



## SOLDER JOINTS

- > Product Certifications
- > LEED Compliance
- > Fittings For Oxygen Systems
- > Notes

## PRICING

- > Price Lists
- > Product Brochure





### NSF CERTIFIED PRODUCTS - PUBLIC WATER SUPPLY SYSTEM COMPONENTS

These Listings were Last Updated on Monday, October 09, 2006 at 4:15 AM Eastern Time.

Please contact NSF International to confirm the status of any Listing, report errors, or make suggestions.

**Warning: NSF is concerned about fraudulent downloading and manipulation of website text.**

**If you have received this listing in hard copy, always confirm this certification/listing information by going directly to <http://www.nsf.org/Certified/PwsComponents/Listings.asp?Company=01750&Standard=061> for the latest most accurate information.**

### NSF/ANSI STANDARD 61

Drinking Water System Components - Health Effects

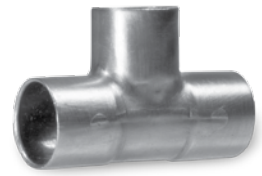
**NOTE: Unless otherwise indicated for Materials, Certification is only for the Water Contact Material shown in the Listing.**

Elkhart Products Corporation  
1255 Oak St.  
Elkhart, Indiana 46515  
800-284-4851 or 574-264-3181  
[www.elkhartproducts.com](http://www.elkhartproducts.com)

**Facility:** Elkhart, IN

**One or a combination of these suffixes can be used with each part number and have been used on the following page.**

-2	= Cup to fit	M	= Male or Medium Turn
-2-2	= Fit to Fit	MT	= Medium Turn
BH	= Bull Head	NH	= No Hub
C	= Close ruff on elbows only	NS	= No Stop
C	= Cup on all but elbows	R	= Reducer
F	= Fit or Female	RS	= Roll Stop
HE	= Heat Exchanges	T	= Test Cap
L or LT	= Long Turn		



### PIPES AND RELATED PRODUCTS

Trade Designation	Size	Water Contact Temp	Water Contact Material
<b>Fittings</b>			
100 Coupling with stop	1/8" - 8"	C. HOT	CU
101 Coupling without stop	1/8" - 8"	C. HOT	CU
101-R Reducer Coupling with stop	3/16" x 1/8" - 8" x 6"	C. HOT	CU
102 Union	1/8" - 2"	C. HOT	CU
102-F Union-Female NPT	1/4" - 3/8"	C. HOT	CU
102-M Union-Male NPT	1/4" - 3/8"	C. HOT	CU
103 Adapter-Female	1/8" - 2 1/2"	C. HOT	CU
103-2 Adapter-Female Street	1/8" - 2"	C. HOT	CU
104 Adapter-Male	1/8" - 4"	C. HOT	CU
104-2 Adapter-Male Street	1/8" - 2"	C. HOT	CU
105-C Elbow-90° Street Close Ruff	1/8" - 4"	C. HOT	CU
105-L Elbow-90° Street Long Turn	1/8" - 4"	C. HOT	CU
106 Elbow-45°	3/16" - 8"	C. HOT	CU
106-2 Elbow-45° Street	1/8" - 4"	C. HOT	CU
106-2-2 Elbow-45° Street	1/8" - 1"	C. HOT	CU
107-C Elbow-90° Street	1/8" - 8"	C. HOT	CU
107-C-2 Elbow-90° Street Close Ruff	1/8" - 4"	C. HOT	CU
107-C-5 Elbow-90° Drop Ear	1/2"	C. HOT	CU
107-C-5-1 Elbow-90° Hi-Ear	1/2"	C. HOT	CU
107-L Elbow-90° Long Turn	1/8" - 4"	C. HOT	CU
107-L-2 Elbow-90° Street Long Turn	1/8" - 4"	C. HOT	CU
107MT-10 Medium Turn Elbow	5/8"	C. HOT	CU
107MT-12 Medium Turn Elbow	3/4"	C. HOT	CU
107MT-16 Medium Turn Elbow	1"	C. HOT	CU
107MT-2 Medium Turn Elbow	1/8"	C. HOT	CU
107MT-2-10 Medium Turn Elbow	5/8"	C. HOT	CU
107MT-2-12 Medium Turn Elbow	3/4"	C. HOT	CU
107MT-2-16 Medium Turn Elbow	1"	C. HOT	CU
107MT-2-2 Medium Turn Elbow	1/8"	C. HOT	CU
107MT-2-4 Medium Turn Elbow	1/4"	C. HOT	CU
107MT-2-6 Medium Turn Elbow	3/8"	C. HOT	CU



