

### Features

- ATEX 94/9/EC directive approved
- Can be used in Zone 1 and Zone 2 hazardous areas
- Direct acting and indirect acting valves available
- Available voltages of 24 volts DC and 230 volts, 50 Hz AC
- All constructions have functional safety data per IEC 61508 available



### Construction

Valve Parts in Contact with Fluid		
	Valve Series	
	8327	8551
Body	Br or 316 SS	316 SS
Core and Plugnut	430F SS	
Core Tube	303 SS	
Disc and Seals	VMQ	PUR & VMQ
Rider Ring	PTFE	
Springs	303 SS	

Series	Body Material	Voltage	Min. Ambient Temp. °F (°C)	ATEX Safety Code					
				II G/D Eex d IIC					
				T4°F (°C)		T5°F (°C)		T6°F (°C)	
				T Amb.	T Cable	T Amb.	T Cable	T Amb.	T Cable
8327	All Materials	AC	-40 (-40)	-				104 (40)	158 (70)
		DC						104 (40)	158 (70)
8551	SS	AC	-40 (-40)	140 (60)	194 (90)	104 (40)	158 (70)	77 (25)	158 (70)
		DC		-	194 (90)	140 (60)	176 (80)	104 (40)	158 (70)

### Solenoid Enclosures

Standard: Electrical Enclosure Protection (EN60529): Aluminum IP-67

### Approvals

Directive ATEX 94/9/EC

II 2 G/D Eex d IIC T6. T4 IP67

EC type examination certificate no. LCIE 00ATEX 6008 X

## Specifications

3/2 VALVES, UNIVERSAL (Normally Closed or Normally Open), Direct Acting																
Pipe Size (ins)	Orifice Size (ins)	Cv Flow Factor		Operating Pressure Differential (psi)							Max. Fluid Temp. °F		Catalogue Number	Body Material	Wattage	
				Min.	Max. AC			Max. DC			AC	DC			AC	DC
		Ports 1-2	Ports 2-3		Air-Inert Gas	Water	Light Oil @ 300 SSU	Air-Inert Gas	Water	Light Oil @ 300 SSU						
1/4	1/4	0.49	0.56	0	150	150	150	150	150	150	104	104	NF8327B011	BR	10	11.2
													NF8327B012	316 SS		
3/2 VALVES, NORMALLY CLOSED (Closed when de-energized), Indirect Acting																
Pipe Size (ins)	Orifice Size (ins)	Cv Flow Factor	Operating Pressure Differential (psi)						Max. Fluid Temp. °F	Catalogue Number	Body Material	Wattage				
			Min.	Air-Inert Gas								AC	DC			
1/4	1/4	0.86	30 ①	150					140	NF8551A413	316 SS	10.5	11.2			
5/2 VALVES, Indirect Acting																
Pipe Size (ins)	Orifice Size (ins)	Cv Flow Factor	Operating Pressure Differential (psi)						Max. Fluid Temp. °F	Catalogue Number	Body Material	Wattage				
			Min.	Air-Inert Gas								AC	DC			
1/4	1/4	0.86	30 ①	150					140	NF8551A421	316 SS	10.5	11.2			
3/2, 5/2 NAMUR MOUNT VALVES, Indirect Acting																
Pipe Size (ins)	Orifice Size (ins)	Cv Flow Factor	Operating Pressure Differential (psi)						Max. Fluid Temp. °F	Catalogue Number	Body Material	Wattage				
			Min.	Air-Inert Gas								AC	DC			
1/4	1/4	0.86	30 ①	150					140	NF8551A409	316 SS	10.5	11.2			

① Zero minimum when end cap gasket is in external position and proper auxiliary air pressure is applied. Minimum 30 psi Operating Pressure Differential when end cap gasket is in the external position. See I&M sheet for details.

② For dimensions, consult factory.