

Tank venting

SCANVENT DVC 250/80

Introduction

The SCANVENT DVC 250/80 is a detonation venting cover (detonation flame arrester) designed for tankers operating on inland waterways and coastal shipping routes. The flat, compact design makes the detonation venting cover ideal for installation on inland barges where vertical space is limited. Engineered for safety and compliance, the DVC 250/80 functions as a protective venting device and a sampling access point, enabling secure tank operations in hazardous environments.

Application

The SCANVENT DVC 250/80 is used in:

- Inland waterway tankers transporting hazardous goods under ADN regulations.
- Coastal shipping vessels requiring low-profile venting solutions.
- Inland barges operating in restricted height zones.
- Tank systems with interconnected vapor lines, where detonation protection and isolation are critical.
- Sampling operations, allowing safe access to tank vapors for analysis.

Working principle

The SCANVENT DVC 250/80 is installed directly on the tank and connected to the vapor line. The DVC 250/80 functions by decoupling individual tanks from one another, thereby preventing the propagation of detonations through the vapor system. In addition to venting, the unit can be opened to provide controlled access to tank vapors without compromising safety.

Benefits

- Flat design ideal for low-clearance environments like inland barges.
- Detonation protection for tanks connected via shared vapor lines.



- Dual functionality as both a venting and sampling cover.
- Compliance with ADN regulations, supporting safe transport of hazardous materials in Europe.
- Enhanced safety through technical isolation of tanks.
- Simple rigid design.

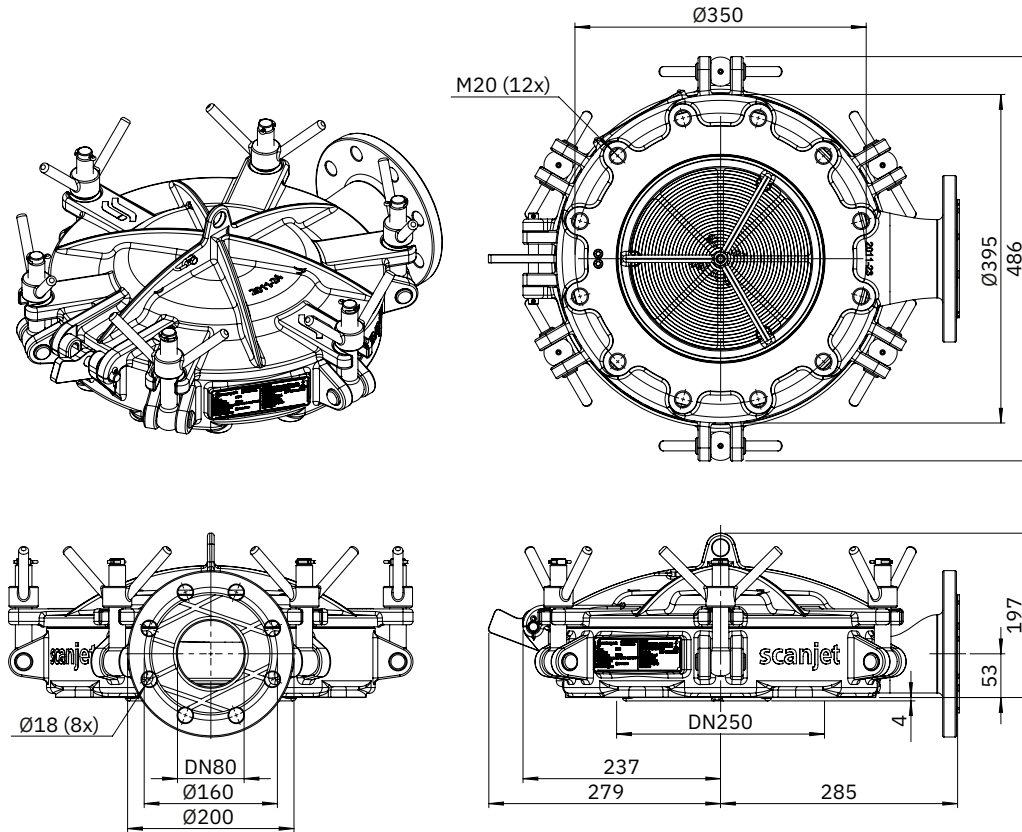
Approvals

The SCANVENT DVC 250/80 complies with all current regulations:

- ISO 16852:2016



Dimensions



Technical data

Dimensions:	See drawing in Dimensions
Normal pipe size:	Tank connection: DN250 Vapor line connection: DN80
Weight:	IIB3: 57 kg IIB: 58 kg
Type designation standard:	ISO 16852:2016
Apparatus group:	IIB3 (See type sign) IIB (See type sign)
Configurations:	MESG 0.65 (IIB3) MESG 0.50 (IIB)

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