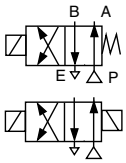
Direct Acting

Air-Only Solenoid Valves

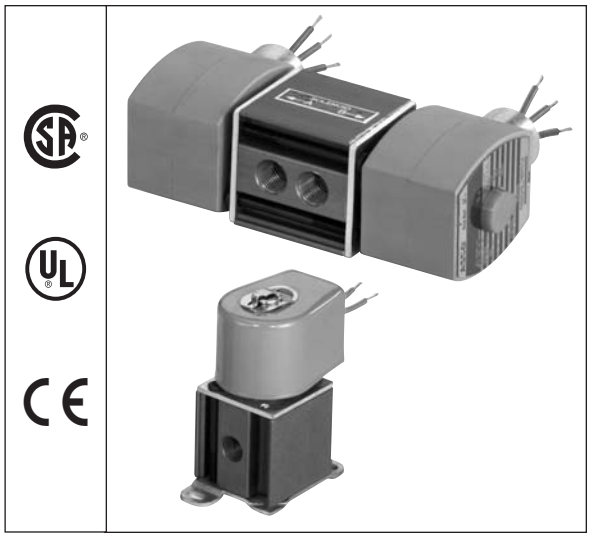
Aluminum Body • In-Line, Sub-Base, and Group Mounted
1/4" NPT



4/2
SERIES
8340

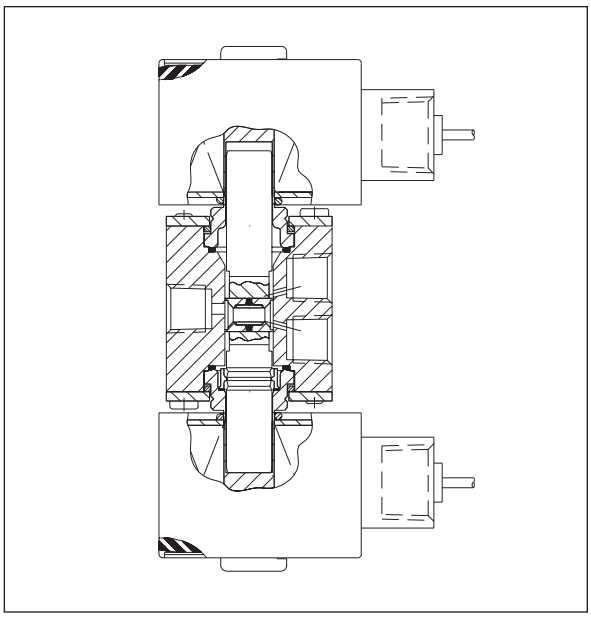
Features

- Air-only design for cylinder control.
- Up to eight single and dual solenoid valves, in any combination, can be manifolded.
- Sub-Base constructions have separate cylinder connections and common pressure and exhaust connections at each end. Can be assembled in the field by simply inserting tie rods through holes in base.
- Group-Mounted constructions have common pressure connections at each end and separate cylinder and exhaust connections.
- Can be factory assembled or grouped in the field with strong snap-on clamps, supplied.



Construction

Valve Parts in Contact with Fluids	
Body	Hard Anodized Aluminum
Disc	PE
Core Tube	305 Stainless Steel
Core and Plugnut	430F Stainless Steel
Core Spring	302 Stainless Steel
Shading Coil	Copper
Seals	NBR
Miscellaneous	PA, CA



Electrical

Standard Coil and Class of Insulation	Watt Rating and Power Consumption				Spare Coil Part No.			
		AC			General Purpose		Explosionproof	
	DC Watts	Watts	VA Holding	VA Inrush	AC	DC	AC	DC
F	-	10.5	24	65	64982	-	64982	-
F	19.7	16.7	36	85	64982	66611	64982	66611
F	-	10.1	25	70	238610	-	238614	-
F	22.6	17.1	40	93	238610	238710	238614	238714

Standard Voltages: 24, 120, 240, 480 volts AC, 60 Hz (or 110, 220 volts AC, 50 Hz). 6, 12, 24, 120, 240 volts DC. Must be specified when ordering. Other voltages available when required.

