DNV·GL

Certificate No:
TAP0000129

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Pipe System with Couplings

with type designation(s)
ACO PIPE™

Issued to
ACO Industries k.s.
Pribyslav, Czech Republic

is found to comply with
DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Temperature range:	**0°C to 125°C (EPDM sealing) / 0°C to 200°C (Viton sealing)**
Max. pressure:	**non-pressurized and vacuum conditions**
Design:	**Thin-walled pipes with slip-on joints**

Issued at **Høvik** on **2017-08-23**

This Certificate is valid until **2022-06-30**.

for **DNV GL**

DNV GL local station: **Czechia**

Approval Engineer: **Adel Samiei**

Marianne Spæren Marveng
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Product description
Stainless Steel Pipe System with Slip-on joints with lip seal.

Sizes: DN50, DN75, DN110, DN125, DN160 and DN200

Materials:

Pipes and fittings:	Stainless steel – AISI 304/ 316Ti and AISI 316L
Sealing:	EPDM, Viton

Application/Limitation
The pipe system is only to be used for non-pressurized and vacuum sanitary discharge systems above freeboard deck and in enclosed spaces below.

Pipe penetrations through watertight bulkheads, fire bulkheads or shell plating shall be approved in each separate case. When penetrating a watertight bulkhead there shall be remotely operated valves secured to each bulkhead. The valves and control system shall be located outside the damage zone of the ship.

No product certificate is required.

Type Approval documentation

Tests carried out
Tightness tests (Pressure and Vacuum), Temperature cycling test, Box loading test (as described in test report 2701-0422-51)

Marking of product
For identification to this Type Approval the product shall at least be marked with:
- Manufacturers name or trade mark.
- Size

Periodical assessment
For retention of the Type Approval, a DNV GL Surveyor shall perform a survey - before the expiry date of this certificate - to verify that the conditions for the Type Approval are complied with.