F-82 Bronze Body with Lever set at 100 psi	23937-0100	1	\$580.00
1-1/4" F-82 Bronze Body with Lever set at 150 psi	23937-0150	1	\$580.00
1-1/2" F-82 Bronze Body with Lever set at 50 psi	23938-0050	1	\$740.00
1-1/2" F-82 Bronze Body with Lever set at 100 psi	23938-0100	1	\$740.00
1-1/2" F-82 Bronze Body with Lever set at 150 psi	23938-0150	1	\$740.00
2" F-82 Bronze Body with Lever set at 50 psi	23939-0050	1	\$1,000.00
2" F-82 Bronze Body with Lever set at 100 psi	23939-0100	1	\$1,000.00
2" F-82 Bronze Body with Lever set at 150 psi	23939-0150	1	\$1,000.00
F-95 ASME PRESSURE RELIEF VALVES (PRESSURE ONLY, FOR HOT WATER, IRON BODY)			
3/4" X 1" F-95 Iron Body with Lever set at 30 psi	19497-0030	1	\$79.00
3/4" X 1" F-95 Iron Body with Lever set at 50 psi	19497-0050	1	\$79.00
3/4" X 1" F-95 Iron Body with Lever set at 75 psi	19497-0075	1	\$79.00
1" X 1-1/4" F-95 Iron Body with Lever set at 30 psi	19499-0030	1	\$148.00
1" X 1-1/4" F-95 Iron Body with Lever set at 50 psi	19499-0050	1	\$148.00
1" X 1-1/4" F-95 Iron Body with Lever set at 75 psi	19499-0075	1	\$148.00
1-1/4" X 1-1/2" F-95 Iron Body with Lever set at 30 psi	19501-0030	1	\$395.00
1-1/4" X 1-1/2" F-95 Iron Body with Lever set at 50 psi	19501-0050	1	\$395.00
1-1/4" X 1-1/2" F-95 Iron Body with Lever set at 75 psi	19501-0075	1	\$395.00
1-1/2" X 2" F-95 Iron Body with Lever set at 30 psi	19503-0030	1	\$420.00
1-1/2" X 2" F-95 Iron Body with Lever set at 50 psi	19503-0050	1	\$420.00
1-1/2" X 2" F-95 Iron Body with Lever set at 75 psi	19503-0075	1	\$420.00
2" X 2-1/2" F-95 Iron Body with Lever set at 30 psi	19505-0030	1	\$780.00
2" X 2-1/2" F-95 Iron Body with Lever set at 50 psi	19505-0050	1	\$780.00
2" X 2-1/2" F-95 Iron Body with Lever set at 75 psi	19505-0075	1	\$780.00
F & FW SERIES RELIEF VALVES			
1/2" F Pressure Only, Male Inlet / Female Outlet	07420-0150	1	\$46.00
1/2" X 3/8" FP Pressure Only, Male Inlet / 3/8" Female Outlet	07410-0150	1	\$37.50
1/2" FW Pressure Only	09553-0125	1	\$57.00
3/4" FW Pressure Only	09554-0125	1	\$57.00

09563-0125LF

1

\$74.00

LEAD FREE FWC ADJUSTABLE PRESSURE RELIEF VALVES (CALIBRATED STEM)





