DEF Valves

Diesel Exhaust Fluid Control for SCR Systems



Product Features:

- Control DEF between multiple SCR system tanks with cartridge style 2-way normally open & normally closed solenoid valves
- Provide air assist for DEF dosing with additional cartridge style 2-way normally closed air valve
- Designed for use with remote & buffer tank SCR systems
- DEF Control Valves are suitable for SCR systems in high horsepower diesel engine applications



Typical Applications:

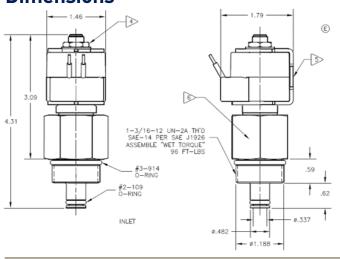
- Ocean Vessels and Large Ships
- Mining, Oil & Gas, Rail, and Industrial Engines
- Large Scale Stationary Diesel Generator Sets

Product Specifications

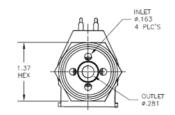
Valve Types:	2-Way, Normally Closed (NC) and 2-Way, Normally Open (NO)
Cv:	2-Way NC DEF Valve 1.0±10%, 2-Way NC Air Valve 0.5±10%,
	2-Way NO DEF Valve 0.12±10%,
Orifice:	2-Way NC DEF Valve 0.281, 2-Way NC Air Valve 0.188,
	2-Way NO DEF Valve 0.086
Operating Pressure Differential:	2-Way NC DEF Valve 1-10 Psig, 2-Way NC Air Valve 60±3 Psig,
	2-Way NO DEF Valve 145±3 Psig
Power:	22 Watts Steady State Max
Coil:	Voltage 24 Vdc, 28.5 Vdc Max @ 60° C Fluid & Ambient Temperature
Coil Resistance:	29.0 Ohms ±8% @70° F (Room Temperature)
Corrosion Protection For Coil Yoke:	240 Hrs Salt Spray Min Per Vmr-0469 & Astm B117
Doc:	25 Ma Minimum
Life Requirement:	400,000 On/Off Cycles with No Significant Reduction in Performance
Filtration Required:	100 Microns Minimum
Ambient Temperature:	(-40) - 60° C
Duty Cycle:	30% to Continuous
Fluid Media:	DEF (33% Urea, 67% H20) and Air
Fluid Temp:	DEF (-9) - +60 C, Air (-40") - +60 C
Coil Type:	Class H Molded Coil
Lead Length:	8.00 ±.75/00 Inches from Coil to Connector
Connector P/N:	V1-27-504 (Tyco 776428-3)
Wetted Materials:	300 & 400 Series St. EPDM, & FKM
Corrosion Protection For Coil Yoke: Doc: Life Requirement: Filtration Required: Ambient Temperature: Duty Cycle: Fluid Media: Fluid Temp: Coil Type: Lead Length: Connector P/N:	240 Hrs Salt Spray Min Per Vmr-0469 & Astm B117 25 Ma Minimum 400,000 On/Off Cycles with No Significant Reduction in Performance 100 Microns Minimum (-40) - 60° C 30% to Continuous DEF (33% Urea, 67% H20) and Air DEF (-9) - +60 C, Air (-40") - +60 C Class H Molded Coil 8.00 ±.75/00 Inches from Coil to Connector V1-27-504 (Tyco 776428-3)

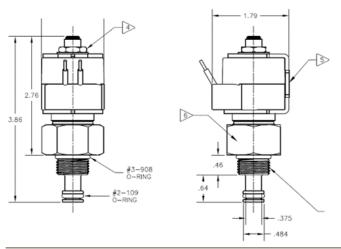


Dimensions

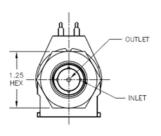


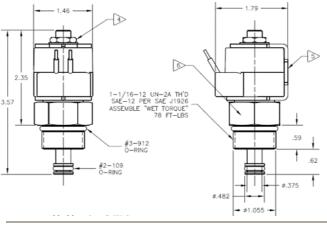
2-Way Normally Closed DEF Valve



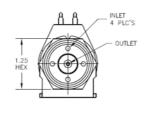


2-Way Normally Open DEF Valve





2-Way Normally Closed Air Valve



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