

## Features

- Ideal for valve automation for the oil and gas market
- Reliable, robust design with high flow performance
- Corrosion Resistant - 316L Stainless Steel valve materials make it ideal for offshore and harsh environments
- Solenoid options with Factory Sealed Leads reduces installation time
- Explosion-proof solenoid options
- ATEX & IECEx, UL and CSA global approval options for hazardous locations
- Rated for air, inert gas and sweet dry natural gas

## Construction

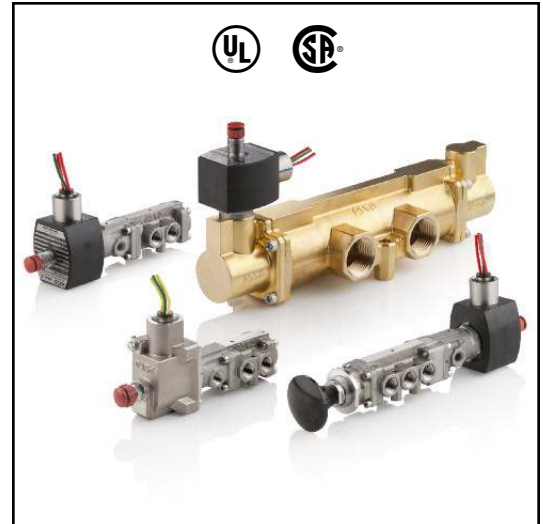
| Valve Parts in Contact with Fluids |                                         |
|------------------------------------|-----------------------------------------|
| Body                               | 316L Stainless Steel, Brass             |
| Spring                             | Cobalt Alloy                            |
| Seals                              | FKM (standard), Low Temp NBR (optional) |
| Core and Plugnut                   | 430F Stainless Steel                    |
| Spool                              | 316L Stainless Steel                    |

## Electrical

| Coil Options                 | Insulation Class | Wattage | Spare Coil Part Number |
|------------------------------|------------------|---------|------------------------|
| Intrinsically Safe           | H                | 0.48 W  | 298006                 |
| Ultra Low Power              | F                | 0.55 W  | 274714                 |
| Standard Low Power           | F                | 1.4 W   | 274714                 |
| Compact Low Power            | F                | 1.8 W   | 437962                 |
| Standard AC                  | F                | 10.1 W  | 274614                 |
| Standard DC                  | F                | 11.6 W  | 274714                 |
| Stainless Steel Encapsulated | F                | 1.8 W   | 505434                 |

**IMPORTANT:** Supervisory & leakage current above the drop out current listed will cause improper operation. Consult your local ASCO sales office for additional assistance.

| Description                  | Wattage | Voltage (DC) | Min. Pull In (mA) | Drop Out (mA) | Coil Resistance at 68°F (20°C) (Ohms) |
|------------------------------|---------|--------------|-------------------|---------------|---------------------------------------|
| Ultra Low Power              | 0.55 W  | 12V          | 34.0              | 3.63          | 255                                   |
|                              |         | 24V          | 17.0              | 1.80          | 1025                                  |
|                              |         | 48V          | 8.5               | 0.91          | 4080                                  |
|                              |         | 125V         | 3.2               | 0.34          | 27,400                                |
| Standard Low Power           | 1.4 W   | 12 V         | 83.5              | 13.9          | 102                                   |
|                              |         | 24 V         | 42.0              | 7.0           | 410                                   |
| Compact Low Power            | 1.8 W   | 12 V         | 95.0              | 20.0          | 80                                    |
|                              |         | 24 V         | 47.0              | 10.0          | 320                                   |
| Stainless Steel Encapsulated | 1.8 W   | 12 V         | 99.0              | 18.0          | 80                                    |
|                              |         | 24 V         | 47.0              | 10.0          | 320                                   |



## Nominal Ambient Temp. Ranges

### Ultra Low Power and Intrinsically Safe:

Standard FKM: -5°F to 149°F (-20°C to 65°C)

Low Temp NBR: -40°F to 149°F (-40°C to 65°C)

### Standard Low Power:

Standard FKM: -5°F to 140°F (-20°C to 60°C)

Low Temp NBR: -40°F to 140°F (-40°C to 60°C)

### Compact Power:

Standard FKM: -5°F to 200°F (-20°C to 93°C)

Low Temp NBR: -40°F to 200°F (-40°C to 93°C)

### Standard AC and DC:

Standard FKM: -5°F to 131°F (-20°C to 55°C)

Single & Dual Solenoid Low Temp NBR:

-40°F to 131°F (-40°C to 55°C)

### Stainless Steel Encapsulated:

Standard FKM: -5°F to 194°F (-20°C to 90°C)

**Note:** Low Temperature option for Palm Button and Solenoid Option: -20°F to 200°F (-29°C to 93°C)

## Solenoid Enclosures

**Standard:** Explosionproof and Watertight, Types 4X, 6, and 6P.

*Refer to Engineering Section for fluid and temperature compatibility.*

## Approvals

### Solenoid Only:

UL and CSA Certified for Class I Div. 1 Locations

ATEX, IECEx: Ex d mb

ATEX, IECEx: Ex d

*Refer to Engineering Section for details.*

## Important

These solenoid valves are intended for use on clean dry air, inert gas, or sweet dry natural gas filtered to 40 micron or better. The dew point of the media should be at least 10°C (18°F) below the minimum temperature to which any portion of the air, inert gas or sweet dry natural gas system could be exposed to prevent freezing. If lubricated air is used, the lubricants must be compatible with FKM and LT NBR elastomers. Instrument air in compliance with ANSI/ISA Standard 7.0.01-1996 exceeds the above requirements and is, therefore, an acceptable media for these valves.

## How to order

**8 362 A 1 01 H1 1 1 2 F1**

### Connection Type

8 = NPT

### Product Series

362 = 3 way for Process Automation  
 562 = 4 way for Process Automation

Select version from Specification Tables on following pages.  
 (Configurator available at [www.asco.com](http://www.asco.com))

### Voltage

F0 120/60, 110/50 Class F  
 F1 24/DC Class F  
 F3 12/DC Class F  
 H1 24/DC Class H

### Solenoid Type/Orientation

1 Compact Low Power (1.8W)  
 2 Low Power (1.4W)  
 3 Stainless Steel Encapsulated (1.8 W)  
 4 Ultra Low Power (0.55W)  
 5 Intrinsically Safe Low Power (0.48W)  
 6 Standard AC (10.1W)  
 7 Standard DC (11.6W)  
 A Compact Low Power (1.8W) / 90 Degree Solenoid  
 C Low Power (1.4W) / 90 Degree Solenoid  
 D Stainless Steel Encapsulated (1.8W) / 90 Degree Solenoid  
 E Ultra Low Power (0.55W) / 90 Degree Solenoid  
 F Intrinsically Safe Low Power (0.48W) / 90 Degree Solenoid  
 G Standard AC (10.1W) / 90 Degree Solenoid  
 H Standard DC (11.6W) / 90 Degree Solenoid