1/2" Pressure Only

PRODUCT DESCRIPTION	PART NUMBER	QTY/ BAG	LIST PRICE
3/4" Pressure Only	09564-0125LF	1	\$74.00
7-C: VACUUM RELIEF VA	ALVES		
LEAD FREE VR-801 VACUUM RELIEF VALVES			
1/2" Drilled Vent, with Dust Cover	22397-0000LF	1	\$22.00
3/4" Drilled Vent, with Dust Cover	22398-0000LF	1	\$22.00
SECTION 8: CASH ACME BACKFL	OW PREVENTION	ON	
8-A: VACUUM BREAKI	ERS		
V-3 VACUUM BREAKERS HOSE BIBB TYPE (ASSE 1011 & CSA B64.2)			
3/4" V-3 Vacuum Breaker, Hose Bibb Type with Locking Screw	17148-0000	1	\$5.90
3/4" V-3C, Vacuum Breaker, Hose Bibb Type, Chrome Plated	17195-0000	1	\$11.00
V-3 LEAD FREE VACUUM BREAKERS HOSE BIBB TYPE (ASSE 1011 & CSA	B64.2)		
3/4" V-3, Vacuum Breaker, Hose Bibb Type with Locking Screw	17148-0000LF	1	\$7.00
3/4" V-3C, Vacuum Breaker, Hose Bibb Type, Chrome Plated	17195-0000LF	1	\$13.2
VB-222 VACUUM BREAKERS (SELF DRAINING, FREEZE PROOF) (ASSE	1011 & CSA B64.2)		
3/4" VB-222, Vacuum Breaker, Self Draining with Locking Screw	19600-0000	1	\$16.0
3/4" VB-222C, Chrome Plated Vacuum Breaker, Self Draining with Locking Screw	21896-0000	1	\$21.0
VB-222 LEAD FREE VACUUM BREAKERS (SELF DRAINING, FREEZE P	PROOF) (ASSE 1011 & CSA B64	4.2)	
3/4" VB-222, Vacuum Breaker, Self Draining with Locking Screw	19600-0000LF	1	\$19.0
3/4" VB-222C, Chrome Plated Vacuum Breaker, Self Draining with Locking Screw	21896-0000LF	1	\$25.0
V-101 NON-POTABLE ANTI-SIPHON VACUUM BREAKERS (ASSE 1001 & 0	CSA B64.1.1)		
1/2" V-101, Anti-Siphon, Brass, 212°F (100°C) max	17383-0000	1	\$22.5
3/4" V-101, Anti-Siphon, Brass, 212°F (100°C) max	17384-0000	1	\$29.5
V-101 LEAD FREE ANTI-SIPHON VACUUM BREAKERS (ASSE 1001 & CSA B	364.1.1)		
1/2" V-101, Anti-Siphon, Brass, 212°F (100°C) max	17383-0000LF	1	\$27.5
3/4" V-101, Anti-Siphon, Brass, 212°F (100°C) max	17384-0000LF	1	\$35.0
1" V-101, Anti-Siphon, Brass, 212°F (100°C) max	17385-0000LF	1	\$53.0
1/2" V-101C, Anti-Siphon, Chrome, 212°F (100°C) max	17389-0000LF	1	\$45.0
3/4" V-101C, Anti-Siphon, Chrome, 212°F (100°C) max	17390-0000LF	1	\$51.0
8-B: DUAL CHECK BACKFLOW F	DEVENTEDS		
BF SERIES - LEAD FREE DUAL CHECK BACKFLOW PREVENTER (ASSE 10			
3/4" BF1, Dual Check, FNPT Union Inlet & FNPT Outlet	BF13434	1	\$53.0
3/4" BF1, Dual Check, SharkBite Inlet & Outlet	BF13434SB	1	\$59.0
1" BF1, Dual Check, FNPT Union Inlet & FNPT Outlet	BF10101	1	\$63.0
1" BF1, Dual Check, SharkBite Inlet & Outlet	BF10101SB	1	\$69.0
1" X 3/4" BF5, Dual Check, Meter Swivel Nut Inlet, FNPT Outlet	BF5M0134	1	\$59.0
l" X 3/4" BF5, Dual Check, Meter Swivel Nut Inlet, SharkBite Outlet	BF5M0134SB	1	\$65.0
I-1/4" x 1" BF5, Dual Check, Meter Swivel Nut Inlet, FNPT Outlet	BF5M1401	1	\$67.0
I-1/4" X 1" BF5, Dual Check, Meter Swivel Nut Inlet, SharkBite Outlet	BF5M1401SB	1	\$74.0
BF SERIES - NON-POTABLE DUAL CHECK BACKFLOW PREVENTER* (A	SSE 1024 & CSA B64.6)		
3/4" BF1, Dual Check, Threaded Union Inlet	17217-0000	1	\$46.5
1" BF1, Dual Check, Threaded Union Inlet	17218-0000	1	\$46.5





