



1/2" Fuel Valve Train for 4-stroke methanol fuel consumers

The Fuel Valve Train is designed to be connected through piping from the Low-flashpoint Fuel Supply System (LFSS) system to fuel consumers such as internal combustion engines.

The unit is controlled by the engine control system and is designed to stop the fuel supply in case of normal or emergency shutdown and redirect the fuel from the pipe systems and Fuel Valve Train (FVT) to the drain. An incorporated nitrogen purge system purges between the FVT and the engine, as well as the pipe system connecting the FVT to the LFSS.

As the FVT is designed with a primary focus on auxiliary consumers, it is crafted with a unique feature—stackable units. This innovative design allows for seamless layering of units, presenting an optimized solution tailored to the specific needs of small vessels.

Data Sheet

Description

FVT MeOH-W, 1/2"

Media Dimensioning

| | |
|--------------------------------|---|
| FVT Size | Main Line: 1/2" (DN15) Purge and Bleed Line: 1/2" (DN15) Optional Water Line: 1/2" (DN15) |
| Material in Contact with Media | Stainless steel |
| Media for Engine | Methanol (optional water-mixture) |
| Media for Purge | Nitrogen |
| Nominal Working Pressure [PN] | Methanol: 1.300 kPa (13 bar) |
| Design Pressure [PS] | 1.600 kPa (16 bar) |
| Test Pressure [PT] | 2.400 kPa (24 bar) |
| Design Flow | MeOH flow: 1.500kg/h |
| Media Temperature | Design temperature: -25°C to +60°C Operation temperature: 45°C +10/-20°C |

Physical Dimensions

| | |
|--------------------|-----|
| Dimensions (WxHxD) | TBD |
| Weight | TBD |

Environment

| | |
|----------------------------------|------------------------------|
| Ambient Temperature | -25°C to +55°C |
| Degree of Protection (IEC 60529) | FVT components: minimum IP65 |

Supply

| | |
|----------------|-------------------------------------|
| Supply Voltage | 24 VDC -25 / +30 % |
| Pneumatic Air | 6-10 bar bar ISO 8573-1 Class 7.7.3 |

Ex Classification

| | |
|----------------|--------------------------|
| FVT Components | Ex eb db ia IIC T4 Ga/Gb |
|----------------|--------------------------|

Classification

| | |
|---|------------|
| Classification Societies (Per Customer Request) | DNV/GL, NK |
|---|------------|