### Elastomer/Manual Override

1 FKM  
 2 FKM with MO\*  
 3 Low Temperature NBR  
 4 Low Temperature NBR with MO\*  
 \*(3/4" and 1" only)

## Specifications English units (Metric)

| Pipe Size (in)                            | Base Catalog Number ① |                 | Function                                                 | Solenoid Orientation | Flow Cv (Kv) | Main Operating Pressure Differential psi (bar) ② |            | External Pilot Pressure psi (bar) |            | Max. Fluid Temp. °F (°C) | Product Weight kgs | Const. Ref. |
|-------------------------------------------|-----------------------|-----------------|----------------------------------------------------------|----------------------|--------------|--------------------------------------------------|------------|-----------------------------------|------------|--------------------------|--------------------|-------------|
|                                           | Stainless Steel       | Brass           |                                                          |                      |              | Min.                                             | Max.       | Min.                              | Max.       |                          |                    |             |
| Normally Closed / Internally Piloted      |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                                      | 8362A101H181_F1       | N/A             | Single Solenoid/Spring Return                            | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.02               | 1           |
| 1/4"                                      | 8362A102H181_F1       | N/A             | Single Solenoid, Palm Button /Spring Return              | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.33               | 2           |
| 1/4"                                      | 8362A104H181_F1       | N/A             | Single Solenoid With Latching/Spring Return              | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.38               | 3           |
| 1/4"                                      | 8362A105H181_F1       | N/A             | Single Solenoid, Palm Button With Latching/Spring Return | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.40               | 4           |
| 1/4"                                      | 8362A101H181_F1       | N/A             | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.84               | 5           |
| 3/4"                                      | 8362A401H181_F1       | -               | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 13.0 (11.2)  | 50 (3.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 4.85               | 35          |
| 3/4"                                      | -                     | 8362AE01H181_F1 | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 13.0 (11.2)  | 50 (3.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 5.36               | 35          |
| 1"                                        | 8362A501H181_F1       | -               | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 15.5 (13.4)  | 50 (3.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 4.76               | 35          |
| 1"                                        | -                     | 8362AF01H181_F1 | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 15.5 (13.4)  | 50 (3.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 5.17               | 35          |
| 1/4"                                      | 8362A102H181_F1       | N/A             | Single Solenoid, Palm Button /Spring Return              | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.79               | 6           |
| 1/4"                                      | 8362A104H181_F1       | N/A             | Single Solenoid With Latching/Spring Return              | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 3.52               | 7           |
| 1/4"                                      | 8362A105H181_F1       | N/A             | Single Solenoid, Palm Button With Latching/Spring Return | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 3.45               | 8           |
| Normally Closed / Externally Piloted      |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                                      | 8362A101H101_F1       | N/A             | Single Solenoid/Spring Return                            | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.02               | 1           |
| 1/4"                                      | 8362A102H101_F1       | N/A             | Single Solenoid, Palm Button /Spring Return              | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.33               | 2           |
| 1/4"                                      | 8362A104H101_F1       | N/A             | Single Solenoid With Latching/Spring Return              | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.38               | 3           |
| 1/4"                                      | 8362A105H101_F1       | N/A             | Single Solenoid, Palm Button With Latching/Spring Return | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.40               | 4           |
| 1/4"                                      | 8362A101H101_F1       | N/A             | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.84               | 5           |
| 3/4"                                      | 8362A401H101_F1       | -               | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 13.0 (11.2)  | 0                                                | 200 (13.8) | 50 (3.4)                          | 150 (10.3) | 200 (93)                 | 4.89               | 35          |
| 3/4"                                      | -                     | 8362AE01H101_F1 | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 13.0 (11.2)  | 0                                                | 200 (13.8) | 50 (3.4)                          | 150 (10.3) | 200 (93)                 | 5.36               | 35          |
| 1"                                        | 8362A501H101_F1       | -               | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 15.5 (13.4)  | 0                                                | 200 (13.8) | 50 (3.4)                          | 150 (10.3) | 200 (93)                 | 4.76               | 35          |
| 1"                                        | -                     | 8362AF01H101_F1 | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 15.5 (13.4)  | 0                                                | 200 (13.8) | 50 (3.4)                          | 150 (10.3) | 200 (93)                 | 5.17               | 35          |
| 1/4"                                      | 8362A102H101_F1       | N/A             | Single Solenoid, Palm Button /Spring Return              | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.79               | 6           |
| 1/4"                                      | 8362A104H101_F1       | N/A             | Single Solenoid With Latching/Spring Return              | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 3.52               | 7           |
| 1/4"                                      | 8362A105H101_F1       | N/A             | Single Solenoid, Palm Button With Latching/Spring Return | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 3.45               | 8           |
| Normally Open / Internally Piloted        |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                                      | 8362A101H191_F1       | N/A             | Single Solenoid/Spring Return                            | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.02               | 9           |
| 1/4"                                      | 8362A102H191_F1       | N/A             | Single Solenoid, Palm Button /Spring Return              | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.33               | 10          |
| 1/4"                                      | 8362A104H191_F1       | N/A             | Single Solenoid With Latching/Spring Return              | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.38               | 11          |
| 1/4"                                      | 8362A105H191_F1       | N/A             | Single Solenoid, Palm Button With Latching/Spring Return | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.40               | 12          |
| 1/4"                                      | 8362A101H191_F1       | N/A             | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.84               | 13          |
| 3/4"                                      | 8362A401H191_F1       | -               | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 13.0 (11.2)  | 50 (3.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 4.85               | 35          |
| 3/4"                                      | -                     | 8362AE01H191_F1 | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 13.0 (11.2)  | 50 (3.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 5.36               | 35          |
| 1"                                        | 8362A501H191_F1       | -               | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 15.5 (13.4)  | 50 (3.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 4.76               | 35          |
| 1"                                        | -                     | 8362AF01H191_F1 | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 15.5 (13.4)  | 50 (3.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 5.17               | 35          |
| 1/4"                                      | 8362A102H191_F1       | N/A             | Single Solenoid, Palm Button /Spring Return              | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.79               | 14          |
| 1/4"                                      | 8362A104H191_F1       | N/A             | Single Solenoid With Latching/Spring Return              | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 3.52               | 15          |
| 1/4"                                      | 8362A105H191_F1       | N/A             | Single Solenoid, Palm Button With Latching/Spring Return | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 3.45               | 16          |
| Normally Open / Externally Piloted        |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                                      | 8362A101H111_F1       | N/A             | Single Solenoid/Spring Return                            | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.02               | 9           |
| 1/4"                                      | 8362A102H111_F1       | N/A             | Single Solenoid, Palm Button /Spring Return              | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.33               | 10          |
| 1/4"                                      | 8362A104H111_F1       | N/A             | Single Solenoid With Latching/Spring Return              | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.38               | 11          |
| 1/4"                                      | 8362A105H111_F1       | N/A             | Single Solenoid, Palm Button With Latching/Spring Return | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.40               | 12          |
| 1/4"                                      | 8362A101H111_F1       | N/A             | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.84               | 13          |
| 3/4"                                      | 8362A401H111_F1       | -               | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 13.0 (11.2)  | 0                                                | 200 (13.8) | 50 (3.4)                          | 150 (10.3) | 200 (93)                 | 4.89               | 35          |
| 3/4"                                      | -                     | 8362AE01H111_F1 | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 13.0 (11.2)  | 0                                                | 200 (13.8) | 50 (3.4)                          | 150 (10.3) | 200 (93)                 | 5.36               | 35          |
| 1"                                        | 8362A501H111_F1       | -               | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 15.5 (13.4)  | 0                                                | 200 (13.8) | 50 (3.4)                          | 150 (10.3) | 200 (93)                 | 4.76               | 35          |
| 1"                                        | -                     | 8362AF01H111_F1 | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 15.5 (13.4)  | 0                                                | 200 (13.8) | 50 (3.4)                          | 150 (10.3) | 200 (93)                 | 5.17               | 35          |
| 1/4"                                      | 8362A102H111_F1       | N/A             | Single Solenoid, Palm Button /Spring Return              | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.79               | 14          |
| 1/4"                                      | 8362A104H111_F1       | N/A             | Single Solenoid With Latching/Spring Return              | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 3.52               | 15          |
| 1/4"                                      | 8362A105H111_F1       | N/A             | Single Solenoid, Palm Button With Latching/Spring Return | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 3.45               | 16          |
| Normally Closed Detent/Internally Piloted |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                                      | 8362A103H1D1_F1       | N/A             | Single Solenoid, Palm Button/Manual Return               | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.51               | 17          |
| 1/4"                                      | 8362A103H1D1_F1       | N/A             | Single Solenoid, Palm Button/Manual Return               | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.51               | 18          |
| Normally Closed Detent/Externally Piloted |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                                      | 8362A103H141_F1       | N/A             | Single Solenoid, Palm Button/Manual Return               | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.51               | 17          |
| 1/4"                                      | 8362A103H141_F1       | N/A             | Single Solenoid, Palm Button/Manual Return               | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.51               | 18          |
| Normally Open Detent/Internally Piloted   |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                                      | 8362A103H1E1_F1       | N/A             | Single Solenoid, Palm Button/Manual Return               | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.51               | 19          |
| 1/4"                                      | 8362A103H1E1_F1       | N/A             | Single Solenoid, Palm Button/Manual Return               | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 2.51               | 20          |
| Normally Open Detent/Externally Piloted   |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                                      | 8362A103H151_F1       | N/A             | Single Solenoid, Palm Button/Manual Return               | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.51               | 19          |
| 1/4"                                      | 8362A103H151_F1       | N/A             | Single Solenoid, Palm Button/Manual Return               | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 2.51               | 20          |
| Detent/Internally Piloted                 |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                                      | 8362A106H1G1_F1       | N/A             | Dual Solenoid                                            | Straight             | 2.0 (1.7)    | 15 (1.0)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 4.49               | 21          |
| 1/4"                                      | 8362A106H1G1_F1       | N/A             | Dual Solenoid                                            | 90 Degree Solenoid   | 2.0 (1.7)    | 15 (1.0)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 4.49               | 22          |
| Detent/Externally Piloted                 |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                                      | 8362A106H171_F1       | N/A             | Dual Solenoid                                            | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 15 (1.0)                          | 150 (10.3) | 200 (93)                 | 4.49               | 21          |
| 1/4"                                      | 8362A106H171_F1       | N/A             | Dual Solenoid                                            | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 15 (1.0)                          | 150 (10.3) | 200 (93)                 | 4.49               | 22          |

SPECIAL SERVICE  
PILOT

① Please refer to How to Order section to complete base catalog number selection.

② Maximum pressure is 130 psi (9 bar) internally piloted for Intrinsically Safe and Ultra Low Power versions.

## Specifications English units (Metric)

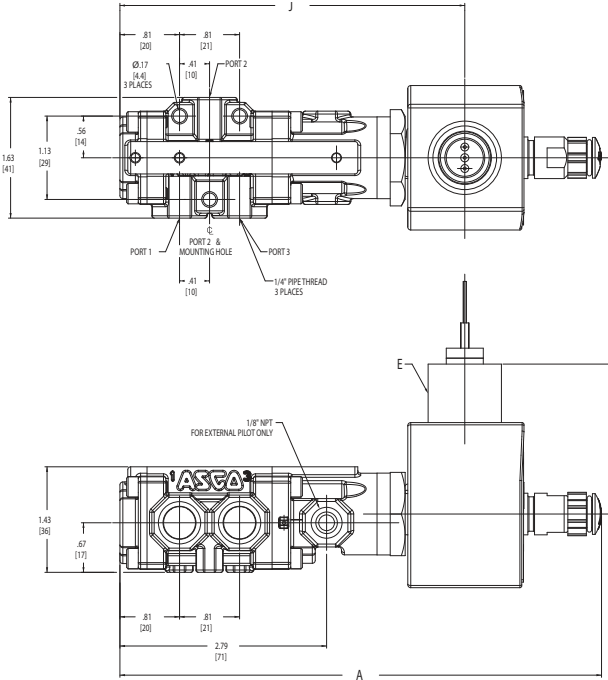
| Pipe Size (in)            | Base Catalog Number ① |                 | Function                                                 | Solenoid Orientation | Flow Cv (Kv) | Main Operating Pressure Differential psi (bar) ② |            | External Pilot Pressure psi (bar) |            | Max. Fluid Temp. °F (°C) | Product Weight kgs | Const. Ref. |
|---------------------------|-----------------------|-----------------|----------------------------------------------------------|----------------------|--------------|--------------------------------------------------|------------|-----------------------------------|------------|--------------------------|--------------------|-------------|
|                           | Stainless Steel       | Brass           |                                                          |                      |              | Min.                                             | Max.       | Min.                              | Max.       |                          |                    |             |
|                           |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| Externally Piloted        |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                      | 8562A101H131_F1       | N/A             | Single Solenoid/Spring Return                            | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 3.61               | 23          |
| 1/4"                      | 8562A102H131_F1       | N/A             | Single Solenoid,Palm Button /Spring Return               | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 3.92               | 24          |
| 1/4"                      | 8562A104H131_F1       | N/A             | Single Solenoid With Latching/Spring Return              | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 3.96               | 25          |
| 1/4"                      | 8562A105H131_F1       | N/A             | Single Solenoid, Palm Button With Latching/Spring Return | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 3.99               | 26          |
| 1/4"                      | 8562A101H131_F1       | N/A             | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 4.43               | 27          |
| 3/4"                      | 8562A401H131_F1       | -               | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 13.0 (11.2)  | 0                                                | 200 (13.8) | 50 (3.4)                          | 150 (10.3) | 200 (93)                 | 6.28               | 36          |
| 3/4"                      | -                     | 8562AE01H131_F1 | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 13.0 (11.2)  | 0                                                | 200 (13.8) | 50 (3.4)                          | 150 (10.3) | 200 (93)                 | 7.00               | 36          |
| 1"                        | 8562A501H131_F1       | -               | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 15.5 (13.4)  | 0                                                | 200 (13.8) | 50 (3.4)                          | 150 (10.3) | 200 (93)                 | 6.05               | 36          |
| 1"                        | -                     | 8562AF01H131_F1 | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 15.5 (13.4)  | 0                                                | 200 (13.8) | 50 (3.4)                          | 150 (10.3) | 200 (93)                 | 6.69               | 36          |
| 3/4"                      | 8362A406H131_F1       | -               | Dual Solenoid                                            | 90 Degree Solenoid   | 13.0 (11.2)  | 0                                                | 200 (13.8) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 5.47               | 37          |
| 3/4"                      | -                     | 8362AE06H131_F1 | Dual Solenoid                                            | 90 Degree Solenoid   | 13.0 (11.2)  | 0                                                | 200 (13.8) | 20 (1.4)                          | 150 (10.3) | 200 (93)                 | 5.94               | 37          |
| 1"                        | 8362A506H131_F1       | -               | Dual Solenoid                                            | 90 Degree Solenoid   | 15.5 (13.4)  | 0                                                | 200 (13.8) | 20 (1.4)                          | 150 (10.3) | 200 (93)                 | 5.34               | 37          |
| 1"                        | -                     | 8362AF06H131_F1 | Dual Solenoid                                            | 90 Degree Solenoid   | 15.5 (13.4)  | 0                                                | 200 (13.8) | 20 (1.4)                          | 150 (10.3) | 200 (93)                 | 5.75               | 37          |
| 3/4"                      | 8562A406H131_F1       | -               | Dual Solenoid                                            | 90 Degree Solenoid   | 13.0 (11.2)  | 0                                                | 200 (13.8) | 20 (1.4)                          | 150 (10.3) | 200 (93)                 | 6.86               | 38          |
| 3/4"                      | -                     | 8562AE06H131_F1 | Dual Solenoid                                            | 90 Degree Solenoid   | 13.0 (11.2)  | 0                                                | 200 (13.8) | 20 (1.4)                          | 150 (10.3) | 200 (93)                 | 7.38               | 38          |
| 1"                        | 8562A506H131_F1       | -               | Dual Solenoid                                            | 90 Degree Solenoid   | 15.5 (13.4)  | 0                                                | 200 (13.8) | 20 (1.4)                          | 150 (10.3) | 200 (93)                 | 6.63               | 38          |
| 1"                        | -                     | 8562AF06H131_F1 | Dual Solenoid                                            | 90 Degree Solenoid   | 15.5 (13.4)  | 0                                                | 200 (13.8) | 20 (1.4)                          | 150 (10.3) | 200 (93)                 | 7.27               | 38          |
| 1/4"                      | 8562A102H131_F1       | N/A             | Single Solenoid,Palm Button /Spring Return               | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 4.38               | 28          |
| 1/4"                      | 8562A104H131_F1       | N/A             | Single Solenoid With Latching/Spring Return              | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 5.11               | 29          |
| 1/4"                      | 8562A105H131_F1       | N/A             | Single Solenoid, Palm Button With Latching/Spring Return | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 5.04               | 30          |
| Detent/Externally Piloted |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                      | 8562A106H171_F1       | N/A             | Dual Solenoid                                            | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 15 (1.0)                          | 150 (10.3) | 200 (93)                 | 6.08               | 31          |
| 1/4"                      | 8562A103H171_F1       | N/A             | Single Solenoid, Palm Button/Manual Return               | Straight             | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 4.10               | 32          |
| 1/4"                      | 8562A106H171_F1       | N/A             | Dual Solenoid                                            | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 15 (1.0)                          | 150 (10.3) | 200 (93)                 | 6.08               | 33          |
| 1/4"                      | 8562A103H171_F1       | N/A             | Single Solenoid, Palm Button/Manual Return               | 90 Degree Solenoid   | 2.0 (1.7)    | 0                                                | 150 (10.3) | 25 (1.8)                          | 150 (10.3) | 200 (93)                 | 6.08               | 34          |
| Internally Piloted        |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                      | 8562A101H1C1_F1       | N/A             | Single Solenoid/Spring Return                            | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 3.61               | 23          |
| 1/4"                      | 8562A102H1C1_F1       | N/A             | Single Solenoid,Palm Button /Spring Return               | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 3.92               | 24          |
| 1/4"                      | 8562A104H1C1_F1       | N/A             | Single Solenoid With Latching/Spring Return              | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 3.96               | 25          |
| 1/4"                      | 8562A105H1C1_F1       | N/A             | Single Solenoid, Palm Button With Latching/Spring Return | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 3.99               | 26          |
| 1/4"                      | 8562A101H1C1_F1       | N/A             | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 4.43               | 27          |
| 3/4"                      | 8562A401H1C1_F1       | -               | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 13.0 (11.2)  | 50 (3.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 6.20               | 36          |
| 3/4"                      | -                     | 8562AE01H1C1_F1 | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 13.0 (11.2)  | 50 (3.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 7.00               | 36          |
| 1"                        | 8562A501H1C1_F1       | -               | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 15.5 (13.4)  | 50 (3.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 5.97               | 36          |
| 1"                        | -                     | 8562AF01H1C1_F1 | Single Solenoid/Spring Return                            | 90 Degree Solenoid   | 15.5 (13.4)  | 50 (3.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 6.69               | 36          |
| 3/4"                      | 8362A406H1C1_F1       | -               | Dual Solenoid                                            | 90 Degree Solenoid   | 13.0 (11.2)  | 20 (1.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 5.43               | 37          |
| 3/4"                      | -                     | 8362AE06H1C1_F1 | Dual Solenoid                                            | 90 Degree Solenoid   | 13.0 (11.2)  | 20 (1.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 5.95               | 37          |
| 1"                        | 8362A506H1C1_F1       | -               | Dual Solenoid                                            | 90 Degree Solenoid   | 15.5 (13.4)  | 20 (1.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 5.29               | 37          |
| 1"                        | -                     | 8362AF06H1C1_F1 | Dual Solenoid                                            | 90 Degree Solenoid   | 15.5 (13.4)  | 20 (1.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 5.76               | 37          |
| 3/4"                      | 8562A406H1C1_F1       | -               | Dual Solenoid                                            | 90 Degree Solenoid   | 13.0 (11.2)  | 20 (1.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 6.79               | 38          |
| 3/4"                      | -                     | 8562AE06H1C1_F1 | Dual Solenoid                                            | 90 Degree Solenoid   | 13.0 (11.2)  | 20 (1.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 7.59               | 38          |
| 1"                        | 8562A506H1C1_F1       | -               | Dual Solenoid                                            | 90 Degree Solenoid   | 15.5 (13.4)  | 20 (1.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 6.56               | 38          |
| 1"                        | -                     | 8562AF06H1C1_F1 | Dual Solenoid                                            | 90 Degree Solenoid   | 15.5 (13.4)  | 20 (1.4)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 7.28               | 38          |
| 1/4"                      | 8562A102H1C1_F1       | N/A             | Single Solenoid,Palm Button /Spring Return               | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 4.38               | 28          |
| 1/4"                      | 8562A104H1C1_F1       | N/A             | Single Solenoid With Latching/Spring Return              | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 5.11               | 29          |
| 1/4"                      | 8562A105H1C1_F1       | N/A             | Single Solenoid, Palm Button With Latching/Spring Return | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 5.04               | 30          |
| Detent/Internally Piloted |                       |                 |                                                          |                      |              |                                                  |            |                                   |            |                          |                    |             |
| 1/4"                      | 8562A106H1G1_F1       | N/A             | Dual Solenoid                                            | Straight             | 2.0 (1.7)    | 15 (1.0)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 6.08               | 31          |
| 1/4"                      | 8562A103H1G1_F1       | N/A             | Single Solenoid, Palm Button/Manual Return               | Straight             | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 4.10               | 32          |
| 1/4"                      | 8562A106H1G1_F1       | N/A             | Dual Solenoid                                            | 90 Degree Solenoid   | 2.0 (1.7)    | 15 (1.0)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 6.08               | 33          |
| 1/4"                      | 8562A103H1G1_F1       | N/A             | Single Solenoid, Palm Button/Manual Return               | 90 Degree Solenoid   | 2.0 (1.7)    | 25 (1.8)                                         | 150 (10.3) | N/A                               | N/A        | 200 (93)                 | 4.10               | 34          |