### PIPES AND RELATED PRODUCTS (Continued)

Trade Designation	Size	Water Contact Temp	Water Contact Material
107MT-2-8 Medium Turn Elbow	1/2"	C. HOT	CU
107MT-4 Medium Turn Elbow	1/4"	C. HOT	CU
107MT-6 Medium Turn Elbow	3/8"	C. HOT	CU
107MT-8 Medium Turn Elbow	1/2"	C. HOT	CU
108 Elbow-90° Female NPT	1/2"	C. HOT	CU
110 Coupling-Eccentric	1/2" x 3/8" - 1 1/4" x 3/4"	C. HOT	CU
111 Tee	1/8" x 8"	C. HOT	CU
111-2 Street Tee	1/8" x 3/4"	C. HOT	CU
111-BH Large Outlet Tee	1/8" x 3"	C. HOT	CU
111-HE Heat Exchanger Tee	1/8" x 8"	C. HOT	CU
111-R Reducing Outlet Tee	1/8" x 8"	C. HOT	CU
111-RR Reducing Run Tee	1/8" x 8"	C. HOT	CU
116 Plug-End Fitting	3/8" - 1"	C. HOT	CU
117 Cap-Tube End	1/8" - 4"	C. HOT	CU
118 Reducer	1/4" x 1/8" - 8" x 6"	C. HOT	CU
118-HE Reducer-Heat Exchanger	1/4" x 1/8" - 8" x 6"	C. HOT	CU
119 Bushing-Flush	1/4" x 1/8" - 2" x 1 1/2"	C. HOT	CU
119-3 Bushing-Flush with NPT	1/2" x 1/4" - 1/2" x 1/8"	C. HOT	CU
121 Air Chamber Stub Out	1/2" x 6" - 1" x 18"	C. HOT	CU
122 Air Chamber	1/2" x 6" - 3/4" x 12"	C. HOT	CU
123 Trap-Suction Line P	5/8" - 2 1/8"	C. HOT	CU
136 Coupling-Cross Over	1/2" - 3/4"	C. HOT	CU
138 Return Bend	1/8" x 1" - 2" x 5 1/2"	C. HOT	CU



**PRODUCT CERTIFICATION - SOLDER, BRAZED AND THREADED COPPER  
AND COPPER ALLOY PLUMBING FITTINGS**

Elkhart Products Corporation manufactures and/or supplies products which meet the following specifications:

MSS	SP73	<u>Brazing Joints for Copper and Copper Alloy Pressure Fittings</u>
MSS	SP104	<u>Wrought Copper Solder Joint Pressure Fittings</u>
MSS	SP106	<u>Cast Copper Alloy Flanges and Flanged Fittings; Class 125, 150 and 300</u>
MSS	SP123	<u>Non-Ferrous Threaded and Solder-Joint Unions for use with Copper Water Tube</u>
MSS	SP109	<u>Welded Fabricated Copper Solder Joint Pressure Fittings</u>
ASME/ANSI	B16.29-2001:	<u>Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings – DWV</u>
ASME/ANSI	B16.18-2001:	<u>Cast Copper Alloy Solder Joint Pressure Fittings</u>
ASME/ANSI	B16.15-1994:	<u>Cast Bronze Threaded Fittings</u>
ASME/ANSI	B16.26-1988:	<u>Cast Copper Alloy Fittings for Flared Copper Tube</u>
ASME/ANSI	B16.23-2002:	<u>Cast Copper Alloy Solder Joint Drainage Fittings – DWV</u>
ASME/ANSI	B16.24-2001:	<u>Bronze Pipe Flanges and Flanged Fittings</u>

EPC's wrought copper solder joint fittings also are manufactured to comply with the material, performance, and installation/joining dimensions of ASME/ANSI B16.22. These fittings are also compliant with the European Union's RoHS (Restrictions of Hazardous Substances) Directive, 2002/95/EC.

