

How does Titan meet NACE requirements?

Titan provides NACE compliant cast strainers and valves and can provide NACE Certificates of Conformance if required. If the customer's requirements deviate from NACE standards, then they take precedence.

Materials

Most cast items can be provided with NACE Certificates of Conformance if required, excluding cast iron products, which cannot be used for pressure retaining parts.

Titan uses fasteners that comply with NACE hardness standards unless specified otherwise by the customer.

Procedures

Titan employs NACE welding procedures in accordance with material specifications for Casting Weld Repairs and adding fittings to cast products.

Quality Control

When the customer requires a NACE compliant product, the QC Manager verifies conformance and signs the COC.



TITAN[®]

Titan Flow Control

WHAT IS AMPP?

& How does it relate to NACE?

What are AMPP and NACE?

NACE International was a technical society concerned with preventing the effects of corrosion. In June 2021, NACE Standards Programs and SSPC (Society for Protective Coatings) merged to become AMPP (Association for Materials Protection and Performance).

NACE codes MR0175 and MR0103, still in use after the merger, sets standards for corrosion prevention and resistance. These guidelines include material selection, design specifications, and testing requirements to prevent problems related to corrosion.

Why are they important?

Producers such as Titan are often required to supply valves that conform to NACE standards in order to ensure safety and minimize corrosion problems in various applications.



TITAN[®]

Titan Flow Control

NACE MR0175 / MR0103

Titan's Capabilities and
Conformance

Quality Control

Certificate of Compliance to State:

**"Body, Cover, and required
Hardware conform to NACE
MR0175-2015."**

Or

**"Body, Cover, and required
Hardware conform to NACE
MR0103-2015."**

Clerk will compile MTRs and prepare
COC. QC manager signs when
complete.

Welding

If Welding is required, consult with
Engineering for assistance.

Casting Weld Repairs must be
performed in accordance with
material specifications.

Added fittings must use qualified weld
procedures.

NACE MR0175: Qualified weld
procedures allow for conformance
without post-weld heat treatment.

NACE MR0103: Requires post-weld
heat treatment to conform.

Castings

Carbon and Stainless Steel items can be
provided with a NACE Certificate of
Conformance (COC).

Copper based Bronze and Brass materials
can be provided with a NACE COC, but this
is often not required.

Cast Iron products are not suitable for
pressure retaining parts, per NACE
MR0175 and MR0103.

Fasteners

Steel – A193 B7M and A320 L7M Bolts with
A194 Grades 2HM and 7M nuts.

Stainless Steel – A193 B8 and B8M Class 1
fasteners and A194-8 and 8M nuts.

Customer specifications take precedence
when approved/listed on drawings or
specifications.

Quick Open Covers

Standard hardware and fasteners are
used with Quick Open Covers unless
otherwise noted.

These Items must be directly accessible to
personnel and are unlikely to be denied
direct atmospheric exposure as specified
in NACE MR0175 Paragraph A2.2.4 or
MR0103 Paragraph 5.2.1.1.

Purchasing

Purchasing will process requisitions for
NACE certified materials when submitted
by Production or Project Manager.