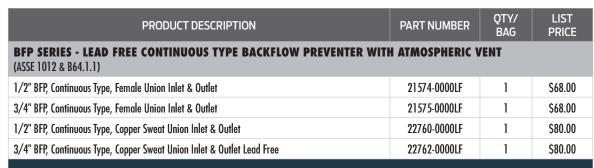














### SECTION 9: CASH ACME GENERAL PLUMBING & **HEATING PRODUCTS**



9-A: PLUMBING PRODUCTS				
WASHING MACHINE SHUT-OFF VALVES				
1/2" WM-1 Male Threaded (Non-Potable)	16962-0000	1	\$42.00	
1/2" WM-2 Copper Sweat (Non-Potable)	17087-0000	1	\$42.00	

9-B: HEATING PRODUCTS

NON-POTABLE A SERIES BOILER FEED VALVES (AB-40 & A-43 BRONZE BODY, A-89 IRON BODY)



1/2" A-89DU, Double for Water

**NON-POTABLE BFAC** 

3/4" A-41 Boiler Feed Valves	23099-0012	1	\$65.00
1/2" AB-40 Combo Union, In-Built Bypass	12214-0014	1	\$130.00
1/2" A-89 NPT	25082-0014	1	\$65.00
1/2" A-89C, Sweat	25083-0014	1	\$120.00
1/2" A-89 Direct SharkBite	25521Z	1	\$84.00
1/2" A-89U, Single for Water	25084-0014	1	\$95.00





\$102.00

\$84.00

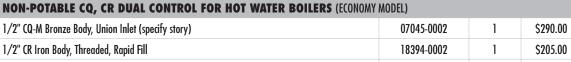
\$28.00

25085-0014

24077

24083











NON-POTABLE AP SERIES AIR PURGERS*			
2" Air Separator	24082	1	\$245.00
1-1/2" Air Separator	24081	1	\$138.00
1-1/4" Air Separator	24080	1	\$154.00
1" Air Separator	24079	1	\$126.00

3.1/4   A+ D	04004	,	600.00
1-1/4" Air Purger	24084	I	\$28.00
2-1/2" Air Purger	24087	1	\$180.00
NON-POTABLE AP SERIES AIR VENTS			
1/8" Air Vent, Brass	24090	1	\$9.20
1/4" Air Vent, Brass	24091	1	\$9.20

1" Air Purger

1/2" Air Separator

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# FREQUENTLY ASKED QUESTIONS

### FOR USING SHARKBITE FITTINGS

# CAN I USE SHARKBITE FOR ANYTHING OTHER THAN POTABLE WATER?

Yes, in addition to potable water applications, SharkBite is also certified for radiant hydronic heating applications (up to 200°F). NOTE: Glycol mixture for hydronics is acceptable up to and including 100%.

#### CAN SHARKBITE BE USED REPEATEDLY?

Fittings can be reused for testing purposes but any fitting used repeatedly for testing must not then be used in a permanent position. The de-mount function of the fitting is designed for rectifying issues during installation or modification to existing plumbing work. It is not designed to be disconnected on a daily or weekly basis.

# DO YOU NEED THE DISCONNECT CLIP TO REMOVE SHARKBITE FITTINGS?

Yes, the SharkBite disconnect clip or tongs are required to properly remove fittings in the SharkBite range.

### WHAT TYPES OF PIPE MATERIAL CAN SHARKBITE FITTINGS BE USED WITH?

SharkBite fittings are certified for use with copper, PEX, CPVC and PE-RT only. Specific fittings for polybutylene and PVC are available on pages 6-7.

#### CAN A SHARKBITE FITTING BE ROTATED ON A PIPE?

Yes, the fitting can be rotated after assembly on a pipe and will not affect the integrity of the joint.

#### ARE SHARKBITE FITTINGS APPROVED FOR UNDERGROUND USE?

Fittings should be wrapped with an impervious material, chloridefree tape or tightly wrapped and sealed insulation to prevent direct contact with the backfill. Backfill should be free of rocks, debris or any sharp objects that may cause damage through impact or abrasion. NOTE: As with any plumbing project subject to inspection, it is always important to reference your local plumbing code.

