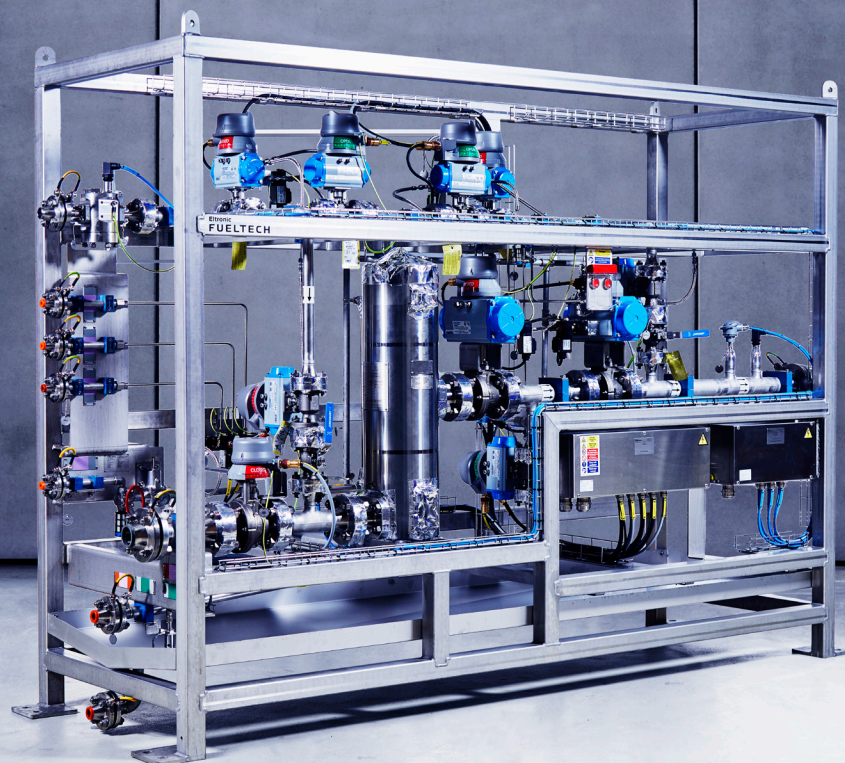


Fuel Valve Train



Product information

The Fuel Valve Train is a block and bleed valve configuration designed to control flow of methanol from the Low-flashpoint Fuel Supply System to the engine. The added water mixing feature enables our customers to mix methanol with water, and by that to comply with Tier III regulations.

The 2-inch Fuel Valve Train supports larger two-stroke engines with fuel consumptions of up to 19.000 kg/h with an additional option of water mixing supply of up to 6.700 kg/h.

In case of a normal shutdown or emergency shutdown, the Fuel Valve Train will disengage the fuel supply to the engine and send excess fuel from the Fuel Valve Train to the drain. A nitrogen purge system is incorporated into the Fuel Valve Train to purge the system and the engine while preventing the fuel from reaching any safe areas.

The benefits of the Fuel Valve Train include filtration of media before injection as well as temperature and pressure monitoring between fuel supply system and engine. A drip tray is installed as a safety measure. Moreover, the Fuel Valve Train is designed for easy accessibility and maintenance.

Description		FVT MeOH-W, 2"
Media Dimensioning		
FVT Size		Main Line: 2" DN50 N2 Line: 1" DN25 Water Line: 1" DN25
Material in Contact with Media		AISI 316/316L - EN 1.4401/1.4404
Media for Engine		Methanol (optional water-mixture)
Media for Purge		Nitrogen, N ₂
Nominal Working Pressure [PN]		13 bar – 1.300 kPa
Design Pressure [PS]		16 bar – 1.600 kPa
Test Pressure [PT]		24 bar – 2.400 kPa
Design Flow		Methanol flow: 19.000 kg/h Optional Water flow: 6700 kg/h
Media Design Temperature		-25°C to +60°C
Media Operation Temperature		45°C +10°C/-20°C
Physical Dimensions		
Dimensions (WxHxL)		2780 x 2050 x 905 mm
Weight (incl. FVT, wall mounts and spill tray)		Approx. 1700kg
Environment		
Ambient Temperature		-25°C - +60°C
Degree of Protection (IEC 60529)		Minimum IP65
Supply		
Supply Voltage		24 VDC -25% / +30%
Pneumatic Air		6-10 bar, ISO 8573-1 Class 7.7.3
Ex Classification		
FVT Components		Minimum Ex eb db ia IIC T4 Ga/Gb
Classification		
Classification Societies (Per Customer Request)		DNV/GL, ABS, NK