# **ACTUATION ACCESSORIES SOLENOID VALVES**



Constr. Ref. 1

# **8551 SERIES**

### **Features**

- Pilot Operated
- Compact Spool Valve (Convertible from 3/2 to 5/2)
- NAMUR Pad Mount Construction
- Standard Manual Operator
- DIN, Watertight, and Explosionproof Solenoids Available
- Single and Dual Solenoid Constructions
- Mountable in Any Position
- Optional Flow Controls Available

Specifications

	Specifications								
Pipe Size (ins.)*	Orifice Size	Cv Flow Factor	Pilot Pressure (PSI) Min Max		Fluid Tempurature °F		Catalog Number	Constr. Ref.	
(1115.)	(1115.)	rucioi			Min	Max AC	Max DC	Number	No.
1/4	1/4	0.7	30	150	-13	140	140	SC8551A001MS	1
1/4	1/4	0.7	30	150	-13	104	77	WT8551A001MS	2
1/4	1/4	0.7	30	150	-13	104	77	EF8551A001MS	2
* 1/8 inch NP	* 1/8 inch NPT exhaust ports								

**Electrical** 

Standard Coil and	Enclosure	Watt Rating and Power Consumption					
Class of Insulation	Туре	DC Watts	Watts	VA Holding	VA Inrush		
F	SC	3	2.5	3.5	6		
F	WT	6.9	6.3	7	10.1		
F	EF	6.9	6.3	7	10.1		
	Enclosures						
SC	IP65 type DIN (open frame)						
WT	Types 1, 2, 3, 3S, 4, and 4X						
EF	Types 3, 3S, 4, 4X, 6, 6P, 7, 9 CLASS 1, DIV.1						
L EF	(Groups A-D) and CLASS 1, DIV.2 Type 9 (Groups E-G)						

# **Construction**

n Contact with Fluid
Black Anodized Aluminum
Phosphate Treated Black Steel
Copper
NBR and PUR
Stainless Steel / Brass
6/6 Glass Filled PA/FV
Aluminum
Zamak, Steel, CA

# **Temperature**

Enclosure Type	Voltage Type	Temperature Range
SC	AC/DC	-13°F to +140°F (-25°C to 59°C)
WT / EF	AC	-13°F to +104°F (-25°C to 40°C)
WT / EF	DC	-13°F to +77°F (-25°C to 25°C)

# **8342 SERIES**

### **Features**

- Direct Acting Operation
- High Flow Construction
- Slide Style Valve

- No Minimum Operating Pressure Differential Required to Shift Valve
- Mountable in Any Position
- Optional Flow Controls Available

# **Temperature**

Enclosure Type	Temperature Range
Class F	32°F to 125°F (0°C to 52°C)
Class H (optional)	32°F to 140°F (0°C to 60°C)

### **Construction**

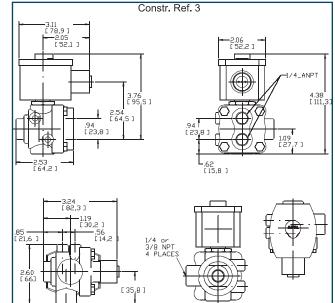
Valve Parts In Contact with Fluid						
Body	Brass 304SS					
Seals and Discs	NBR and FKM305 Stainless Steel					
Core Tube	305 Stainless Steel					
Core and Plugnut	430F Stainless Steel					
Springs	302 Stainless Steel / 17-7 PH Stainless Steel					
Shading Coil	Copper					
Sleeve	PA					
Sents	Granhite-filled PTFF					

# **Specifications**

				Pilot I	Pilot Pressure (PSI)		Max Fluid	Catalog Number			
	Pipe Size	Orifice Size	Cv Flow	Maximum AC		Maximum AC		Tempurature °F	Caralog N	lumber	Constr. Ref.
	(ins.)*	(ins.)*	Factor	Air-Inert Gas	Water	Lt. Oil @ 300 SSU	1 1/	Brass Body	304SS Body	No.	
	1/4	3/16	0.7	125	100	100	160	8342G1	8342G701	3	
	3/8	3/16	0.7	125	100	100	160	8342G3	8342G703	3	
-	Prefix model numbers with EF for explosionproof										

# **Electrical**

Standard Coil and	Watt Rating and Power Consumption					
Class of Insulation	AC					
	Watts	VA Holding	VA Inrush			
F	16.1	3.5	6			
F	20.1	7	10.1			
Enclosures						
Standard	Types 1, 2, 3, 3S, 4, and 4X					
Explosionproof	Types 3, 3S, 4, 4X, 6, 6P, 7, 9					