# WHAT IS THE DIFFERENCE BETWEEN RED, WHITE, BLUE, AND ORANGE COLORED PEX PIPE?

Red, White, and Blue PEX pipe are exactly the same, the different colors allow you to identify individual lines such as hot and cold. All three colors are certified for potable water applications while the Orange pipe is an oxygen barrier PEX pipe used for hydronic heating applications.

# WHAT ARE THE MAXIMUM TEMPERATURE AND PRESSURE RATINGS FOR SHARKBITE FITTINGS?

SharkBite fittings are certified to 200 psi and 200°F (93°C).

# HOW WELL DO SHARKBITE JOINTS HOLD UP TO FREEZING TEMPERATURES?

Neither brass nor metal fittings should be subject to freezing temperatures – SharkBite push-to-connect and Barb fittings are no different. Freezing temperatures may cause SharkBite fittings to fail.

#### DO SHARKBITE FITTINGS LEAK?

In general, SharkBite fittings only leak due to one of three reasons:

- 1. The pipe was not properly deburred prior to installation.
- 2. The pipe was not properly inserted.
- 3. Damages, marks or debris on the OD of the pipe.

### IS THE STIFFENER NECESSARY FOR COPPER AND CPVC AND CAN THE STIFFENER BE REMOVED?

The stiffener is necessary for use with PEX pipe. It is not required for copper or CPVC, however it is not necessary to remove stiffener from the fitting.

#### WHAT IS THE INSERTION DEPTH FOR THE SHARKBITE FITTINGS?

Insertion depth will depend on the size of the fitting: 1/4" (3/8" OD) Pipe Insertion Depth = 3/4" 3/8" (1/2" OD) Pipe Insertion Depth = 3/4" 1/2" Pipe Insertion Depth = 7/8" 5/8" Pipe Insertion Depth = 1" 3/4" Pipe Insertion Depth = 1" 1" Pipe Insertion Depth = 1-1/4"

### WHAT IS THE INSERTION DEPTH FOR THE SHARKBITE 2XL FITTINGS?

Insertion depth will depend on the size of the fitting: 1-1/4" Pipe Insertion Depth = 2" 1-1/2" Pipe Insertion Depth = 2-1/4" 2" Pipe Insertion Depth = 2-1/2"

# HOW CLOSE CAN I SOLDER/SWEAT COPPER NEAR A SHARKBITE CONNECTION?

Do NOT solder next to SharkBite connection. If you are soldering/sweating copper pipe, solder/sweat all connections first and then make the SharkBite connections.

#### HOW DO I KNOW IF ALL CONNECTIONS ARE MADE CORRECTLY?

Always test with water or air on completion and before covering the pipe.

# WHAT STEPS SHOULD BE TAKEN FOR A PIPE THAT WILL NOT ENGAGE WITH A SHARKBITE FITTING?

If the pipe is difficult to insert or will not engage into the fitting, do not force the connection! Simply remove, and check for obstructions.

### DO SHARKBITE CONNECTIONS REQUIRE ADDITIONAL LUBRICATION?

The O-ring, a key component of the SharkBite fitting, is pre-lubricated during manufacturing and no additional lubricants need to be applied.

# **SHARKBITE**PUSH-TO-CONNECT FITTINGS

- The SharkBite push-to-connect range is made from Lead Free DZR brass and all products were converted as of October 2012.
- The standard material versions of SharkBite push-to-connect fittings are no longer in production, but we do continue to offer a small range of 5/8" fittings in standard material, specifically intended for radiant heating applications. As a running change, these fittings will be converted to Lead Free in due course.
- Our SharkBite 2XL large Diameter fittings have been Lead Free since their introduction in February 2011.

# SHARKBITE PEX/BARB FITTINGS

- Our PEX/barb range is made from Lead Free DZR brass and all products were converted as of October 2012.
- We have also implemented an extended range of engineered polymer barb fittings.



