



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

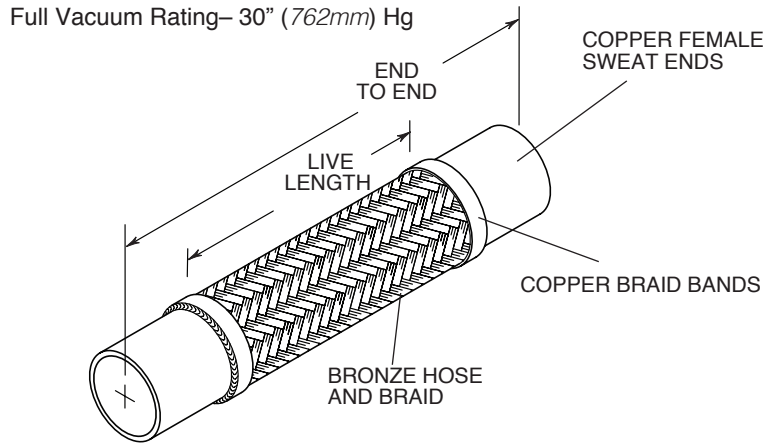
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JOB NAME _____
CUSTOMER _____
CUSTOMER P.O. _____
MASON M. _____
DWG No. _____

CPSB-UL

BRONZE BRAIDED
HOSE with COPPER
SWEAT ENDS for
SPRINKLER and FIRE
PROTECTION SYSTEMS



Conforms to UL and NFPA Approved Temperature Range.



FLEXIBLE JOINT FITTINGS
3VX9



NFPA 13

These flexible joint fitting assemblies are UL Listed under File EX15750 and are intended for installation in accordance with the Mason installation instructions and the applicable requirements in NFPA 13.

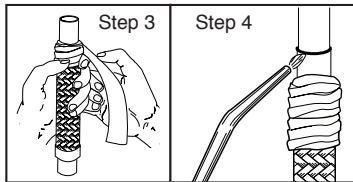
Mason Industries ensures for all UL Listed Products:

1. All hose dimensions meet our specifications and dimensions as tabulated.
2. Each assembly is pressure tested using Nitrogen Gas for 1 minute at 1¹/₂ times the rated working pressure with no leaks.
3. A metal tag is attached which shows the UL Mark and Identification Number, our name, the location (US), and the Part Number with the approval date (month and year).
4. Two product stickers which show the UL Mark and Identification Number are on each shipping crate.

When using CPSB-UL products in stainless steel or carbon water systems, dielectric unions must be used on each end to prevent leakage from galvanic action.

INSTALLATION:

1. Thoroughly clean male and female ends using steel wool and steel brushes.
2. Apply flux.
3. Wrap base of copper fitting on connector and 2" (50mm) of the braid with a wet cloth to prevent overheating during soldering.
4. Direct the torch away from the base of the copper fitting and braided section. Avoid contact of the flame with the base of the copper fitting and braid. Heat end of copper fitting for proper flow of silver solder. Silver solder flows at approximately 430°F (221°C).
5. Use caution with brazing rod or other higher temperature techniques. Overheating will cause leaks.
6. Remove wet cloth and remove all soldering flux immediately after installation. Flux chlorides will cause premature failure of joint.



CPSB-UL DIMENSIONS AND PRESSURE RATINGS (American Units)

Type	Tubing Size & End to End (in)	Live Length (in)	Corrugations per foot	Maximum Permanent Lateral Offset(in)	Rated Pressure @70°F (psi)
CPSB-UL	3/4 X 12	73/4	67	3/4	175
CPSB-UL	3/4 X 18	133/4	67	21/2	175
CPSB-UL	1 X 12	73/8	58	5/8	175
CPSB-UL	1 X 18	133/8	58	21/4	175
CPSB-UL	1 1/4 X 12	71/4	55	1/2	175
CPSB-UL	1 1/4 X 18	131/4	55	13/4	175
CPSB-UL	1 1/2 X 12	7	53	1/2	175
CPSB-UL	1 1/2 X 18	13	53	11/2	175
CPSB-UL	2 X 12	61/2	51	1/4	175
CPSB-UL	2 X 18	121/2	51	13/8	175
CPSB-UL	2 1/2 X 18	103/4	34	7/8	175
CPSB-UL	3 X 18	101/2	30	3/4	175
CPSB-UL	4 X 18	91/2	28	1/2	175
CPSB-UL	4 X 24	151/2	28	11/4	175

CPSB-UL DIMENSIONS AND PRESSURE RATINGS (Metric Units)

Type	Tubing Size & End to End (mm)	Live Length (mm)	Corrugations per meter	Maximum Permanent Lateral Offset(mm)	Rated Pressure @21°C (kg/cm ²)
CPSB-UL	20 X 305	197	220	19	12
CPSB-UL	20 X 457	349	220	64	12
CPSB-UL	25 X 305	187	190	16	12
CPSB-UL	25 X 457	340	190	57	12
CPSB-UL	32 X 305	184	180	13	12
CPSB-UL	32 X 457	337	180	44	12
CPSB-UL	40 X 305	178	174	13	12
CPSB-UL	40 X 457	330	174	38	12
CPSB-UL	50 X 305	165	167	6	12
CPSB-UL	50 X 457	318	167	35	12
CPSB-UL	65 X 457	273	112	22	12
CPSB-UL	80 X 457	267	98	19	12
CPSB-UL	100 X 457	241	92	32	12
CPSB-UL	100 X 610	394	92	102	12

End to End Tolerance: minus 1% plus 3%. Minimum Burst is four times the Rated Pressure. Safety factor of 4.
Female end fits over copper tubing, e.g. 3/4 x 12 (19 x 300mm) fits over 1/2" (15mm) tubing.
Lateral Offset one side of centerline and normal machinery vibration. If intermittent in both directions, reduce by 50%.

QTY	SIZE	TAG

QTY	SIZE	TAG