

PN4 series SANITARY LINES



Applications

In pharmaceutical industry, installed device in sanitary lines should be easily cleanable and must not generate any contamination or moisture.

MECA-INOX solution

The PN4 series and its variants are important elements of the GMP/BPE quality system. They comply with the standard ASME/BPE 2007 regulation.

BPE : Bio Processing Equipment
GMP : Good Manufacturing Practices

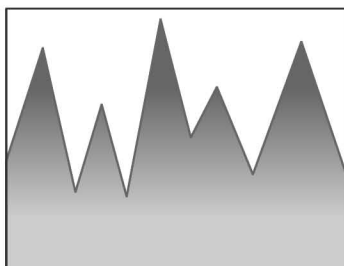


Material conformity and traceability

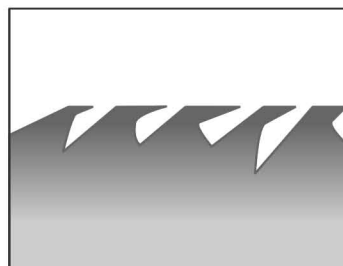
- The polymers used as sealing materials are approved by the FDA.
- All material certificates are supplied with CCPU / MTR (Mill Test Report) supplier traceability.
- All the internal components carry specific marking.

Wet part polishing to meet every requirement

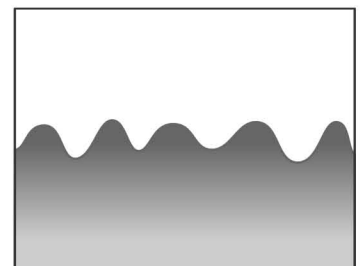
- Easier cleaning, reduced any material or bacterial sticking, decrease microbial germination risk
- Mechanical or electrolytic: Standard roughness of Ra 0.4 µm (optional 0.25 µm)
- Complies with surface specification according to applicable standards such as ASME BPE 2007 (SF1 to SF6)



Rough surface



Mechanical polished surface



Electropolished surface



A cleanable valve

Fully clean & degreased, PN4 series are packed in individual plastic bag

Version with readily cleanable outer surfaces available.

Multiple set of connections



Orbital welding



Tri-clamp

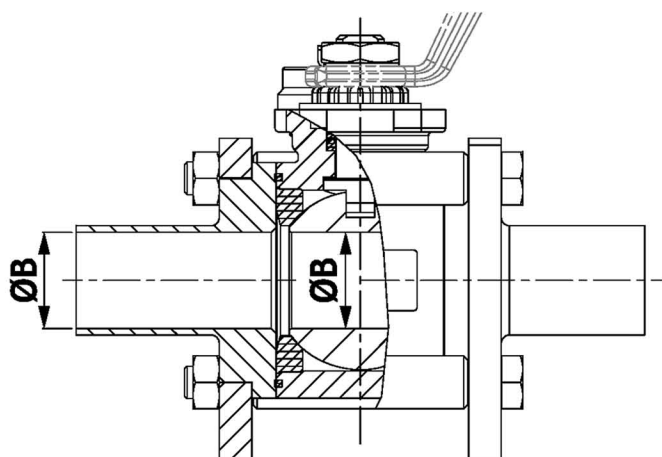


Compression fittings
(diameter <1")

APP

Welding without any corrosion risk

On request, connections are available in a controlled ferrite content stainless steel (1.4435). They guarantee welding without "rouging" risk (reddish traces of iron oxides). This surface corrosion appears on many types of stainless steel as the local temperature increases while welding (in particular when using the TIG method).



« true bore » port:

"True bore" or full bore guarantees no dead leg between the pipe, the fittings and the ball, thus making it easier to clean. This design is also suitable for pigging system.

Actuation compatible with facilities cleaning

A CNI pneumatic actuators (chromium-nickel coated) withstand to aggressive environments and frequent cleaning operations