As of January 2014 a new Federal law came into effect that introduced a similar requirement across the whole country.

More information is available on our websites at: www.cashacme.com

www.sharkbite.com

In this document, products are marked "Lead Free" or "Non-Potable" as applicable.

- "Lead Free" indicates that a product is suitable for use in an application that is anticipated or intended to deliver water for human consumption.
- "Non-Potable" designates that a product is only suitable for applications that are not anticipated or intended to deliver water for human consumption.

If a product is not marked "Lead Free" or "Non-Potable" it is either:

- Not designed to come into contact with water (e.g. tools, crimp rings, pipe hangers), or
- It is a replacement part or component for a valve or piece of Original Equipment, where it is necessary for the function of that valve or equipment to use the identical specification component with which it was originally designed and certified.

\* A device is defined as Lead Free if its wetted surface has a weighted average lead content not exceeding 0.25%.



# LIMITED WARRANTY

### SHARKBITE, CASH ACME, AND HOLDRITE PRODUCTS

#### WHAT DOES THIS WARRANTY COVER?

Subject to conditions outlined in this statement, RWC (in the USA, Reliance Worldwide Corporation and in Canada, Reliance Worldwide Corporation (Canada) Inc.) warrants to owners of real property in the United States and Canada that SharkBite and Cash Acme products, when used and installed in accordance with the requirements set forth, shall be from defects in material and workmanship for the applicable Warranty Period. This Limited Warranty is in effect for installations made after January 1, 2018 and is applicable to products installed in the country in which they were purchased.

Proof of purchase is required to validate the Warranty Period. If proof of purchase is not available, the Warranty Period commencement shall default to the date of manufacture for each product. If the product suspected of a defect does not have a clear date of manufacture on it, a proof of purchase will be required

#### WHAT ARE THE CONDITIONS OF THIS WARRANTY?

1. All products must be installed in accordance with all then applicable codes, good plumbing practice, in accordance with any local, state, provincial or federal requirements, and installed in a potable water or radiant heating application unless a non-potable water service is specifically allowed for in the pertinent product literature.

2. The installer must use construction techniques compliant with then applicable codes to install the product and use the product within the design parameters specified in any installation guidelines and technical notes for the applicable system. This shall include field pressure testing prior to concealing with concrete or by other means and wrapping any brass fitting when buried. Failure to install RWC products according to manufacturer's installation instruction will void all applicable warranties and may result in severe water damage.

3. Products must at all times be used in a manner consistent with their intended use and be used in installations and environments acceptable to their material and design specifications, including not being installed in a system that may operate at temperatures or at pressures that exceed the approved ratings which can be found on the product, packaging or installation instructions.

4. Additional product specific conditions of this Limited Warranty and the Warranty Period are documented in the section entitled "HOW LONG DOES THE LIMITED WARRANTY COVERAGE LAST AND WHAT OTHER SPECIFIC CONDITIONS EXIST FOR EACH PRODUCT?". 5. Without limiting the foregoing, this Limited Warranty does not apply and you do not have a right of reimbursement if the product failure or resulting damage is caused by: (a) evidence of tampering, mishandling, neglect, abuse, accidental damage, freeze damage (it is expressly understood that failure as a result of any freezing fluids within the pipes does not constitute a defect in material or workmanship and shall not be covered by this warranty) or unauthorized modifications or repairs that cause damage to warranted products; (b) exposure to harmful, unauthorized, or unanticipated chemicals or substances or corrosive water conditions; (c) exposure to ultraviolet light; (d) faulty installation including failure to follow proper burial instructions; (e) damage from abnormal operating conditions including exposure pressures and temperatures beyond the specified operating range; (f) failure to properly test and pass common testing methods (including pressure testing) after the installation and before the product or system is put in service; (g) components not manufactured or sold by RWC; or (h) acts of nature such as earthquakes, fire, flood or lightning.