# **8344 SERIES**

### **Features**

- Pilot Operated
- Robust Construction
- Piston-Operated Poppet Design for High Flow
- For Use with Air or Water
- Mountible in Any Position
- Optional Flow Controls Available

# Temperature

Voltage Type	Temperature Range
AC	32°F to 125°F (0°C to 52°C)
DC	32°F to 104°F (0°C to 40°C)

### **Electrical**

Standard Coil and	Watt Rating and Power Consumption					
	DC Watts	AC				
Class of Insulation		Watts	<b>VA</b> Holding	VA Inrush		
F	10.6	6.1	16	30		
F	11.6	10.1	25	50		
F	22.6	17.1	40	70		
	Enclosures					
Standard	Types 1, 2, 3, 3S, 4, and 4X					
Explosionproof	Types 3, 3S, 4, 4X, 6, 6P, 7, 9					

# Constr. Ref. 4 318 (79,21) 9.34 (14),11 2 HOLES FOR MOUNTING 6.06 (153,91) 1.50 (126,91) 1.56 (147,81) 3.03 (15,81) 1.56 (139,61) 1.56 (139,61) 1.56 (139,61) 1.56 (139,61)

**Specifications** 

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	1151			

Valve Parts In Contact with Fluid			
Body	Brass		
Seals and Discs	NBR		
Core Tube	305 Stainless Steel		
Core and Plugnut	430F Stainless Steel		
C	302 Stainless Steel and		
Springs	17-7 PH Stainless Steel		
Shading Coil	Copper		
Pilot Seat Cartridge	CΔ		
and Disc-Holder			
Shaft Gasket	Lead/Copper		

Г	ipe	Orifice	Cv Flow Factor				Pil	ot Pressure (F	Max Fluid		Catalog	Constr.			
1 "		Size				Maximum AC			Maximum DC			Tempurature °F		No.	Ref.
	ize ıs.)*	(ins.)*	Press.	Exh.	Min	Air-Inert Gas	Water	Lt. Oil @ 300 SSU	Air-Inert Gas	Water	Lt. Oil @ 300 SSU	AC	DC	Brass Body	No.
Π	/4	1/4	0.8	1.0	10	150	125	125	125	125	125	180	150	8344G70	1
3	/8	3/8	1.4	2.2	10	150	125	125	125	125	125	180	150	8344G72	2
	/2	3/8	1.4	2.2	10	150	125	125	125	125	125	180	150	8344G74	2
7	//	2/4	Γ0	Г/	10	170	100	100	100	100	100	100	1.0	004407/	1

<sup>1 3/4 5.2 5.6 10
\*</sup> Prefix model numbers with EF for explosionproof

# **8345 SERIES**

### **Features**

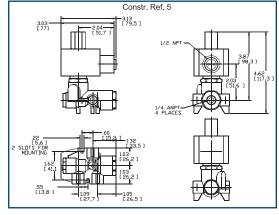
- Pilot Operated
- Compact Valve for General Service Applications
- Mountible in Any Position
- Optional Flow Controls Available

# Construction

Valve Parts In Contact with Fluid							
Body	Brass	316SS					
Seals and Discs	NBR and PA	FKM, PA and UR					
Core Tube	305 Stainless Steel						
Core and Plugnut	430F Stainless Steel						
Springs	302 Stainless Steel						
Shading Coil	Copper						
Piston	PA						

# **Electrical**

Standard Coil and	vvatt kating and Power Consumption									
Class of Insulation	DC Waste	AC								
Class of Insulation	DC Walls	Watts	VA Holding	VA Inrush						
F	11.6	10.1	25	50						
		Enclosures								
Standard	Types 1, 2, 3, 3S, 4, and 4X									
Explosionproof	Types 3, 3S, 4, 4X, 6, 6P, 7, 9									



### **Specifications**

D:	Orifice		Cv Flow		Pilot Pressure (PSI)							Max Fluid		Catalog		
Pipe	Size (ins.)*		Factor			Maximum AC			Maximum DC			Temperature °F		Number*		Constr.
Size	<u></u>	r.i.	D	r.i.	Min.	Air-Inert	w	Lt. 0il @	Air-Inert	w	Lt. 0il @	lemper	noie i	Brass	31655	Ref. No.
(ins.)*	Press.	Exh.	Press.	Exh.		Gas	Water	300 SSU	Gas	Water	300 SSU	AC	DC	Body	Body	i I
1/4	1/16	3/32	0.09	0.09	10	150	150	150	100	100	100	180	104	8345G1	EV8345G81	5

## **Temperature**

Voltage Type	Temperature Range
AC	32°F to 125°F (0°C to 52°C)
DC	32°F to 104°F (0°C to 40°C)

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<sup>\*</sup> Prefix model numbers with EF for explosionproof