① Please refer to How to Order section to complete base catalog number selection.

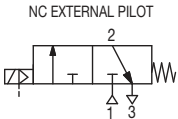
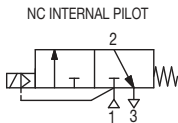
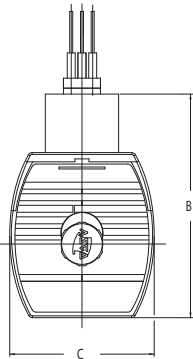
② Maximum pressure is 130 psi (9 bar) internally piloted for Intrinsically Safe and Ultra Low Power versions.

Dimensions: inches (mm)

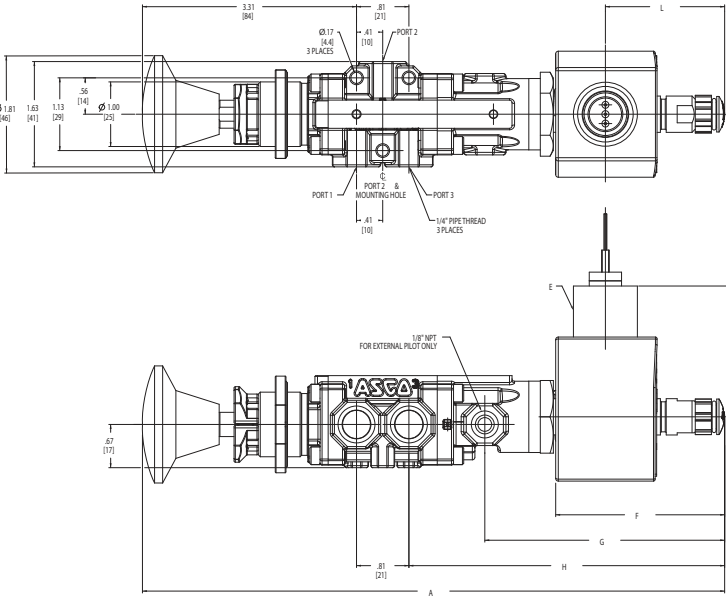
Const. Ref. 1



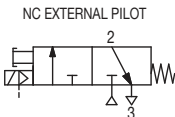
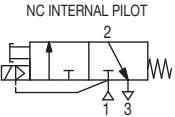
| Dimension | Low Power<br>Standard AC/DC |       | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-------|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm    | inch                 | mm  | inch                            | mm  |
| A         | 6.50                        | 165   | 5.34                 | 136 | 6.3                             | 160 |
| B         | 3.02                        | 77    | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 49.53 | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51    | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |       | 1/2" NPT             |     | 1/2" NPT                        |     |
| J         | 4.66                        | 118   | 4.15                 | 105 | 4.39                            | 111 |



Const. Ref. 2



| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 9.01                        | 229 | 7.85                 | 199 | 8.8                             | 224 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 4.89                        | 124 | 3.73                 | 95  | 4.68                            | 119 |
| L         | 1.85                        | 47  | 1.19                 | 30  | 1.91                            | 49  |

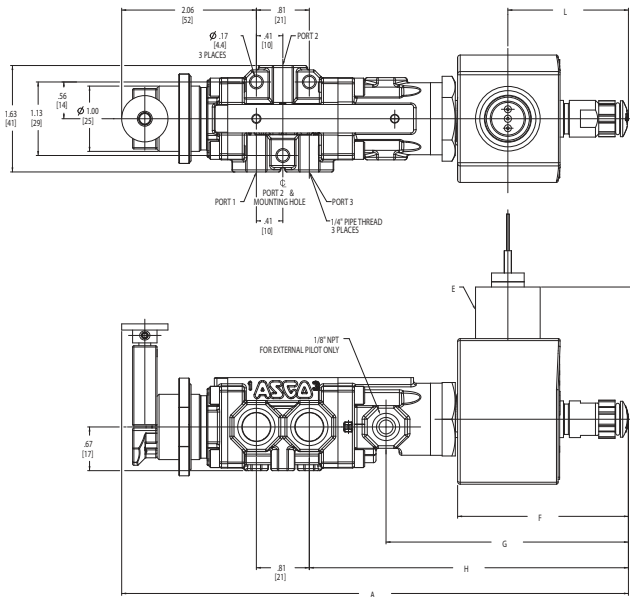


# 3/2•5/2 SERIES 362/562

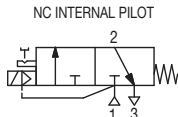
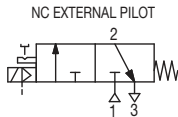
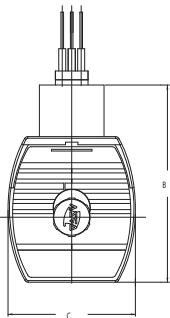


Dimensions: inches (mm)

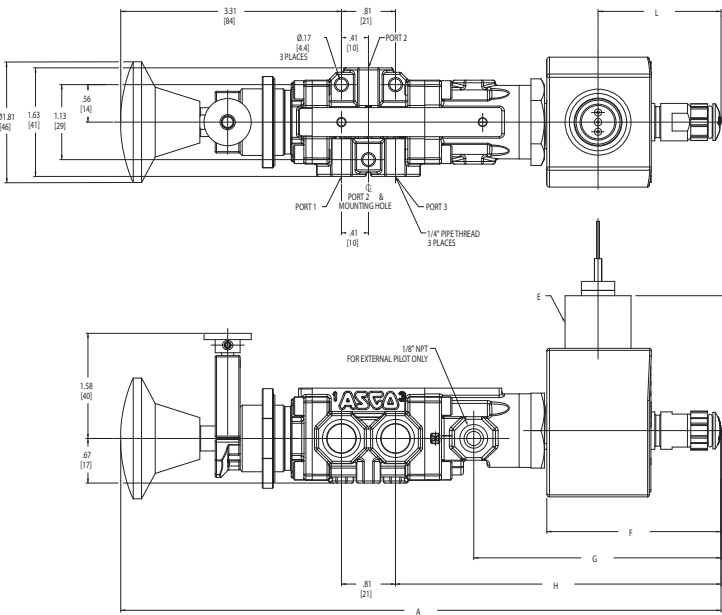
Const. Ref. 3



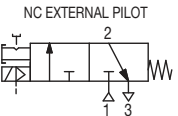
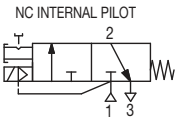
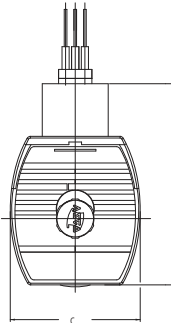
| Dimension | Low Power<br>Standard AC/DC |     | Compact Low<br>Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 7.76                        | 197 | 6.60                 | 168 | 7.55                            | 192 |
| B         | 3.02                        | 77  | 2.81                 | 72  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 4.89                        | 124 | 3.73                 | 95  | 4.68                            | 119 |
| L         | 1.85                        | 47  | 1.19                 | 30  | 1.91                            | 49  |