The materials used to manufacture these fittings are also in compliance with the following specifications:

Tubular Wrought Copper: ASTM B75 Alloy C12200,	<u>Standard specification for Seamless Copper Tube, or</u>
Products Made From Sheet: ASTM B152 Alloy C11000,	<u>Standard Specification for Copper Sheet, Strip, Plate and Rolled Bar</u>
Cast Products: ASTM B584 Alloy C84400,	<u>Standard Specification for Copper Alloy Sand Castings for General Applications; Federal Specification WW-U-516 For Type III, Class A and B Copper Alloy Unions</u>

**ELKHART PRODUCTS CORPORATION**  
Plumbing Division

Dana Buccicone  
Director of Technology

State of Massachusetts product approval  
Number P1-0698-46, granted 6/3/98.

Subscribed and sworn to before me

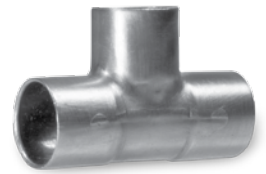
On this 24<sup>th</sup> day of July 2006

Vicki A. Vergon  
NOTARY PUBLIC

VICKI A. VERGON  
NOTARY PUBLIC STATE OF INDIANA  
ST. JOSEPH COUNTY  
MY COMMISSION EXP. FEB. 28, 2007

1255 Oak Street • PO. Box 1008 • Elkhart, Indiana 46515 • Tel: 574/264-3181 • Fax: 574/264-4835  
www.ElkhartProducts.com





### **RECYCLED MATERIAL FOR “LEED” COMPLIANCE Green Building Rating System**

“Each year in the United States, nearly as much copper is recovered from recycled material as is derived from newly mined ore. Excluding wire production, more than three-fourths (¾) of the amount used by copper and brass mills, ingot makers, foundries, powder metal plants and other industries comes from recycled scrap copper.”

“Almost half of all recycled copper scrap is old post consumer scrap, such as discarded electric cable, automobile radiators and air conditioners.”

**Elkhart Products Corporation subscribes to the above facts and encourages its suppliers to do the same.**

The copper tubing and rod used to produce all E.P.C. copper fittings is manufactured from copper cathode which in turn is made up from twenty-five (25) percent post consumer scrap as described above. Another fifty (50) percent is post industrial scrap (turnings, shavings and chips).

Dennis Thompson

Staff Engineer  
Elkhart Products Corp.



### WROUGHT FITTINGS FOR OXYGEN SYSTEMS

Elkhart Products Corporation supplies "cleaned and bagged" wrought copper fittings for use in oxygen systems. The objective is to be certain the fittings are free of petroleum based contaminants and remain that way until they reach the job site.

Only water based cleaners are used.

Cleaning is done in two steps:

**Step 1:** Clean using automated vibratory burnishing or a combination of rotary drum and vibratory burnishing systems.

**Step 2:** Cleaned parts from Step 1 are then cleaned again in the oxygen cleaning line. This is a computer controlled return hoist system.

Parts are thoroughly rinsed in clear water and dipped into an inhibitor solution. This is an aromatic organic compound which forms a monomolecular film to prevent tarnishing during storage.

Cleaning is done to standards set forth in NFPA 99 and CGA G-4.1.

Ongoing visual tests assure that no contaminants are on the fittings when they are packaged.

**ELKHART PRODUCTS CORPORATION**  
Plumbing Division

Dana Buccicone  
Director of Technology

Subscribed and sworn to before me

On this 27 day of April 2006

Vicki A. Vergon  
NOTARY PUBLIC

VICKI A VERGON  
NOTARY PUBLIC STATE OF INDIANA  
ST. JOSEPH COUNTY  
MY COMMISSION EXP. FEB. 28, 2007

