

**WVU DESIGN GUIDELINES & CONSTRUCTION STANDARDS**  
**DIVISION 23 – HEATING, VENTILATION, AND AIR CONDITIONING**

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**SECTION 232300 - REFRIGERANT PIPING**

**PART 1 - GENERAL**

- 1.1 Any deviance from the following instructions must be approved during design by WVU Facilities Management project manager.

**PART 2 - PRODUCTS**

- 2.1 Pipes and tubes: Only type ACR copper shall be used. Depending on the situation either annealed or hard drawn may be used. When the refrigerant line is in a visible location only hard drawn shall be used.
- 2.2 Fittings: ASME B16.22, wrought-copper.

**PART 3 – EXECUTION**

- 3.1 Double suction risers shall be employed on systems with capacity reduction and where required by lift.
- 3.2 Joints shall be made by brazing.

END OF SECTION 232300