Const. Ref. 4

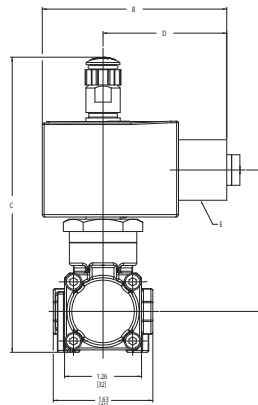
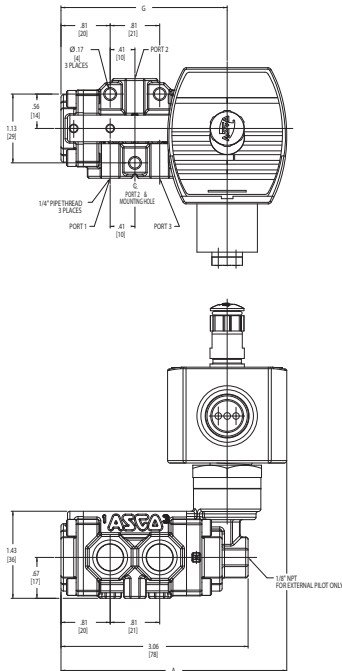


| Dimension | Low Power<br>Standard AC/DC |     | Compact Low<br>Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 9.01                        | 229 | 7.85                 | 199 | 8.8                             | 224 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 4.89                        | 124 | 3.73                 | 95  | 4.68                            | 119 |
| L         | 1.85                        | 47  | 1.19                 | 30  | 1.91                            | 49  |

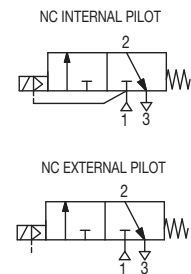


**Dimensions:** inches (mm)

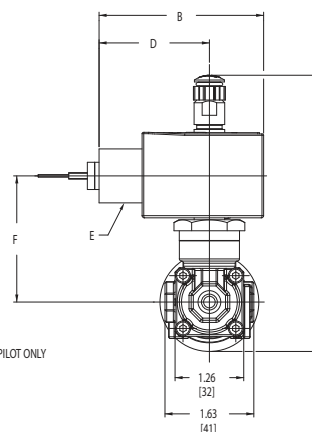
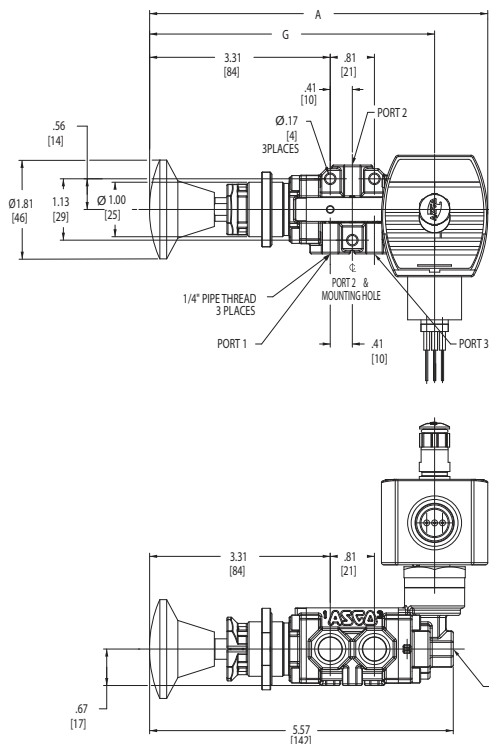
**Const. Ref. 5**



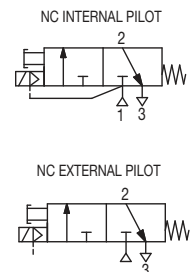
| Dimension | Low Power<br>Standard AC/DC |     | Compact Low<br>Power |    | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm | inch                            | mm  |
| <b>A</b>  | 3.70                        | 94  | 3.35                 | 85 | 3.55                            | 90  |
| <b>B</b>  | 3.02                        | 77  | 2.81                 | 71 | 3.03                            | 77  |
| <b>C</b>  | 4.83                        | 123 | 3.67                 | 93 | 4.62                            | 117 |
| <b>D</b>  | 2.03                        | 51  | 2.20                 | 56 | 2.12                            | 54  |
| <b>E</b>  | 1/2" NPT                    |     | 1/2" NPT             |    | 1/2" NPT                        |     |
| <b>F</b>  | 2.31                        | 59  | 1.81                 | 46 | 2.04                            | 52  |
| <b>G</b>  | 2.72                        | 69  | 2.72                 | 69 | 2.72                            | 69  |



**Const. Ref. 6**

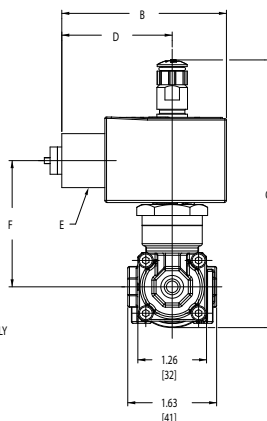
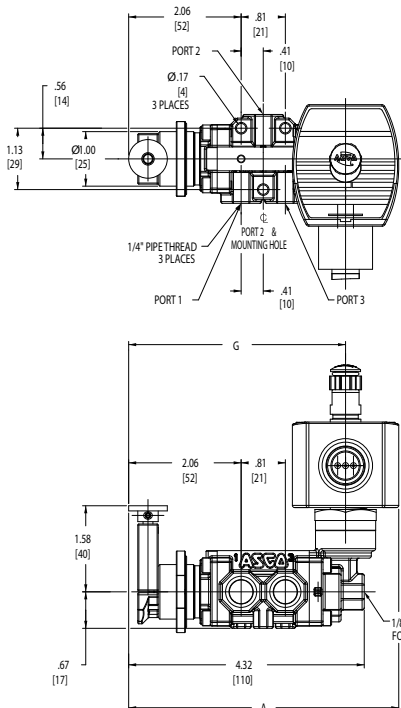


| Dimension | Low Power<br>Standard AC/DC |     | Compact Low<br>Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| <b>A</b>  | 6.20                        | 157 | 5.85                 | 149 | 6.06                            | 154 |
| <b>B</b>  | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| <b>C</b>  | 5.07                        | 129 | 3.91                 | 99  | 4.86                            | 123 |
| <b>D</b>  | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| <b>E</b>  | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| <b>F</b>  | 2.31                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| <b>G</b>  | 5.23                        | 133 | 5.23                 | 133 | 5.23                            | 133 |

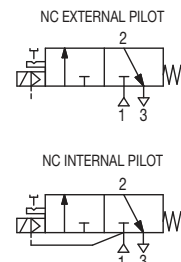


**Dimensions: inches (mm)**

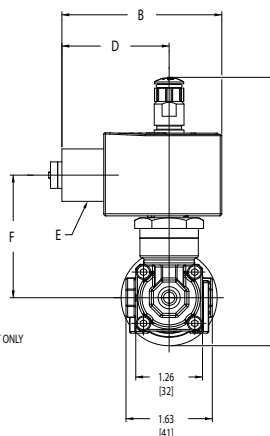
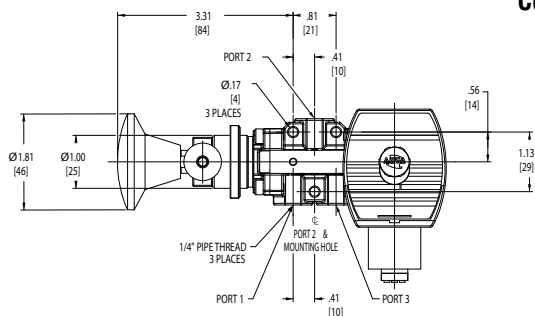
**Const. Ref. 7**



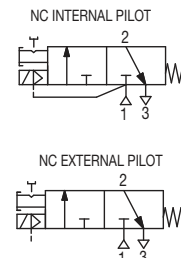
| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 4.95                        | 126 | 4.60                 | 117 | 4.81                            | 122 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 4.91                        | 125 | 3.75                 | 95  | 4.65                            | 118 |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.31                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| G         | 3.98                        | 101 | 3.98                 | 101 | 3.98                            | 101 |



**Const. Ref. 8**

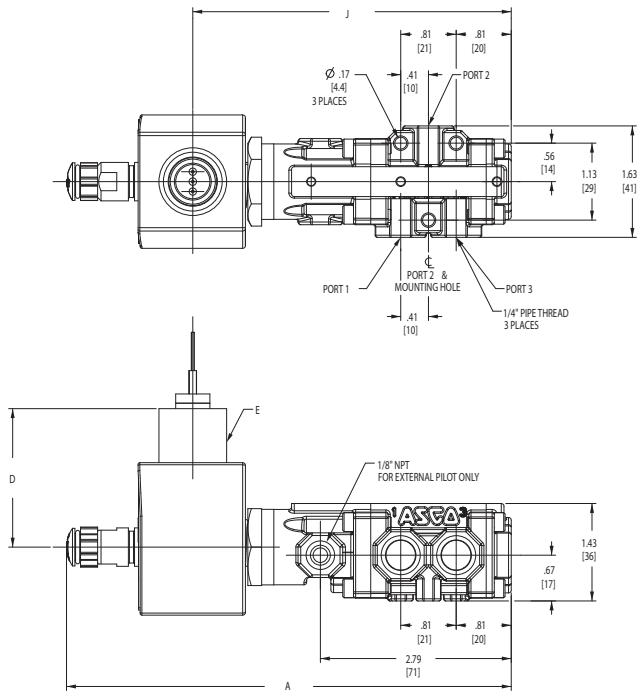


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 6.2                         | 157 | 5.85                 | 149 | 6.06                            | 154 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 5.07                        | 129 | 3.91                 | 99  | 4.86                            | 123 |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.31                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| G         | 5.23                        | 133 | 5.23                 | 133 | 5.23                            | 133 |

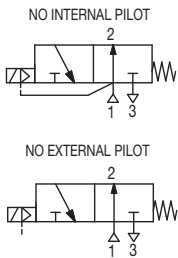
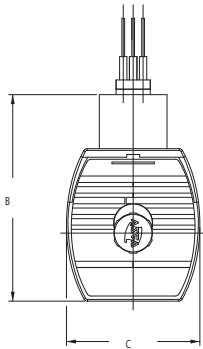


Dimensions: inches (mm)