Solenoid Enclosures

Standard: Red-Hat II - Watertight, Types 1, 2, 3, 3S, 4, and 4X; Red-Hat - Type 1.
Optional: Red-Hat II - Explosionproof and Watertight, Types 3, 3S, 4, 4X, 6, 6P, 7, and 9 (For 8340G1 and 8340G2 only); Red-Hat - Types 3, 4, 4X, 7, and 9. (To order, add prefix "EF" to catalog number.)
See Optional Features Section for other available options.

Nominal Ambient Temperature Ranges:

AC: 32˚F to 125˚F (0˚C to 52˚C)
DC: 32˚F to 77˚F (0˚C to 25˚C)(104˚F/40˚C occasionally)
Refer to Engineering Section for details.

Approvals:

CSA certified. AC is UL listed as General Purpose Valve.
Red-Hat II meets applicable CE directives.
Refer to Engineering Section for details.

Specifications (English units)

Pipe Size (ins.)	Orifice Size (ins.)	Cv Flow Factor	Operating Pressure Differential (psi) Max. AC Air-Inert Gas	Operating Pressure Differential (psi) Max. DC Air-Inert Gas	Max. Fluid Temp. °F AC	Max. Fluid Temp. °F DC	Aluminum Body Catalog Number	Watt Rating/ Class of Coil Insulation AC	Watt Rating/ Class of Coil Insulation DC
SINGLE VALVE CONSTRUCTION - Single Solenoid									
1/4	5/64	.10	150	100	130	95	8340G1	17.1/F	22.6/F
SINGLE VALVE CONSTRUCTION - Dual Solenoid									
1/4	5/64	.10	150	100	104	95	8340G2	10.1/F	22.6/F
GROUP MOUNTED CONSTRUCTION - Single Solenoid									
1/4	5/64	.10	150	100	104	95	8340A3	16.7/F	19.7/F
GROUP MOUNTED CONSTRUCTION - Dual Solenoid									
1/4	5/64	.10	150	100	104 ①	95 ①	8340A8	10.5/F	19.7/F
SUB-BASE MOUNTED CONSTRUCTION - Single Solenoid									
1/4	5/64	.08	150	100	104	95	8340A4	16.7/F	19.7/F
SUB-BASE MOUNTED CONSTRUCTION - Dual Solenoid									
1/4	5/64	.08	150	100	104 ①	95 ①	8340A5	10.5/F	19.7/F

Notes: ① Rating shown for individual mounted valves; when group mounted, maximum UL allowable fluid and ambient temperature is 86°F.

