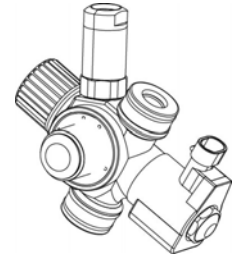


Part Number: 114224

Part Description: Automatic Valve, Fuel Storage Cylinder



Product Technical Specifications

General Specifications

Manufacturer	EMER
Manufacturer PN	MARK552-002
Overall Length	5.4" (136 mm)
Approximate Handle Diameter	2.0" (50 mm)
Mass	3.3 lb (1.5 kg)
Approved Service Gas	Compressed Natural Gas (CNG)
Certifications	ANSI NGV 3.1, CSA NGV 12.3, ECE R-110
Service Pressure	3,600 psi (24.8 MPa) @ 70°F (21°C)
Temperature Range	-40°F (-40°C) to 185°F (85°C)
PRD Activation Temperature.....	230°F ±18°F (110°C ±10°C)
Seat Orifice Diameter	0.2" (5 mm)
PRD Orifice Diameter	0.33" (8.5 mm)
Excess Flow Rating	19 g/s
Burst Disc	N/A

Electrical Characteristics

Voltage Range	8.5 VDC - 18 VDC
Nominal Resistance @ 70°F (21°C).....	~12.4Ω @ 14 VDC
Nominal Current Draw	1.1 A
Peak Current Draw	N/A

Electrical Interface

Solenoid Connector	AMP SUPER SEAL 1.5mm
Temperature Sensor Connector	N/A

Mechanical Interface

Cylinder Interface	1 1/8" -12 UNF-2A
Valve Body Material	Brass, Nickel-Plated
Inlet Port	9/16-18 UNF-2B
Outlet Port	9/16-18 UNF-2B
PRD Discharge Port	9/16-18 UNF-2B
PRD Live Port (2x).....	9/16-18 UNF-2B

Live port refers to a valve port that cannot be shut off by the use of the valve shut off mechanism; this port of the valve is connected directly to the cylinder contents.

Torque Specifications

Valve Interface	100 lb.-ft. (135 N.m)
9/16 SAE Port Fittings (Recommended, refer to SAE J1926)	26 lb./ft. (35 N.m.)

Maintenance Parts

Valve Interface O-Ring	Quantum PN 111409-216
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