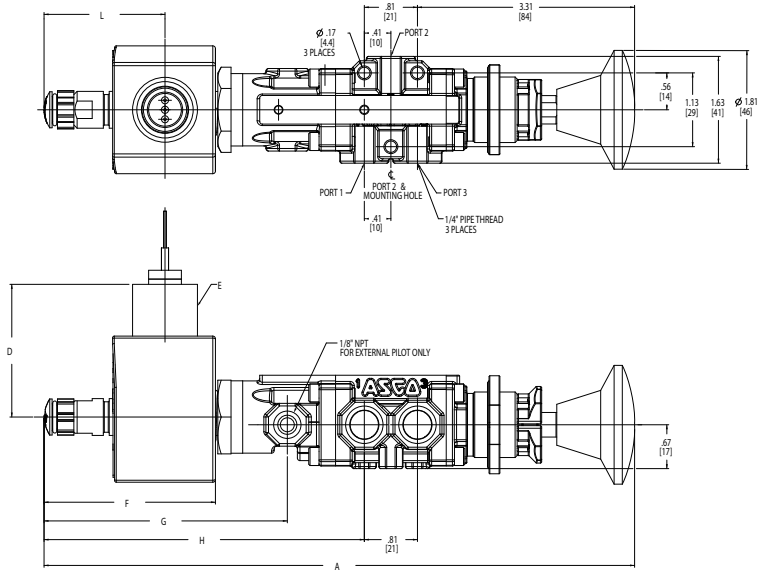
Const. Ref. 9



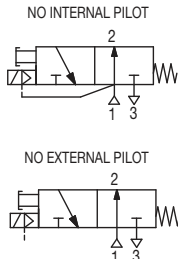
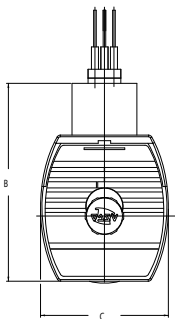
| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 6.50                        | 165 | 5.34                 | 136 | 6.3                             | 160 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2 NPT                     |     | 1/2 NPT              |     | 1/2\" NPT                       |     |
| F         | 2.62                        | 67  | 1.95                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 4.89                        | 124 | 4.54                 | 95  | 4.68                            | 119 |
| J         | 2.22                        | 118 | 4.15                 | 105 | 4.39                            | 111 |



Const. Ref. 10

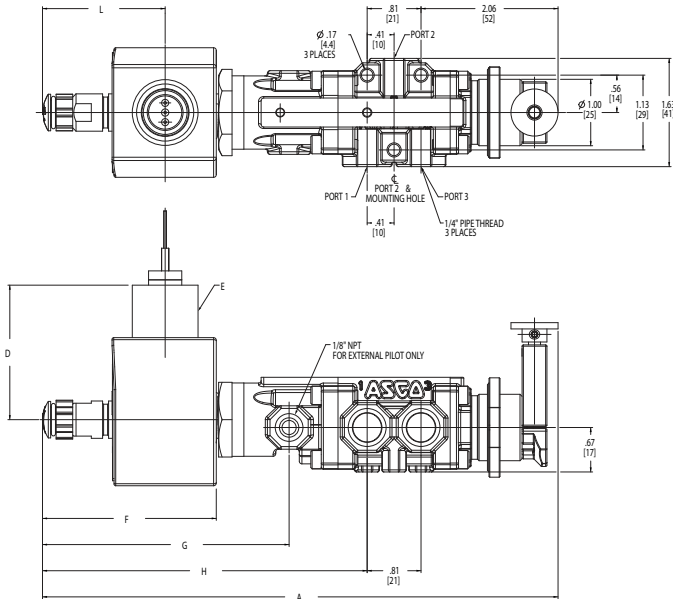


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 9.01                        | 229 | 7.85                 | 199 | 8.8                             | 224 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2\" NPT                   |     | 1/2\" NPT            |     | 1/2\" NPT                       |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 4.89                        | 124 | 3.73                 | 95  | 4.68                            | 119 |
| L         | 1.85                        | 47  | 1.19                 | 30  | 1.91                            | 49  |

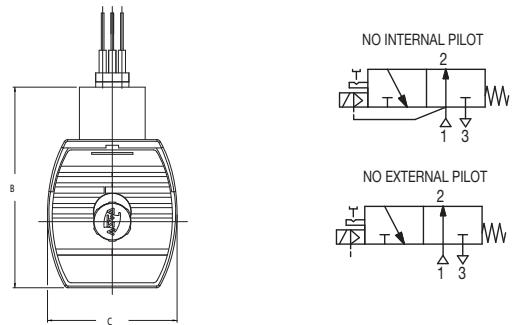


**Dimensions: inches (mm)**

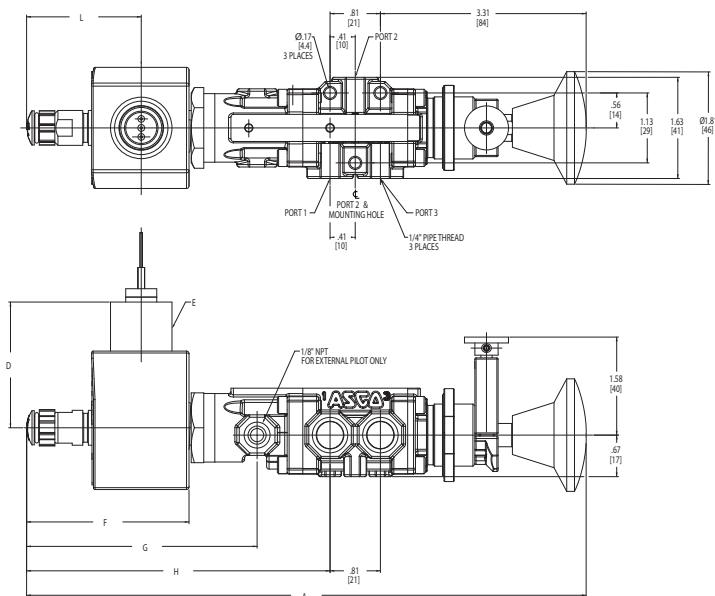
**Const. Ref. 11**



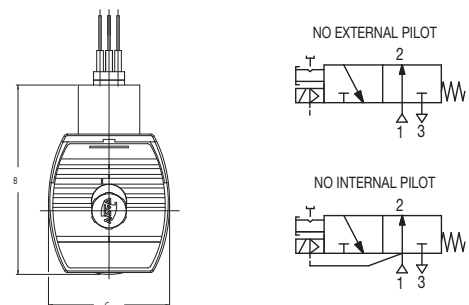
| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 7.76                        | 197 | 6.60                 | 168 | 7.55                            | 192 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 42  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 4.89                        | 124 | 3.73                 | 95  | 4.68                            | 119 |
| L         | 1.85                        | 47  | 1.19                 | 30  | 1.91                            | 49  |



**Const. Ref. 12**

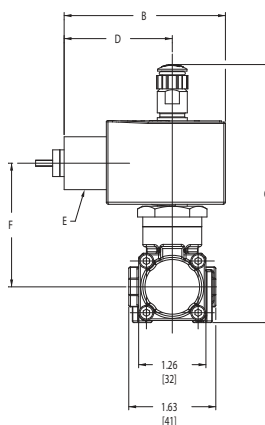
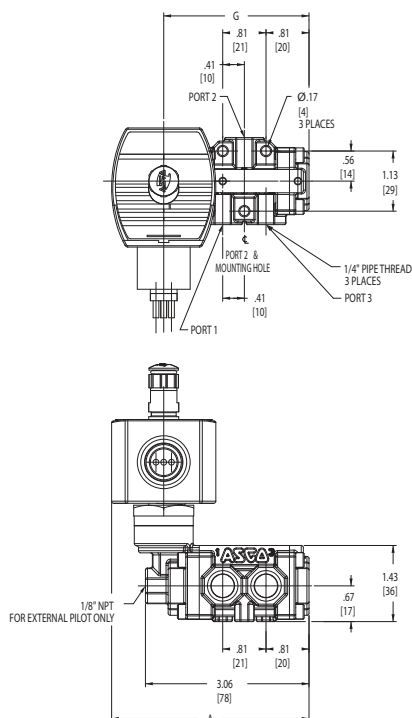


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 9.01                        | 229 | 7.85                 | 199 | 8.8                             | 224 |
| B         | 3.05                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2 NPT                     |     | 1/2 NPT              |     | 1/2" NPT                        |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 4.89                        | 124 | 3.73                 | 95  | 4.68                            | 119 |
| J         | 7.17                        | 182 | 6.66                 | 169 | 6.89                            | 175 |

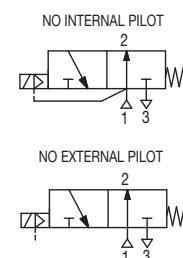


## Dimensions: inches (mm)

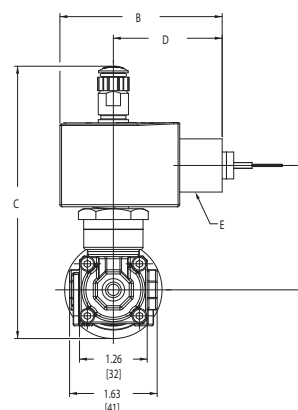
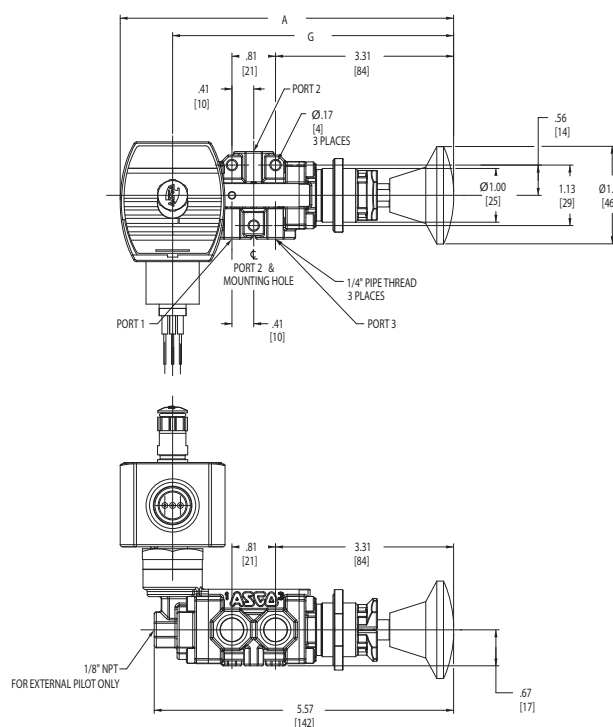
Const. Ref. 13



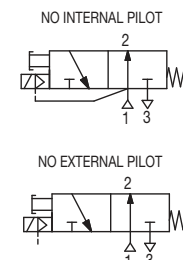
| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |    | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm | inch                            | mm  |
| A         | 3.70                        | 94  | 3.34                 | 85 | 3.55                            | 90  |
| B         | 3.02                        | 77  | 2.81                 | 71 | 3.03                            | 77  |
| C         | 4.83                        | 123 | 3.67                 | 93 | 4.62                            | 117 |
| D         | 2.03                        | 51  | 2.20                 | 56 | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |    | 1/2" NPT                        |     |
| F         | 2.31                        | 59  | 1.81                 | 46 | 2.04                            | 52  |
| G         | 2.72                        | 69  | 2.72                 | 69 | 2.72                            | 69  |



Const. Ref. 14

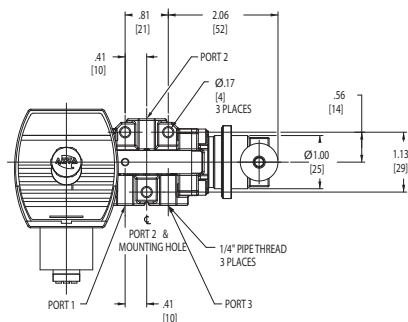


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 6.20                        | 157 | 5.85                 | 149 | 6.06                            | 154 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 5.07                        | 129 | 3.91                 | 99  | 4.86                            | 123 |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.31                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| G         | 5.23                        | 133 | 5.23                 | 133 | 5.23                            | 133 |

