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| Version | Date | Description of Revisions |
| 1 | August 30, 2006 | Approved final document. |
| 2 | March 15, 2011 | Minor changes from Legal |
| 3 | August 18, 2014 | First draft review comments (AV) |
| 4 | June 8, 2015 | Second Draft for Review (AV) |
| **5** | **September 16, 2015** | **Updated, Finalized Specification – Reference eDOCS #5823669-v4 (AV)** |
| 6 | May 25, 2017 | Updated references to standards ASME B16.15-2013, ASME B16.22-2013, ASME B16.24-2016, ASTM A307-14e1, ASTM A320/A320M-17a, ASTM A563-15, ASTM B43-15, ASTM B61-15, ASTM B62-17 **(AAM)** |
| 7 | August 16, 2017 | Removal of listed products (CPD, OMM) |

NOTE:

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**Notice:** This Document hardcopy must be used for reference purpose only.

**The on-line copy is the current version of the document.**

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| Item | Description |
| Pipe | Oxygen Service: Red brass, seamless, standard wall thickness, conforming to the requirements of ASTM B43-15. |
| Tubing | Seamless, conforming to the requirements of ASTM B88-14 as follows:  Oxygen service Type K, hard drawn  No. 1 water (buried) Type K, soft or hard temper  No. 1 water (exposed) Type L, hard drawn  Domestic hot water Type L, hard drawn  Compressed air service Type L, hard drawn  Laboratory air service Type L, hard drawn  Laboratory vacuum service Type L, hard drawn  Refrigerant service Type L, hard drawn  P-Trap priming service Type L, soft temper  Sample line service Type L, hard drawn  Laboratory gas service Type L, hard drawn |
| Fittings | Oxygen Service: Bronze, screwed, 1725 kPag conforming to the requirements of ASTM B62-17, dimensions conforming to the requirements of ASME B16.15-2013 or wrought copper, socket joint, conforming to the requirements of ASTM B75/B75M-11, dimensions conforming to the requirements of ASME B16.22-2013.  Other Services: Commercially pure wrought copper, socket joint, conforming to ASTM B75/B75M-11, dimensions conforming to ASME B16.22-2013. |
| Flanges | Oxygen Service: Bronze, screwed, conforming to the requirements of ASTM B61-15, faced and drilled Class 150 ASME B16.24-2016 standard.  Other Services: Commercially pure wrought copper, socket joint, conforming to the requirements of ASTM B75/B75M-11, faced and drilled Class 150 ASME B16.24-2016 standard. |
| Bolting | Oxygen Service: ASTM A320/A320M-17a, stainless steel Type 304, Grade B8 bolts with copper silicon hex nuts conforming to the requirements of ASTM B98/B98M-13 Grade A hard.  Other Services: ASTM A307-14e1, carbon steel, Grade A hex head bolts and ASTM A563-15 Grade A hex head nuts. |
| Gaskets | 1.5 mm thick non-asbestos compression type, full face. |
| Solder | Oxygen Service: Silver brazing alloy, 15 percent silver content, 640 degrees Celsius to 705 degrees Celsius melting range, conforming to the requirements of AWS A5.8M/A5.8:2011 and amendments AMD 1.  Other Services: 95-5 wire solder (95 percent tin, 5 percent antimony), conforming to the requirements of ASTM B32-08(2014) Grade 95TA. Do not use cored solder. |

**END OF SECTION**