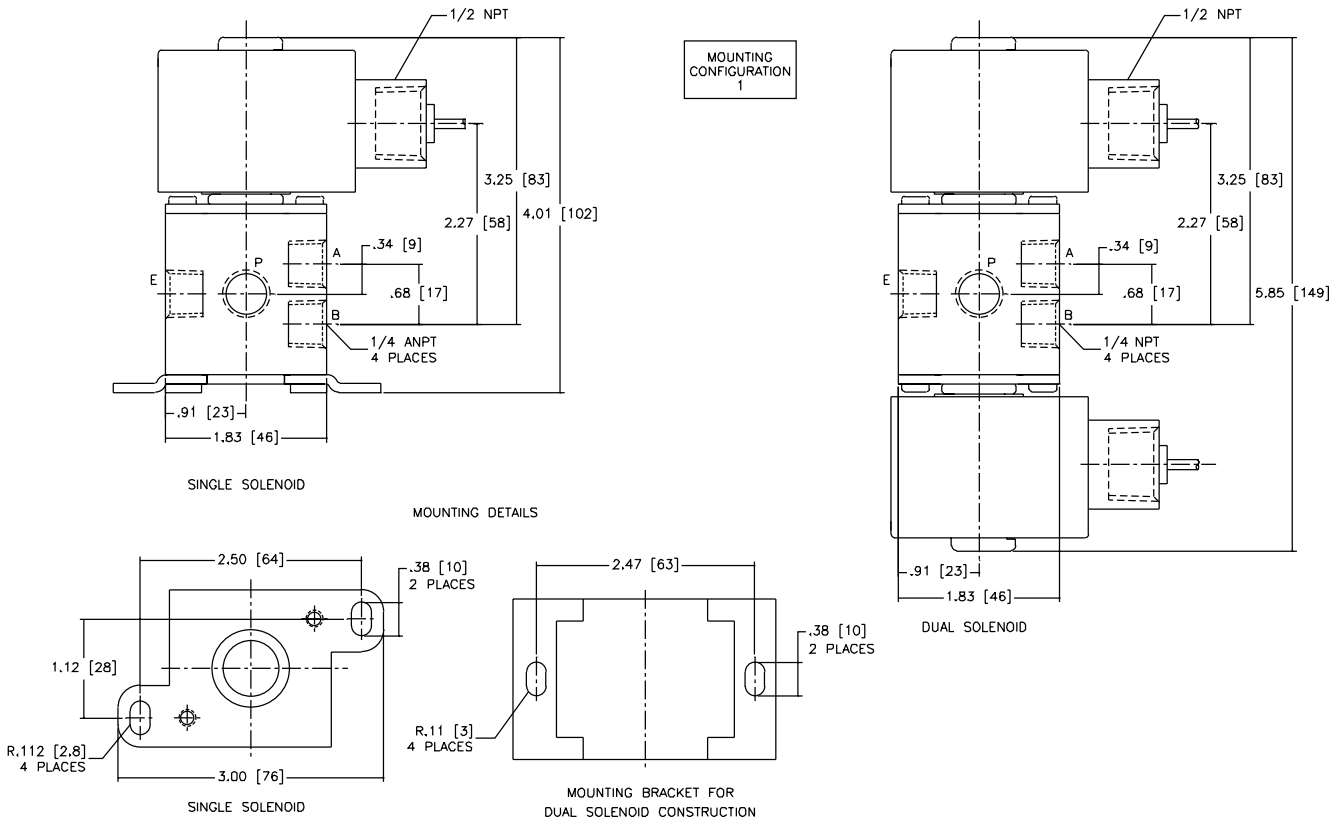
Specifications (Metric units)

Pipe Size (ins.)	Orifice Size (mm)	Kv Flow Factor (m3/h)	Operating Pressure Differential (bar) Max. AC Air-Inert Gas	Operating Pressure Differential (bar) Max. DC Air-Inert Gas	Max. Fluid Temp. °C AC	Max. Fluid Temp. °C DC	Aluminum Body Catalog Number	Watt Rating/ Class of Coil Insulation AC	Watt Rating/ Class of Coil Insulation DC
SINGLE VALVE CONSTRUCTION - Single Solenoid									
1/4	2.0	.09	10	7	54	35	8340G1	17.1/F	22.6/F
SINGLE VALVE CONSTRUCTION - Dual Solenoid									
1/4	2.0	.09	10	7	40	35	8340G2	10.1/F	22.6/F
GROUP MOUNTED CONSTRUCTION - Single Solenoid									
1/4	2.0	.09	10	7	40	35	8340A3	16.7/F	19.7/F
GROUP MOUNTED CONSTRUCTION - Dual Solenoid									
1/4	2.0	.09	10	7	40 ①	35 ①	8340A8	10.5/F	19.7/F
SUB-BASE MOUNTED CONSTRUCTION - Single Solenoid									
1/4	2.0	.07	10	7	40	35	8340A4	16.7/F	19.7/F
SUB-BASE MOUNTED CONSTRUCTION - Dual Solenoid									
1/4	2.0	.07	10	7	40 ①	35 ①	8340A5	10.5/F	19.7/F

