



MASON INDUSTRIES, Inc.

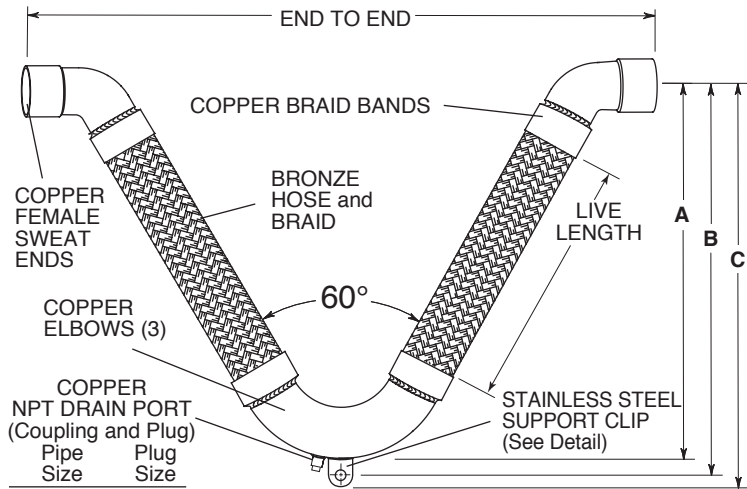
MERCER RUBBER Co.

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

VCPSB
 BRONZE BRAIDED
 60Vee HOSE with
 COPPER FEMALE
 SWEAT ENDS

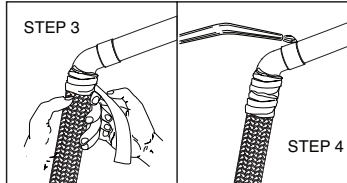


STAINLESS STEEL SUPPORT CLIP			
Pipe Size (in) (mm)	Hole Diameter (in) (mm)	Thickness (in) (mm)	
1/2 13	1/2 13	1/8 3	3
3/4 20	1/2 13	1/8 3	3
1 25	1/2 13	1/8 3	3
1 1/4 32	1/2 13	1/8 3	3
1 1/2 40	1/2 13	1/8 3	3
2 50	5/8 16	1/8 3	3
2 1/2 65	5/8 16	1/8 3	3
3 80	3/4 19	1/8 3	3
4 100	3/4 19	1/8 3	3

Drain Plugs are often removed to allow attachment of drain hose or steam trap for blow down or drainage.

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.



RATED PRESSURES @ ELEVATED TEMPERATURES (psi) (kg/cm²)

Hose Size (in) (mm)	150°F	300°F	400°F
	66°C Factor 0.92	149°C Factor 0.83	204°C Factor 0.78
1/2 15	460 32	415 29	390 27
3/4 20	432 30	390 27	367 25
1 25	414 29	373 26	351 24
1 1/4 32	368 25	332 23	312 22
1 1/2 40	308 21	278 19	261 18
2 50	216 15	195 13	183 13
2 1/2 65	212 15	191 13	179 12
3 80	207 14	187 12	175 12
4 100	202 14	183 12	172 12

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

RATED MOVEMENTS

±4" (100mm) All Directional Seismic Movement
 ±6" (150mm) Guided Thermal Movement Only

Full Vacuum Rating- 30" (762mm) Hg

VCPSB DIMENSIONS AND PRESSURE RATINGS (American Units)

Type	Tubing Size & End to End (in)	Live Length (in)	Corrugations per foot	A (in)	B (in)	C (in)	Rated Pressure @70°F (psi)
VCPSB	1/2x211/2	14	73	15	157/8	163/8	500
VCPSB	3/4x215/8	15	67	153/4	161/2	17	470
VCPSB	1x243/8	16	58	17	177/8	183/8	450
VCPSB	1 1/4x263/4	17	55	183/8	191/8	195/8	400
VCPSB	1 1/2x301/8	19	53	205/8	213/8	217/8	335
VCPSB	2x343/8	20	51	221/2	231/2	241/8	235
VCPSB	2 1/2x40	22	34	257/8	263/4	273/8	230
VCPSB	3x45	24	30	285/8	297/8	303/4	225
VCPSB	4x531/8	26	28	323/8	335/8	341/2	220

VCPSB DIMENSIONS AND PRESSURE RATINGS (Metric Units)

Type	Tubing Size & End to End (mm)	Live Length (mm)	Corrugations per meter	A (mm)	B (mm)	C (mm)	Rated Pressure @21°C (kg/cm²)
VCPSB	15x546	356	240	381	403	416	34
VCPSB	20x549	381	220	400	419	432	32
VCPSB	25x594	406	190	432	454	468	31
VCPSB	32x679	432	180	467	486	498	28
VCPSB	40x765	483	174	524	543	556	23
VCPSB	50x873	508	167	572	597	613	16
VCPSB	65x1016	559	112	657	679	695	16
VCPSB	80x1143	610	98	727	759	781	15
VCPSB	100x1349	660	92	822	854	876	15

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. 1/2 x 211/2" (15 x 546mm) fits over 1/2" (15mm) tubing.

QTY	SIZE	TAG

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