

Specifications

Actuation: Solenoid actuated, spring return
 Function: 3/2, 3-Way, 2 Position, universal flow
 Media: Pneumatic, Air/Inert gas and Hydraulic
 Pressure: vac to 175psi (vac to 12 bar)
 Flow: 0.8 Cv
 Temperature: +4°F to 194°F (-20°C to 90°C)
 -40°F to 194°F (-40°C to 90°C), low temp buna option -44
 For lower temperature consult factory
 Port size: ¼" npt

Voltage/Power:

Voltage	Power	Ordering code		
		DC	AC 60 Hz	AC 50 Hz
12 VDC	2.6 watts	-D012	—	—
24 VDC		-D024	—	—
125 VDC		-D125	—	—
110/120 VAC	3.1 watts	—	-A120	-E110
220/240 VAC		—	-A240	-E220



DSM-3301-316-M-XXDS-D024
DSM-3301-316-M5R-XXDS-D024

Coil class: H Class
 Surge protection: None, standard
 Diode, suffix -303D. DC only
 Metal-oxide varistor (MOV), suffix -303. AC or DC
 Connections: ½" NPT or M20 conduit hub
 Ingress protection: IP 68 NEMA 4X, 6P

Materials of construction*:

Body: 316L Stainless Steel
 Poppet: 316L Stainless Steel
 Coil Housing: 316L Stainless Steel
 Coil: Epoxy molded
 Seals: FMK: Fluorocarbon, standard

*All valve components comply with NACE MR0175 except for main spring which is 316 stainless steel. For full NACE compliance, add option -NA for Inconel spring.



DSM-3301-316-XXDS-356BN-D024

Solenoid Type

Solenoid Type	Suffix Number	Rating	Agency	Connection
World solenoid	-XDDS	EX II 2 G D Ex de IIC T* Gb Ex tb IIIC IP66 T*°C Db Cl, I Zn 1, A/Ex de IIC TYPE 4x, 6P, IP66 Cl, II, Zn 21, A/Ex td A21, DIP A21	ATEX IEC CSA	M20
World Solenoid with North American rating	-XDDT	EX II 2 G D Ex de IIC T* Gb EX tb IIIC T* °C Db Class I Div I Grp B, C & D Class I Div II Grp E, F & G	ATEX IEC CSA	½" NPT

ValveType - Options

Valve Type & Options	Part Number	Weight
Solenoid Operated-Spring return	DSM-3301-316-XDD*-(**)	5.1 lbs (2.3 kg)
Solenoid Operated-Spring return with Non-locking override	DSM-3301-316-M- XDD*-(**)	5.2 lbs (2.4 kg)
Solenoid Operated-Spring return with locking override	DSM-3301-316-M5R-XDD*-(**)	5.2 lbs (2.4 kg)
Solenoid Operated-Spring return with Latching reset	DSM-3301-316-XDD*-356BN-(**)	5.4 lbs (2.4 kg)
Solenoid Operated-Spring return with Latching reset and manual button	DSM-3301-316-XDD*-356B-(**)	5.6 lbs (2.5 kg)

* Add solenoid code type from above.

**Add voltage code from above chart.