

Vibration Absorber - Installation Guideline

Install as close as possible to the source of vibration (e.g., compressor).

1

Must be installed in a straight and neutral position - do not twist, compress, or elongate.

2

Avoid tension or bending – the absorber must not support the piping.

3

To prevent moisture from entering the accumulator while in transit and storage, ensure it is charged with positive nitrogen pressure. Open only when ready to use.

4

Install horizontally or vertically as required, but ensure alignment with the piping system.

5

The braided section must remain straight during operation.

6

Clean the mating parts with cleaning pad or special wire brush.

7

Apply flux to the male connection after cleaning operation.

8

Preferably use oxygen-acetylene brazing equipment and a torch capable to increase temperature to the required value as soon as possible.

9

Wrap a wet cloth over ball valve. It must cover the existing brazed tubes on the body and spindle.

10

Use copper or high silver brazing Rod as required.

11

Ball Valve Connection	Mating Part	Recommended Harris Make Brazing Alloy or Equivalent.
Copper	Copper	Most common used is Harris-0. For higher vibration joints you may use Harris - Stay-Silv 2/ Stay-Silv 15 / Dynaflo.
Copper	Steel	Stay-Silv 25

12 Use Brazing Flux as required

Frame direction should be opposite to the valve body. Do not touch the frame of the torch directly to the copper tube. Heat the tube by turning the torch around. Do not focus on one point.

13

After brazing one side, allow it cool. Pour cold water onto the cloth to cool it further. Then apply the above listed steps again for the other side.

14

Technical Properties

Nominal Pressure : 45 bar

Temperature Range : -40°C to +150°C

Body Material : Forge brass
(EN 12420, EN 12165, CW617N)

Tube Material : Copper (EN 12735-1)

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For Flare Connection

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Nominal diameter	Outer diameter (mm)	Tightening torque N.m (kgf.cm)
1/4"	6.35	14 to 18 (140 to 180)
3/8"	9.52	33 to 42 (330 to 420)
1/2"	12.70	50 to 62 (500 to 620)

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