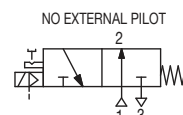
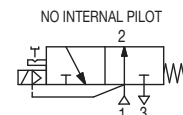
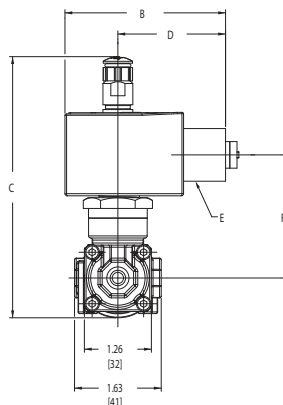
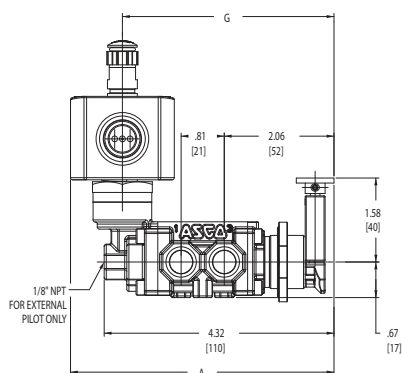


**Dimensions: inches (mm)**

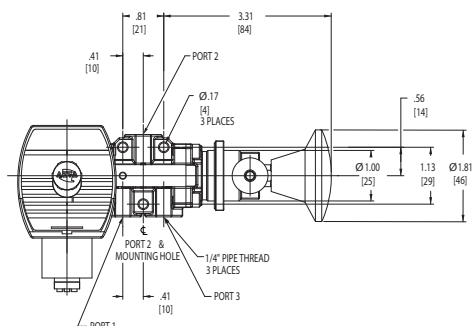
**Const. Ref. 15**



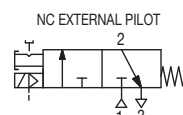
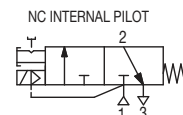
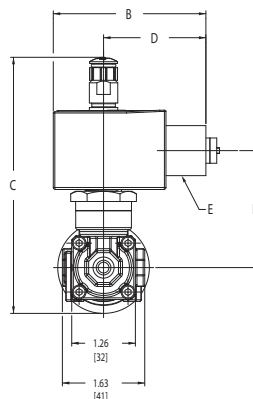
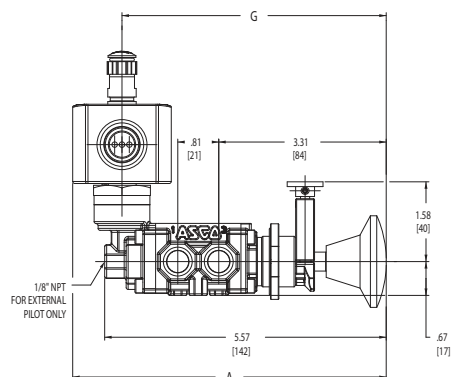
| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| <b>A</b>  | 4.95                        | 126 | 4.60                 | 117 | 4.81                            | 122 |
| <b>B</b>  | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| <b>C</b>  | 4.91                        | 125 | 3.75                 | 95  | 4.7                             | 119 |
| <b>D</b>  | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| <b>E</b>  | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| <b>F</b>  | 2.31                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| <b>G</b>  | 3.98                        | 101 | 3.98                 | 101 | 3.98                            | 101 |



**Const. Ref. 16**

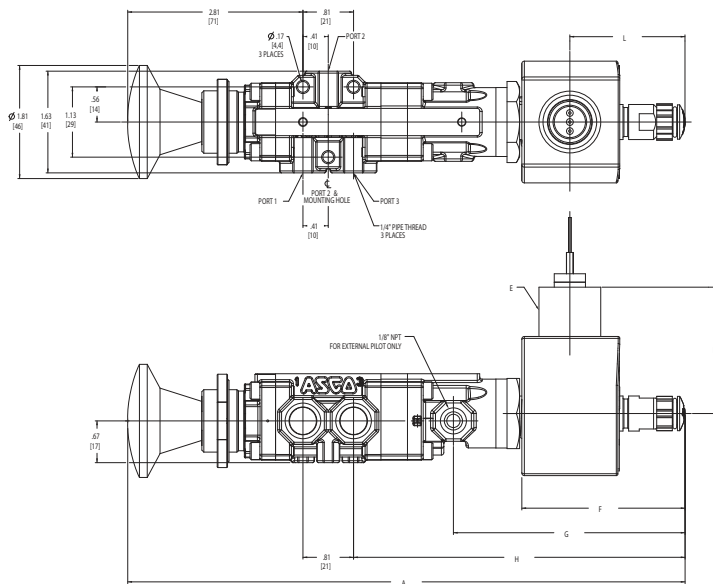


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| <b>A</b>  | 6.2                         | 157 | 5.85                 | 149 | 6.06                            | 154 |
| <b>B</b>  | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| <b>C</b>  | 5.07                        | 129 | 3.91                 | 99  | 4.86                            | 123 |
| <b>D</b>  | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| <b>E</b>  | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| <b>F</b>  | 2.32                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| <b>G</b>  | 5.23                        | 133 | 5.23                 | 133 | 5.23                            | 133 |

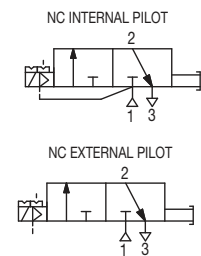


**Dimensions:** inches (mm)

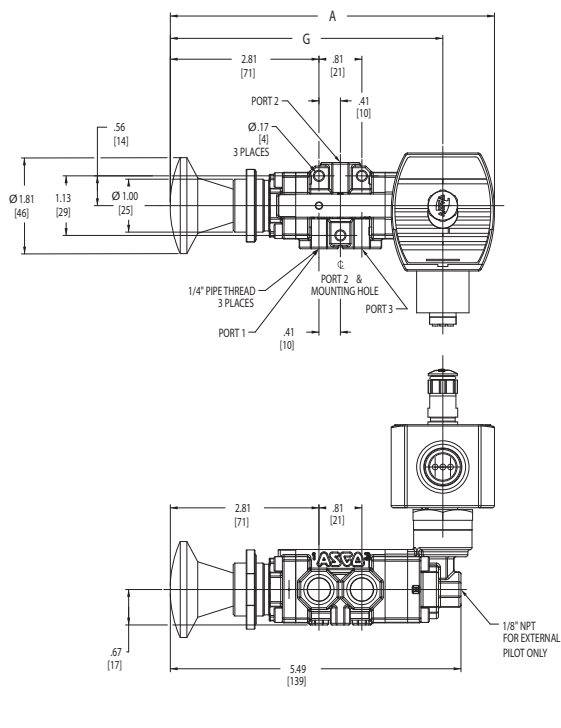
**Const. Ref. 17**



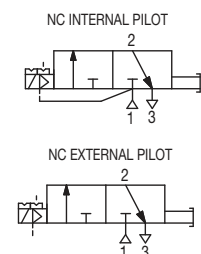
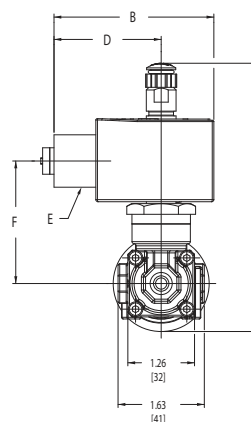
| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |         | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|---------|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm      | inch                            | mm  |
| <b>A</b>  | 8.93                        | 227 | 7.77                 | 197     | 8.72                            | 222 |
| <b>B</b>  | 3.02                        | 77  | 2.81                 | 71      | 3.03                            | 77  |
| <b>C</b>  | 1.95                        | 50  | 1.25                 | 32      | 1.66                            | 42  |
| <b>D</b>  | 2.03                        | 51  | 2.20                 | 56      | 2.12                            | 54  |
| <b>E</b>  | 1/2" NPT                    |     | 1/2" NPT             |         | 1/2" NPT                        |     |
| <b>F</b>  | 2.62                        | 67  | 1.79                 | 45.4457 | 2.63                            | 67  |
| <b>G</b>  | 3.71                        | 94  | 2.55                 | 65      | 3.5                             | 89  |
| <b>H</b>  | 5.31                        | 135 | 4.15                 | 106     | 5.1                             | 130 |
| <b>L</b>  | 1.85                        | 47  | 1.19                 | 30      | 1.91                            | 49  |



**Const. Ref. 18**

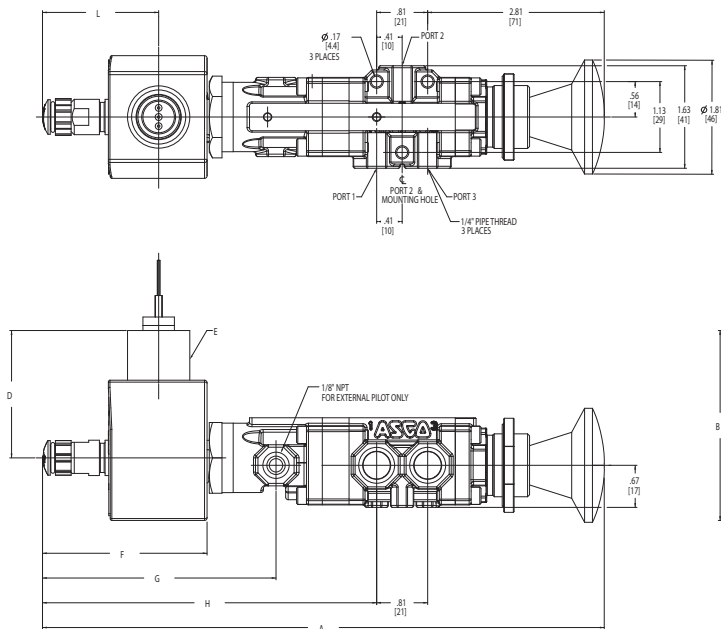


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| <b>A</b>  | 6.12                        | 156 | 5.77                 | 147 | 5.98                            | 152 |
| <b>B</b>  | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| <b>C</b>  | 5.07                        | 129 | 3.91                 | 99  | 4.86                            | 123 |
| <b>D</b>  | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| <b>E</b>  | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| <b>F</b>  | 2.31                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| <b>G</b>  | 5.15                        | 131 | 5.15                 | 131 |                                 |     |

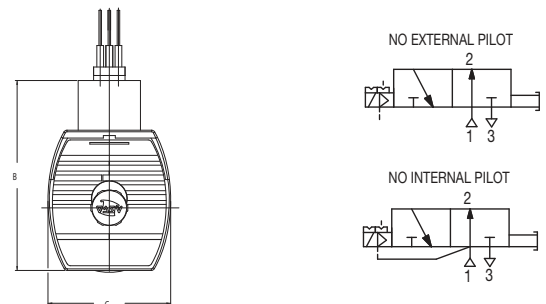


**Dimensions: inches (mm)**

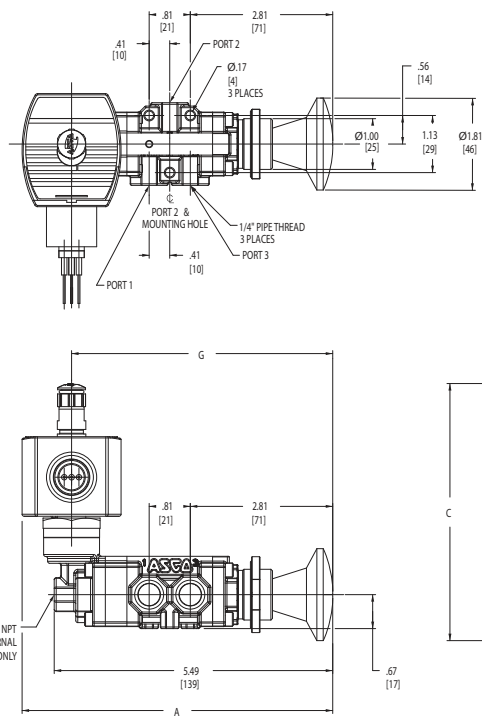
**Const. Ref. 19**



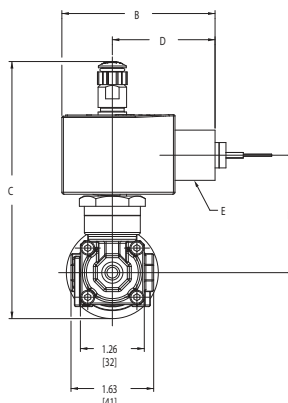
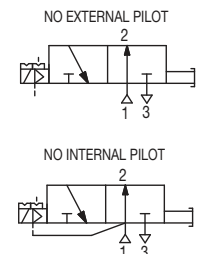
| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 8.93                        | 227 | 7.76                 | 197 | 8.72                            | 222 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 5.31                        | 135 | 4.15                 | 105 | 5.1                             | 130 |
| L         | 1.85                        | 47  | 1.19                 | 30  | 1.91                            | 49  |