6. Although RWC provides a plumbing system to facilitate a complete installation, other manufacturers pipe and/or fittings may be installed in any given installation provided manufacturing of the pipe and/or fittings demonstrates compliance with the applicable ASTM/CSA standards, and the product has been certified by a recognized third-party testing agency. The RWC product in the given installation will continue to be covered under this Limited Warranty although limits on Warranty Period may apply. RWC will be responsible only for proven defects in material or workmanship in RWC products. Problems in products manufactured by another company should be reported to that manufacturer.

#### HOW DO YOU GET SERVICE?

In order to be eligible for service under this Limited Warranty you must return the defective product to RWC for inspection and testing within thirty (30) days after detection of alleged failure or defect occurring within applicable Warranty Period (with shipping charges prepaid) to the original place of purchase. If the alleged defect involves a connection or joint with a RWC product, the fitting must be returned with a section of the pipe still inserted. You must include the model number of the product (if available), the original date of purchase, proof of purchase and the nature of the alleged product failure or defect. Products returned without shipping charges prepaid will be refused. For questions or inquiries, in the U.S. call 1(877)700-4242 and in Canada 1(888)820-0120.

#### WHAT WILL RWC DO?

If, after inspection, we find that a product covered by this Limited Warranty has failed due to a defect in material or workmanship during the specified Warranty Period, we will repair or replace, at our sole option, free of charge, the defective product during normal working hours and through a place of business as determined by RWC.

Not withstanding anything to the contrary in this Limited Warranty, if RWC determines that any damages to the real property in which a defective product was installed were the direct result of a leak or failure caused by a defect in material or workmanship in any RWC product covered by this Limited Warranty and occurring within the first ten years after date of purchase or during the applicable Warranty Period, whichever is shorter, and if reasonable steps were taken to promptly limit or stop the effects of such leak or failure as soon as it was discovered, then RWC will reimburse the property owner for the reasonable costs of repairing or replacing such damaged real property to include flooring, drywall and painting and other real property damaged by the leak directly caused by the allegedly defective RWC product when the RWC SharkBite Connection System product was installed by a licensed professional plumbing contractor. Except as specified above or otherwise specifically authorized in writing by RWC, RWC shall not pay for any costs or expenses for transportation, relocation, labor, repairs or any other work associated with removing and/or returning failed or defective products or installing replacement products.

This shall constitute the sole and exclusive remedy for any defective product.

#### WHAT DOES THIS LIMITED WARRANTY NOT COVER?

RWC shall not be responsible for any other incidental, indirect, contingent, special or consequential damages, including without limitation, economic loss, lost profits or the cost of repairing or replacing other property which is damaged if these warranted products do not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, adverse chemical environments, or any other circumstances over which RWC has no control. This limitation applies even if RWC could have foreseen or has been advised of the possibility of these damages. This Limited Warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product. Any remaining warranty coverage may not be assigned or transferred after the period ending ten years following the installation. RWC does not guarantee or in any way warrant the integrity or workmanship of the contractor/installer.

#### MISCELLANEOUS

Some States/Provinces do not allow limitations on how long an implied warranty lasts, and some States/Provinces do not allow the exclusion or limitation of incidental or consequential damages. Therefore, the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State/Province to State/Province. You should consult applicable State/Provincial laws to determine your rights.

SO FAR AS IS CONSISTENT WITH APPLICABLE STATE/PROVINCIAL/FEDERAL LAW, THE EXPRESS WARRANTY SET FORTH HEREIN IS THE ONLY WARRANTY GIVEN BY RWC WITH RESPECT TO THE SHARKBITE® AND CASH ACME® PRODUCTS AND RWC MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

This Limited Warranty and any claims arising from breach of contract, breach of warranty, tort, or any other claim arising from sale or use of RWC's products shall be governed and construed under the laws of the State of Georgia. No action on the part of RWC under this Limited Warranty shall be construed as an admission of liability of that the product is not fit for its intended use.

