



**DATA SHEET**  
**CNG Solenoid Valve**  
**VM A3 BANJO**

Rev. 01

Page 1 of 3

**High Pressure CNG**  
**SOLENOID VALVE**  
**VM A3 BANJO**

DATA SHEET



# DATA SHEET CNG Solenoid Valve VM A3 BANJO

Rev. 01

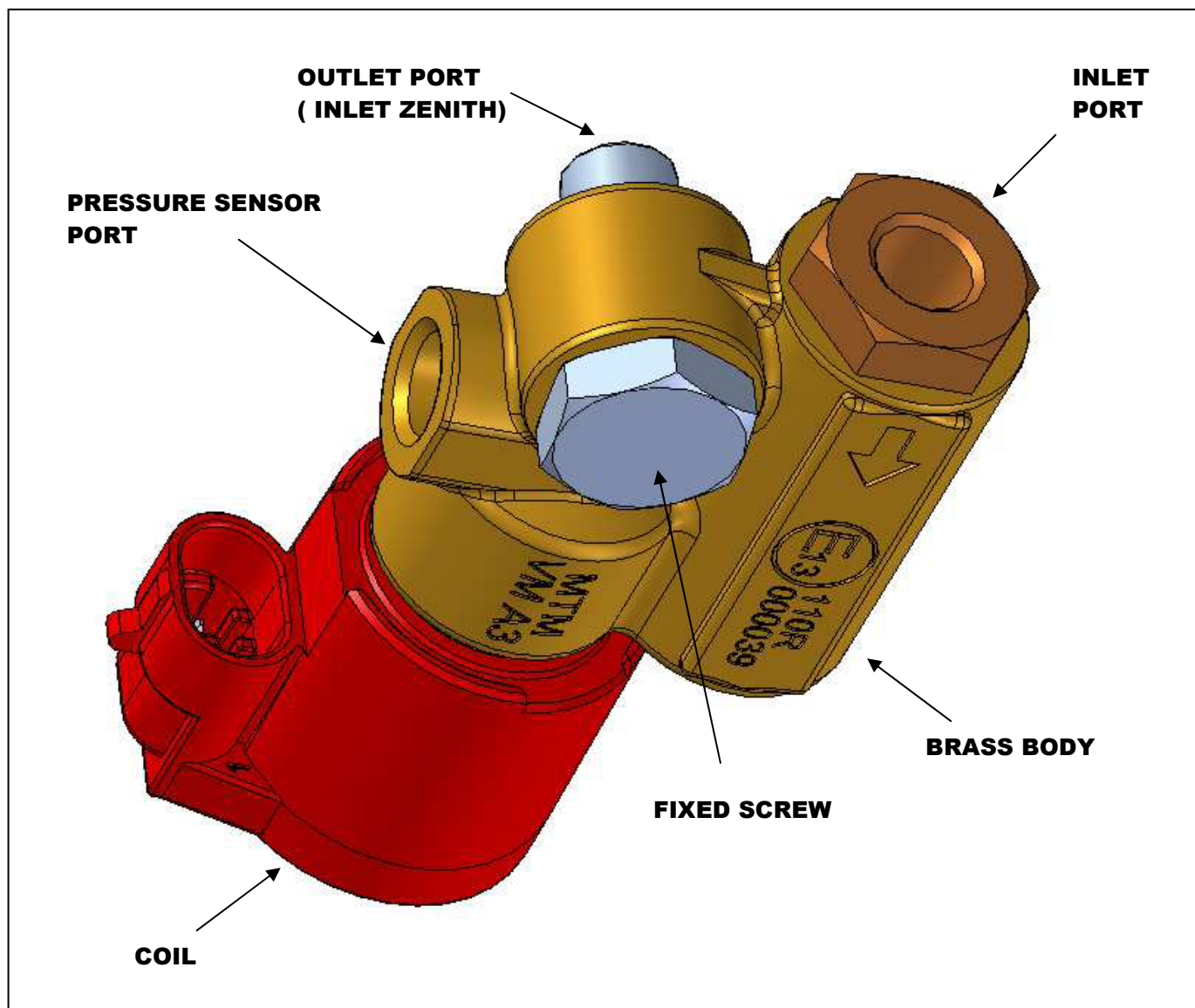
Page 2 of 3

## **BRC CNG Solenoid Valve VM A3 BANJO**

### **1. General Characteristic**

ITEM		DETAIL	Ref.
Environment	Outside	Muddy water, dust, oil mist	
	Inside	CNG	
	Function assured temperature	-40°C to 120°C	R110 ISO15500
	Corrosion	500 h salt spray	
Working pressure		22 MPa (Class 0)	R110
Classification pressure		20 MPa	ISO15500
Burst pressure		> 100 MPa	ISO15500
Electrical	Minimum opening voltage	6 V for 12VDC coil	ISO15500
	Max voltage @ 120°C	18 V for 12VDC coil	
	Power	16 W @ 12VDC	
	Coil resistance	9,3 $\Omega \pm 7\%$ at 20°C for 12VDC coil	
	Socket	AMP Superseal	
Leakage	Internal air thightness	< 0,25 cm <sup>3</sup> /min	
	External air thightness	< 0,25 cm <sup>3</sup> /min	
CNG pipe port size		M12x1 or 1/4 NPT (for 6 mm pipe)	Ferrule and steel pipe
Dimensions [mm]		96 x 73 x 53	
Mass [kg]		0,600	
Type approvals / Certifications		110R00 0039	

## 2. Main dimensions



Mounting Characteristics			
Port	Size	Pipe	Installation Torque
Fixed Screw	-	-	$30 \pm 3$ [Nm]
CNG Inlet	M12x1	6 x 1 Steel pipe	$30_0^{+10}$ [Nm]
CNG Inlet	1 / 4 NPT	6 x 1 Steel pipe	$30_0^{+10}$ [Nm]
Pressure Sensor	M12x1 or G1/4	-	-