**Const. Ref. 20**

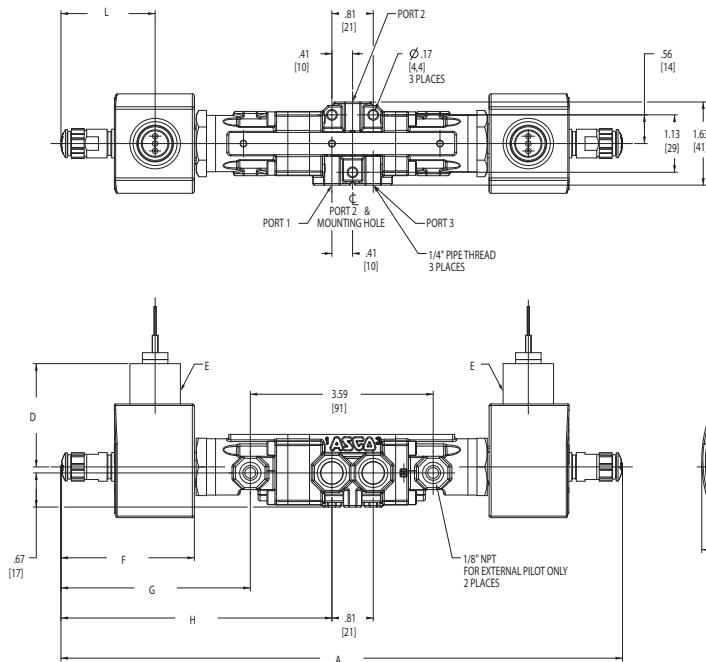


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 6.12                        | 156 | 5.77                 | 147 | 5.98                            | 152 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 5.07                        | 129 | 3.91                 | 99  | 4.86                            | 123 |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.32                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| G         | 5.15                        | 131 | 5.15                 | 131 | 5.15                            | 131 |



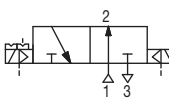
Dimensions: inches (mm)

Const. Ref. 21

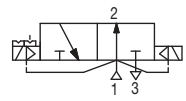


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 11.01                       | 280 | 8.70                 | 221 | 10.6                            | 269 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2 NPT                     |     | 1/2 NPT              |     | 1/2" NPT                        |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 5.31                        | 135 | 4.15                 | 105 | 5.1                             | 130 |

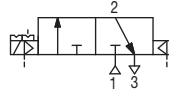
NO EXTERNAL PILOT



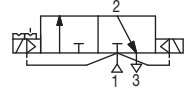
NO INTERNAL PILOT



NC EXTERNAL PILOT

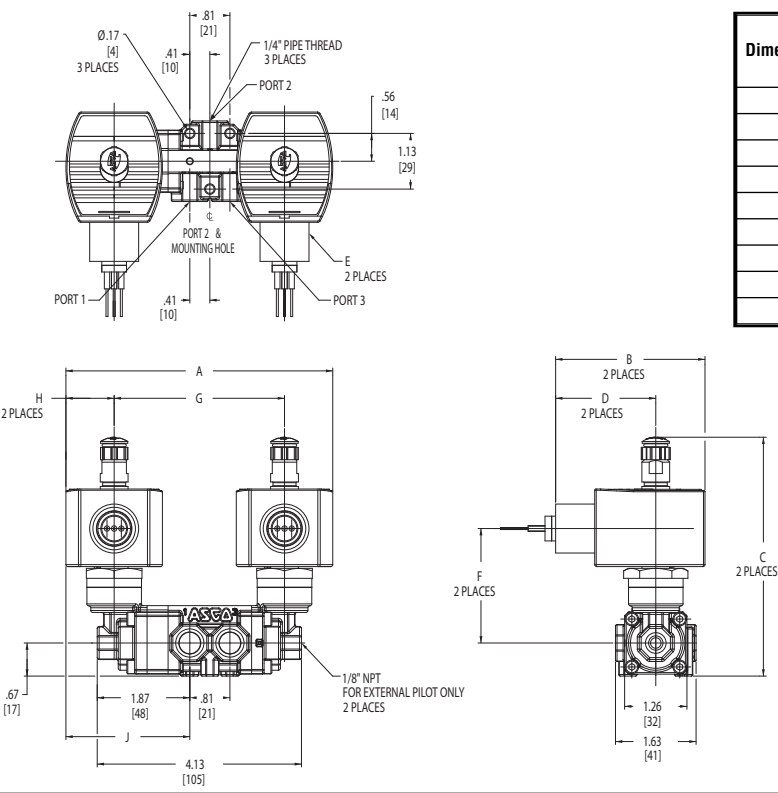


NC INTERNAL PILOT



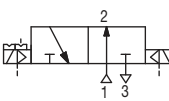
SPECIAL SERVICE  
PILOT

Const. Ref. 22

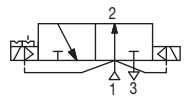


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 5.4                         | 137 | 4.69                 | 119 | 5.1                             | 129 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 4.83                        | 123 | 3.67                 | 93  | 4.62                            | 117 |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.31                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| G         | 3.45                        | 88  | 3.45                 | 88  | 3.44                            | 87  |
| H         | 0.98                        | 25  | 0.62                 | 16  | 0.83                            | 21  |
| J         | 2.5                         | 64  | 2.15                 | 55  | 2.36                            | 60  |

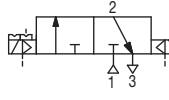
NO EXTERNAL PILOT



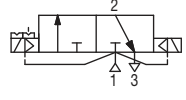
NO INTERNAL PILOT



NC EXTERNAL PILOT

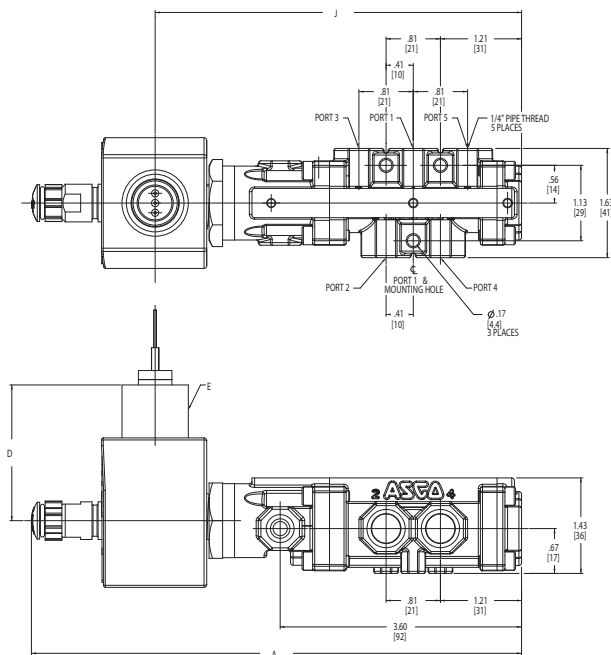


NC INTERNAL PILOT

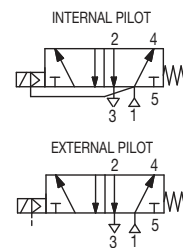


**Dimensions: inches (mm)**

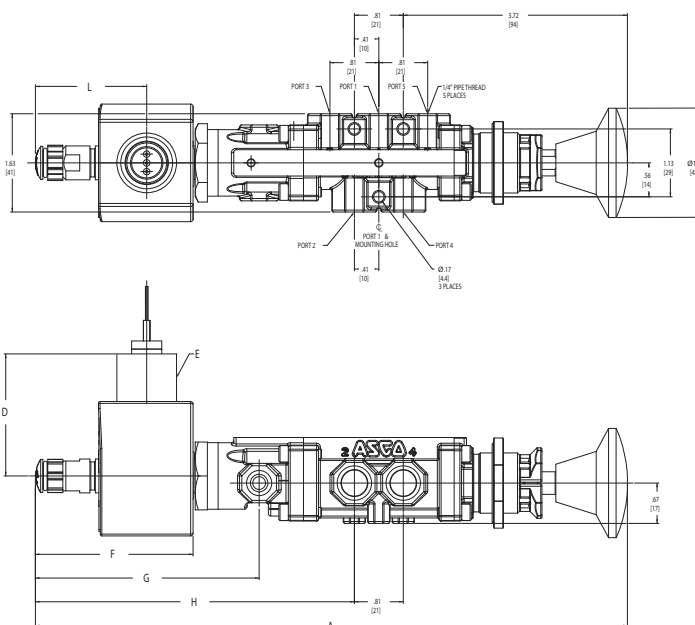
**Const. Ref. 23**



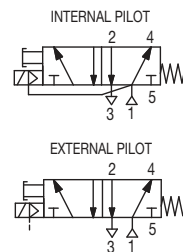
| Dimension | Low Power<br>Standard AC/DC |     | Compact Low<br>Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 6.50                        | 165 | 5.34                 | 136 | 7.11                            | 181 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| J         | 4.66                        | 118 | 4.15                 | 105 | 5.2                             | 132 |



**Const. Ref. 24**

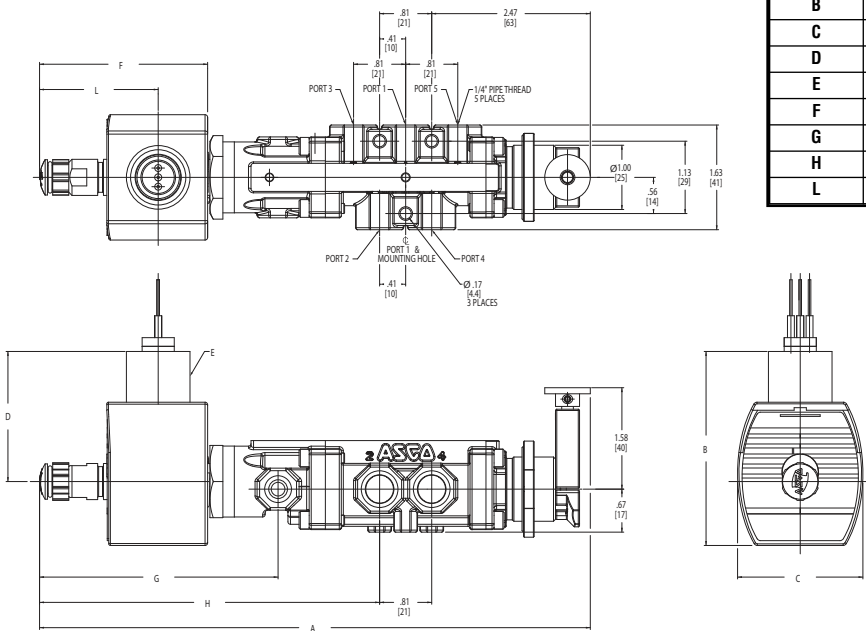


| Dimension | Low Power<br>Standard AC/DC |     | Compact Low<br>Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 9.01                        | 229 | 7.85                 | 199 | 9.62                            | 244 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 4.89                        | 124 | 3.73                 | 95  | 5.09                            | 129 |
| L         | 1.85                        | 47  | 1.19                 | 30  | -                               | -   |

