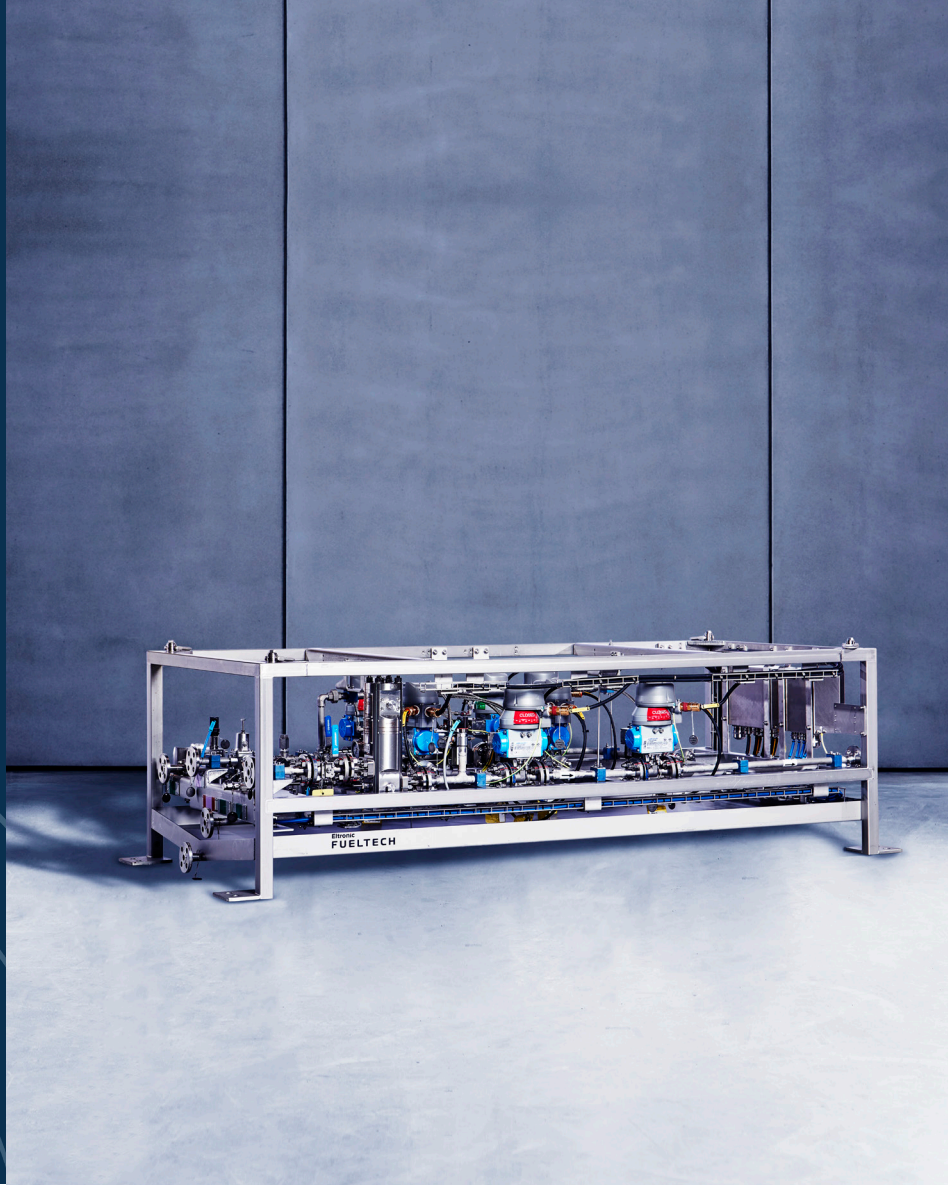
Eltronic
FUELTECH

½” Fuel Valve Train



Product information

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, ½"
Media Dimensioning	
FVT Size	Main Line: ½" (DN15) Purge and Bleed Line: ½" (DN15) Optional Water Line: ½" (DN15)
Material in Contact with Madia	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 Pressue [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