

TECHNICAL INFORMATION

ASME BPE Specification

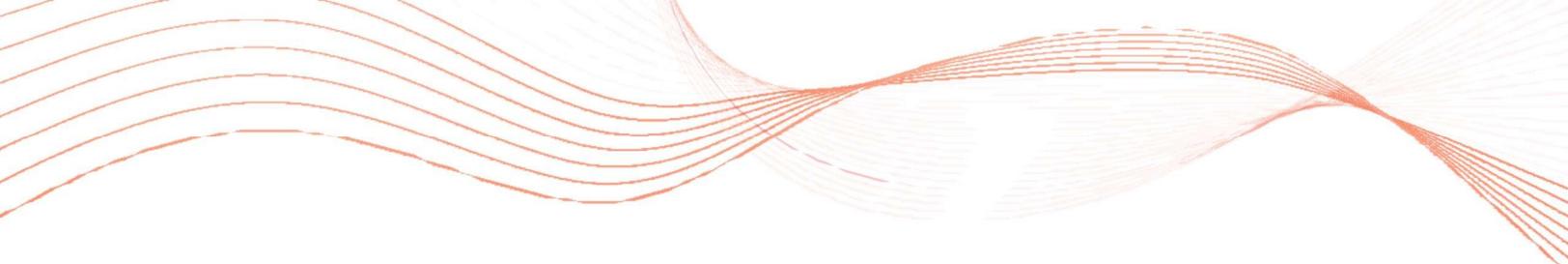
If you call Tri-Canada to speak with a customer service representative and ask for a 316 stainless steel fitting, you'll likely be asked "Do you require BPE compliant fittings?" This Tri-Canada TECH INFO article will try to explain what BPE is and how specifying BPE-certified fittings and tubing will help you maintain high Quality Assurance standards.

ASME BPE is an abbreviation for American Society of Mechanical Engineers – Bio-Processing Equipment Standards.

The ASME BPE Standards Committee is a collection of the both manufacturers and end users that set out to develop a guideline to cover the design, materials, construction, inspection, and testing of Bio-Processing equipment.

The BPE standards committee is broken down into a series of subcommittees that allow industry experts to collaborate and utilize their expertise to develop a comprehensive approach to all aspects of Bio-Processing equipment the subcommittees are:

- General Requirements
- Systems Design
- Dimensions and tolerances for Process Components
- Material joining
- Process Contact Surface Finishes
- Sealing Components
- Polymeric and Other Non-Metallic Materials
- Metallic Materials
- Certification
- Process instrumentation



As new types of technology come to market, additional subcommittees are developed to address them. Updated standards are published bi-annually. The most recent revision to the standard, published in 2014, covers new topics ranging from hygienic supports to weld discoloration acceptance criteria and dynamic seal performance.

The Standard developed by the ASME for Bio-Processing equipment is the leading standard used to design and build equipment for the bioprocessing market. The Standard incorporates current best practices that help equipment manufacturers and end users alike, maximize product purity and safety. By developing a standard, the ASME has allowed companies to improve communication and become more efficient, which results in lower development and manufacturing costs.

To conclude, the question is not so much as to who is the BPE, but what is it. The ASME BPE is a standard developed by ASME members specifically for Bio-Processing equipment for Bio-Pharm companies. If you should ever have questions regarding ASME BPE compliant equipment please contact us via our website.