Copper-Nickel Flanges

Solid Copper-Nickel Flanges, Classes 150, 250, & 300

- 90-10 and 70-30 copper nickel flanges are available in sizes \( \frac{1}{2}'' \) nominal and larger.
- Flanges can be supplied as slip-on, threaded, socket welding, weld neck, or blind.
- Silver-brazing flange ends comply dimensionally with MIL-F-1183 and can be finished as a face fed socket without a groove, or a grooved socket for use with a pre-inserted silver-brazing ring. Rings are ordered and supplied separately.
- Flanges may be ordered manufactured from material conforming to the requirements of MIL-C-15726F, ASTM B 151 or B 171.
- Alloys 90-10 (UNS C70600) and 70-30 (UNS C71500).

Special Copper-Nickel Flanges, Classes 150, 250 and 300

- These special flanges offer an economical alternative to the solid copper-nickel flanges listed above and are normally available in sizes 2'' nominal and larger.
- Overlay slip-on flanges utilize a forged steel slip-on flange which is weld overlayed with copper-nickel material on the gasket and wetted surfaces. Normally supplied flat face.
- Composite flange sets are generally used instead of weld neck flanges when butt welding to a pipe or fitting is necessary but a loose backing flange is desired for ease of installation. Backing flanges are usually steel.
- Clad blind flanges utilize a forged steel blind flange which is clad with copper-nickel material on the wetted surfaces.
- Alaskan also stocks a complete line of MSS and ANSI style stainless steel flanges and can manufacture flanges to special dimensions, specifications and alloys.