# HOW LONG DOES THE LIMITED WARRANTY COVERAGE LAST AND WHAT OTHER SPECIFIC CONDITIONS EXIST FOR EACH PRODUCT?

CLASSIFICATION	PRODUCT CATEGORY	LIMITED WARRANTY PERIOD	COMMENTS		
	SharkBite Brass and Poly PEX Barb Fittings in conjunction with SharkBite PEX Pipe and SharkBite Rings/ Clamps	Twenty-Five (25) Years	SharkBite PEX Pipe Only - ASTM F876/CSA B137.5     SharkBite Copper Crimp Rings – ASTM F1807 or F2159     Stainless Steel Clamp Rings – ASTM F2098		
SharkBite Connection Systems	SharkBite EvoPEX Fittings in conjunction with SharkBite PEX Pipe	Twenty-Five (25) Years	SharkBite PEX Pipe Only - ASTM F876/CSA B137.5		
	SharkBite Universal Push-To-Connect Fittings in conjunction with SharkBite PEX Pipe	Twenty-Five (25) Years	SharkBite PEX Pipe Only - ASTM F876/CSA B137.5		
	SharkBite Universal Push-To- Connect Fittings and SharkBite Large Diameter Push-To-Connect Fittings in Application with Copper, PEX, CPVC and/or PE-RT	Twenty-Five (25) Years	Must be used with: Copper–ASTM B 88 hard drawn copper tube K, L, and M PEX–ASTM F876/CSA B137.5 CPVC–ASTM D2846 or CSA B137.6 PE-RT–ASTM F2769		
	SharkBite Universal Push-To- Connect Fittings and SharkBite Large Diameter Push-To-Connect Fittings in Application with HDPE	Five (5) Years	Must be used with: • HDPE SDR-9 ASTM D2737		
	SharkBite PEX Pipe	Twenty-Five (25) Years	If used with:  • ASSE 1061, ASTM F1807, ASTM F2098, and/or ASTM F2159 Fittings		
	SharkBite Brass PEX Barb Fittings/ Copper Manifold	Five (5) Years	If used with PEX Pipe and Clamps/Rings that conform to: PEX – ASTM F876/CSA B137.5 Copper Crimp Rings – ASTM F1807 Stainless Steel Clamp Rings – ASTM F2098		
	SharkBite Poly PEX Barb Fittings	Five (5) Years	Must be used with Non-SharkBite PEX Pipe and Clamps/ Rings that conform to: PEX – ASTM F876/CSA B137.5 Copper Crimp Rings – ASTM F2159 Stainless Steel Clamp Rings – ASTM F2098		
SharkBite, Cash Acme, and	SharkBite EvoPEX Fittings	Five (5) Years	Must be used on Non-SharkBite PEX Pipe that conform to ASTM F876/CSA B137.5		
HOLDRITE Products	SharkBite Home Run Manifolds	Ten (10) Years	Must be installed per installation instructions		
	SharkBite Tools	One (1) Year	From date of purchase; used in accordance with instructions		
	SharkBite and Cash Acme Thermostatic Mixing Valves	Five (5) Years	Must be installed per installation instructions		
	Other SharkBite and Cash Acme Valves	Two (2) Years	Must be installed per installation instructions		
	SharkBite Accessories (Ball Valves, Supply Hoses, Supply Stops, Supply Valve Box Systems, Kits, Manifolds, etc.)	Two (2) Years	Must be installed per installation instructions		
	SharkBite Quick-Connect POM Plastic Fittings	One (1) Years	Must be used with: Polyethylene, Nylon, PEX, and Soft Copper (must be round and in good condition)		
	HOLDRITE Pipe Support Products	One (1) Years	Must be installed per installation instructions		
	HOLDRITE Testrite	One (1) Years	Must be installed per installation instructions		
	HOLDRITE Hydroflame Pro	One (1) Years	Must be installed per installation instructions		

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#### Return Goods Policy

No material shall be returned without expressed written approval from RWC. All returns must be accompanied by a RGA number as assigned by RWC. Any returned item not identifiable by this number is subject to rejection of applied credit. Where credit is issued, it will be at original invoice price or current price if lower, less all applicable handling charges and restocking fees. Returns must be submitted within 30 days of original invoice unless otherwise agreed upon in writing. All returned material must be in original packaging and sellable condition.