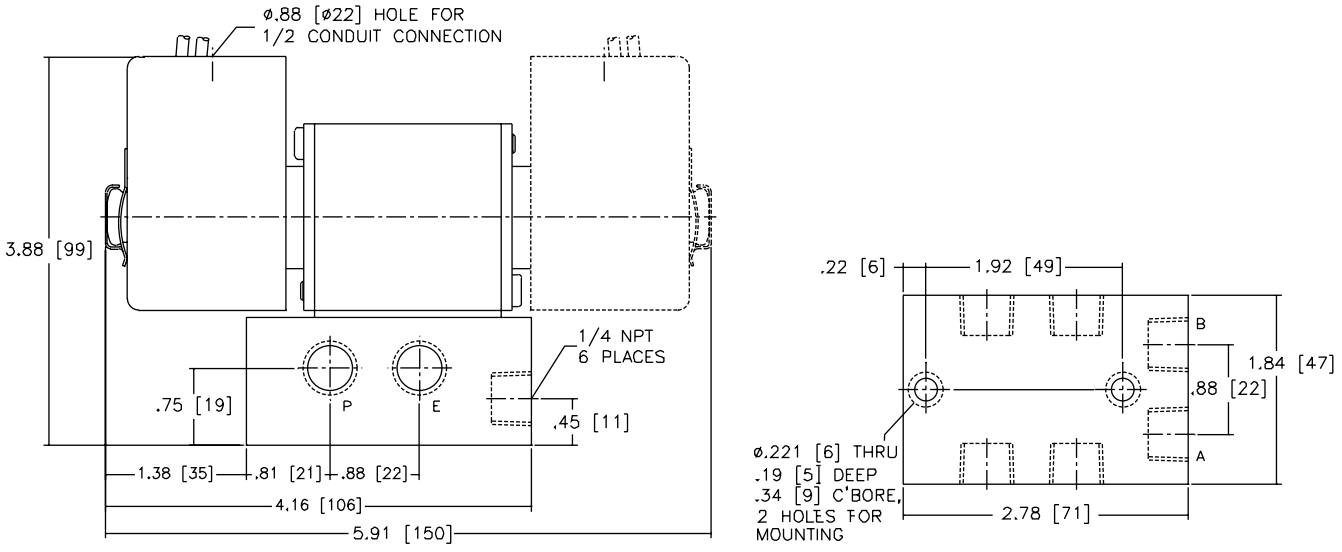
Notes: ① Rating shown for individual mounted valves; when group mounted, maximum UL allowable fluid and ambient temperature is 30°C.

Dimensions: inches (mm)

SINGLE VALVE CONSTRUCTION - SINGLE AND DUAL SOLENOIDS



SUB-BASE MOUNTED SINGLE AND DUAL SOLENOID CONSTRUCTION

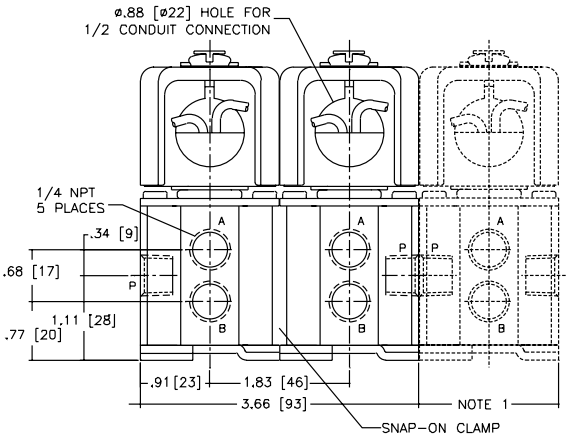


Note: Dual solenoid shown dotted in.

Dimensions: inches (mm)

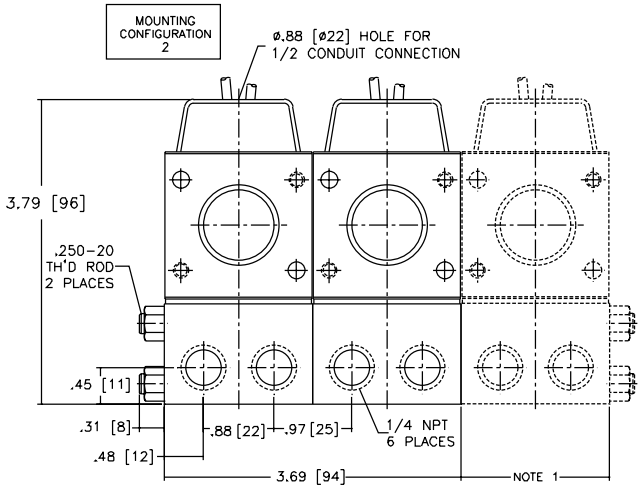
Mounting Brackets		
Catalog Number	**With General Purpose Solenoid Enclosure**	**When Manual Operator Is Used**
8340G1	Mounting Holes on Body	Order Kit No. 206-737
8340G2	Standard	NA
8340A3	Mounting Holes on Body	Order Kit No. 206-554
8340A4	Mounting Holes on Body	NA
8340A5	Mounting Holes on Body	NA
8340A8	Standard when factory assembled, but must order Kit No. 206-554 for individual valves.	NA
NA - Not Available.		

