

**ASSEMBLY MATERIALS:**

**HOSE/BRAID: BRONZE**

(SERIES 300 STAINLESS STEEL IN  
SIZES 2-1/2" AND LARGER)

**ENDS: COPPER SWEAT ENDS**

**U.L. RECOGNIZED THROUGH 3-1/8" O.D.**

**UNITS ARE CLEANED, DEHYDRATED AND SEALED IN  
POLYETHYLENE BAGS**

QTY	PART #	SIZE	TO FIT COPPER TUBE		OAL	MAXIMUM WORKING PRESSURE (PSIG)	APPROXIMATE WEIGHT (LBS.)
			NOMINAL SIZE	ACTUAL O.D.			
	412-2	1/4"	1/8"	1/4"	7-1/2"	450	0.19
	412-3	3/8"	1/4"	3/8"	8-1/4"	450	0.25
	412-4	3/8"	3/8"	1/2"	9"	450	0.31
	412-5	1/2"	1/2"	5/8"	9-3/4"	450	0.44
	412-6	1/2"	5/8"	3/4"	10"	450	0.50
	412-7	3/4"	5/8"	3/4"	11-1/4"	440	1.00
	412-8	3/4"	3/4"	7/8"	11-1/2"	440	1.06
	412-9	1"	1"	1-1/8"	13"	400	1.50
	412-10	1-1/4"	1-1/4"	1-3/8"	14-3/4"	480	2.12
	412-11	1-1/2"	1-1/2"	1-5/8"	17"	420	3.41
	412-12	2"	2"	2-1/8"	20"	190	5.53
	412-13	2-1/2"	2-1/2"	2-5/8"	24"	300	8.50


**NOTES REGARDING FIELD INSTALLATION:**

(1) FIELD CONNECTIONS USING A BRAZING OR SWEATING PROCESS SHOULD NOT USE FLUX THAT IS CHLORINATED. FLUX THAT IS RESIDUAL ON THE INTERIOR OR EXTERIOR OF A HOSE THAT IS CHLORINATED WILL CORRODE AND CAUSE PREMATURE FAILURE OF THE STAINLESS STEEL AND VOID ANY WARRANTY. (2) THE FIELD INSTALLATION OF THE CONNECTORS WILL REQUIRE THE USE OF A HEAT SINK MATERIAL TO ABSORB TRANSIENT HEAT THAT COULD DECOUPLE THE FITTINGS FROM THE HOSE. FAILURE TO PROVIDE ADEQUATE HEAT CONTROL DURING INSTALLATION WILL CAUSE IRREPARABLE DAMAGE AND VOID WARRANTY.

CUSTOMER: \_\_\_\_\_

PROJECT: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

0	RELEASED	02/18	BC
REV	DESCRIPTION	DATE	APPROVED
REVISION HISTORY			
			
8040 N.E. 33rd Dr Portland, OR 97211 Ph: 503.281.4673, Fax 503.281.5845			
<b>UNISOURCE SERIES 412</b> BRONZE BRAIDED VIBRATION ABSORBER			
DRAWN BY: SG		DATE: 02/19/18	
DWG NO: 412.idw			SCALE: NONE