

Gas Valve Unit Mkl



Product information

The Gas Valve Unit is a low-pressure double block and bleed system designed to direct flow of methane gas to 4-stroke dual fuel engines. In case of emergency shutdown, the Gas Valve Unit will disengage the fuel supply to the engine and send excess fuel from the unit to the vent header.

After normal engine operation with methane gas, the Gas Valve Unit can purge the system up-stream and down-stream with nitrogen. The Gas Valve Unit is designed for installation in EX zone 1 and to be placed below deck (IP44).

Description	GVU Mkl, 1½"
Media Dimensioning	
GVU Size	1½"/DN40
Material in Contact with Media	316/316 L stainless steel
Media for Engine	Methane
Media for Purge	Nitrogen
Nominal Pressure [PN]	5-8 bar
Design Pressure [PS]	16 bar
Test Pressure [PT]	10 bar
Design Flow	300 kg/h, Methane
Media Design Temperature	0 to 55°C
Physical Dimensions	
Dimensions (WxHxL)	610 x 1.815 x 1.080 mm
Weight	281 kg
Media Filtration	
Safety Filter	10 µm
Environment	
Ambient Temperature	-20°C to +50°C
Degree of Protection GVU (IEC 60529)	IP44
Supply	
Supply Voltage	24 VDC -25/+30 %
Pneumatic Air	6-8 bar
Ex Classification	
GVU Components	According to Ex c d ia IIA T1 Ga/Gb
Classification	
Classification Societies	On request e.g. DNV/GL, ABS