GROUP MOUNTED CONSTRUCTION SINGLE SOLENOID

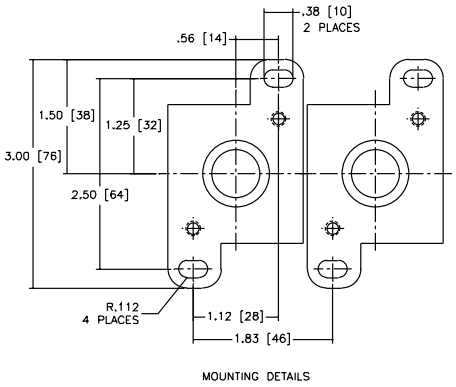


NOTE 1: FOR EACH ADDITIONAL VALVE ADD 1.83 [46].

SUB-BASE MOUNTED CONSTRUCTION
(Shown as Group Mounted)

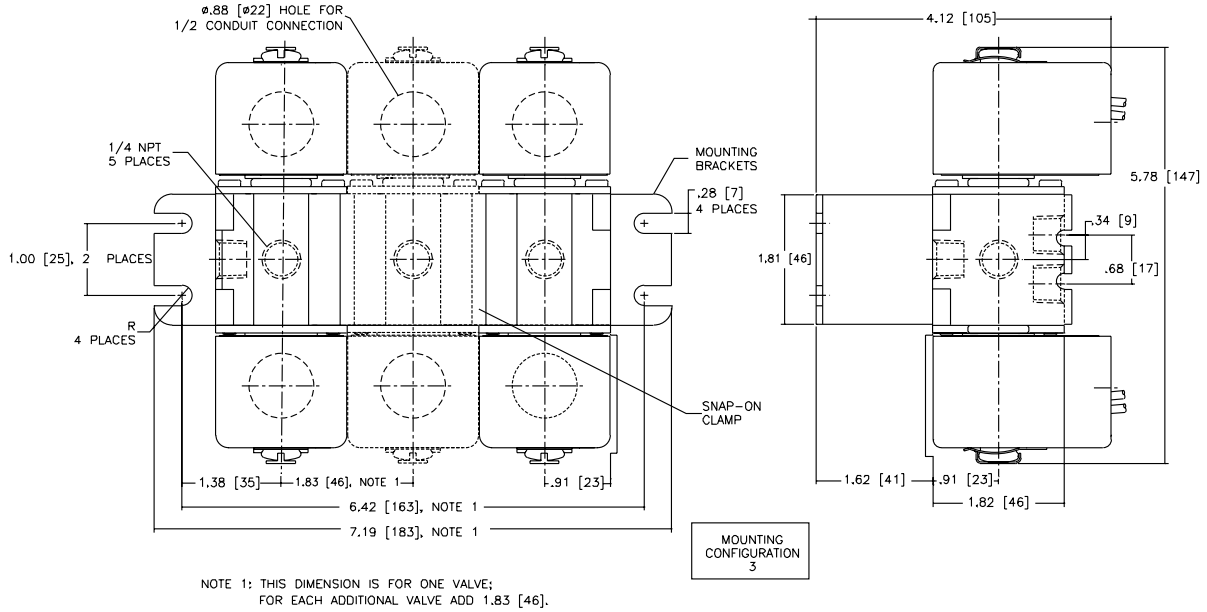


NOTE 1: FOR EACH ADDITIONAL VALVE ADD 1.84 [47].



MOUNTING DETAILS

GROUP MOUNTED CONSTRUCTION - DUAL SOLENOID



NOTE 1: THIS DIMENSION IS FOR ONE VALVE;
FOR EACH ADDITIONAL VALVE ADD 1.83 [46].