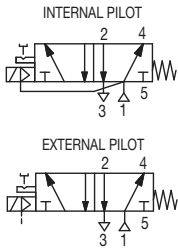


**Dimensions: inches (mm)**

**Const. Ref. 25**

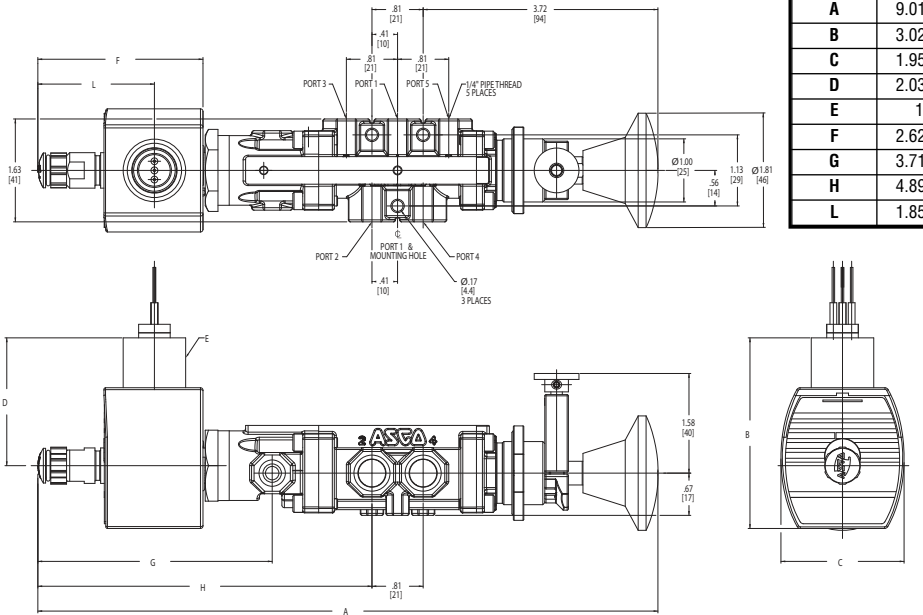


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 9.01                        | 229 | 6.60                 | 168 | 8.36                            | 212 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 4.89                        | 124 | 3.73                 | 95  | 5.09                            | 129 |
| L         | 1.85                        | 47  | 1.19                 | 30  | -                               | -   |

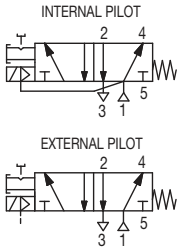


**SPECIAL SERVICE  
PILOT**

**Const. Ref. 26**

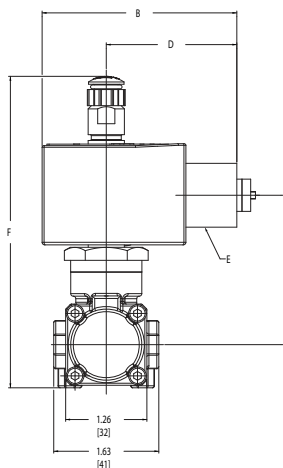
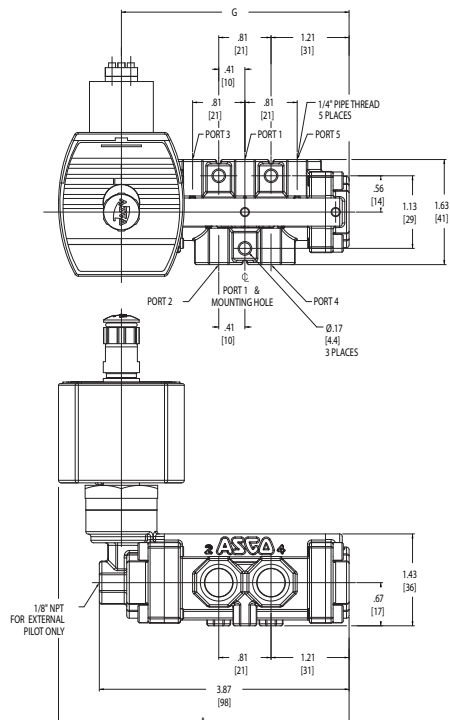


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 9.01                        | 229 | 7.85                 | 199 | 9.62                            | 244 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 4.89                        | 124 | 3.73                 | 95  | 5.09                            | 129 |
| L         | 1.85                        | 47  | 1.19                 | 30  | -                               | -   |

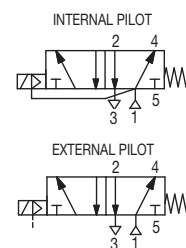


**Dimensions: inches (mm)**

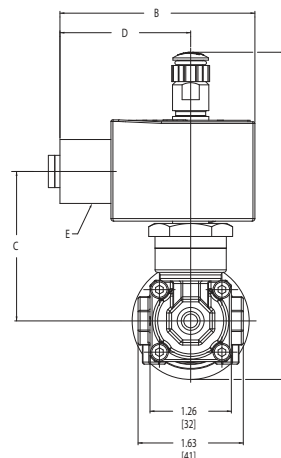
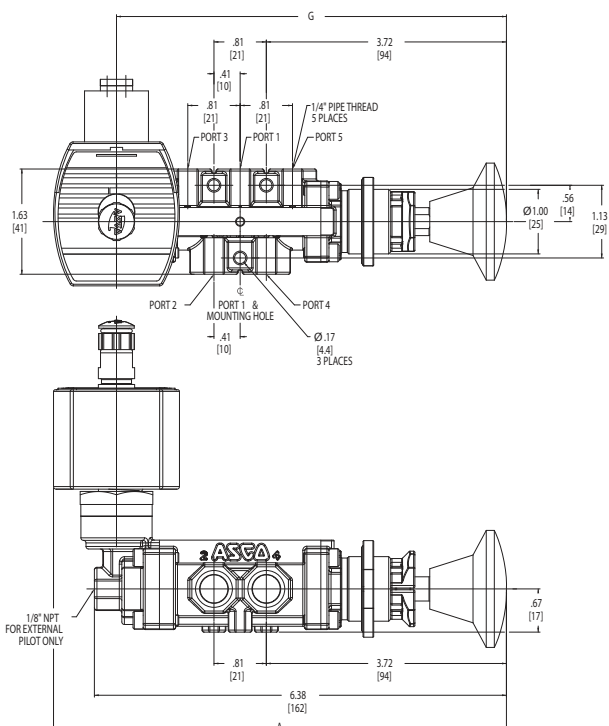
**Const. Ref. 27**



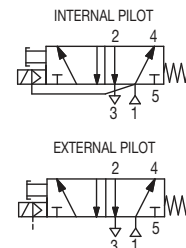
| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |    | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm | inch                            | mm  |
| <b>A</b>  | 4.51                        | 115 | 3.34                 | 85 | 4.36                            | 111 |
| <b>B</b>  | 3.02                        | 77  | 2.81                 | 71 | 3.03                            | 77  |
| <b>C</b>  | 2.32                        | 59  | 1.81                 | 46 | 2.04                            | 52  |
| <b>D</b>  | 2.03                        | 51  | 2.20                 | 56 | 2.12                            | 54  |
| <b>E</b>  | 1/2" NPT                    |     | 1/2" NPT             |    | 1/2" NPT                        |     |
| <b>F</b>  | 4.83                        | 123 | 3.67                 | 93 | 4.62                            | 117 |
| <b>G</b>  | 3.53                        | 90  | 2.72                 | 69 | 3.53                            | 90  |



**Const. Ref. 28**

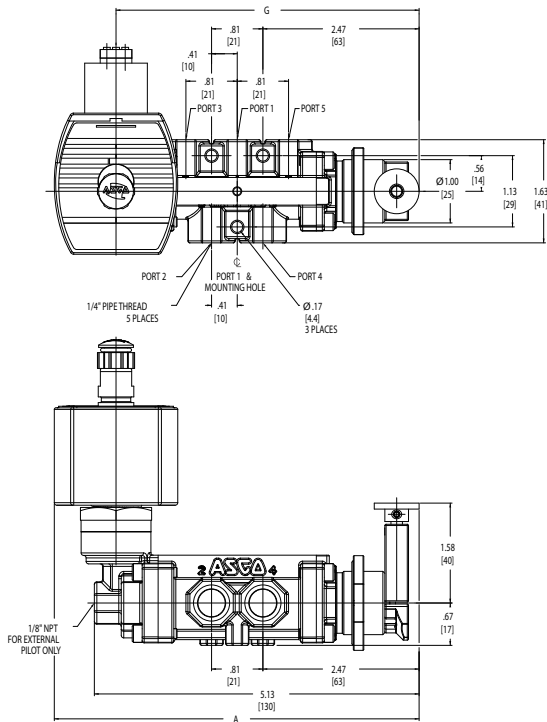


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| <b>A</b>  | 7.01                        | 178 | 5.85                 | 149 | 6.87                            | 174 |
| <b>B</b>  | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| <b>C</b>  | 2.32                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| <b>D</b>  | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| <b>E</b>  | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| <b>F</b>  | 5.07                        | 129 | 3.91                 | 99  | 4.86                            | 123 |
| <b>G</b>  | 6.04                        | 153 | 5.23                 | 133 | 6.04                            | 153 |

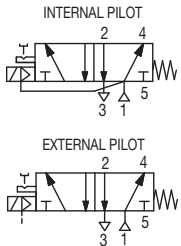


Dimensions: inches (mm)

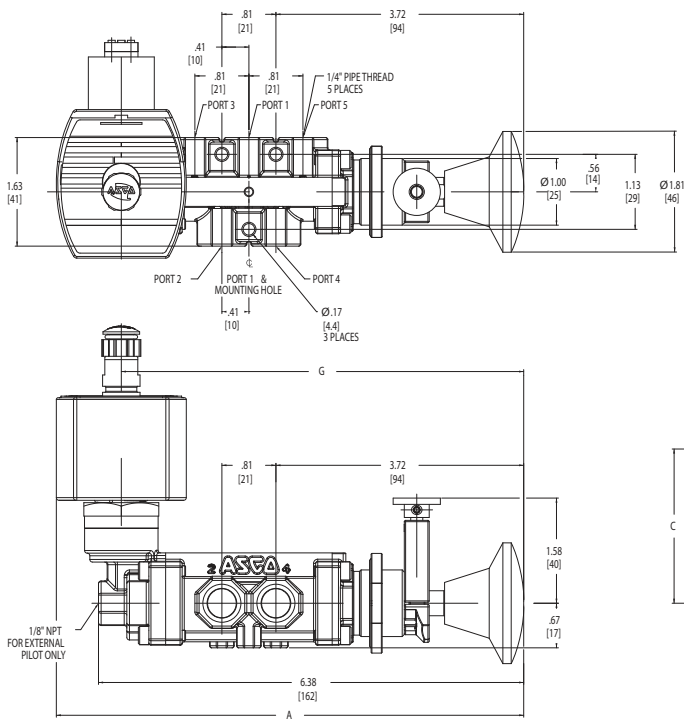
Const. Ref. 29



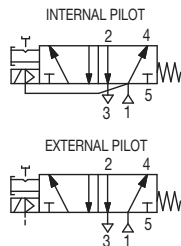
| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 5.76                        | 146 | 4.60                 | 117 | 5.62                            | 143 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 2.32                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 4.91                        | 125 | 3.75                 | 95  | 4.7                             | 119 |
| G         | 4.79                        | 122 | 3.98                 | 101 | -                               | -   |



Const. Ref. 30

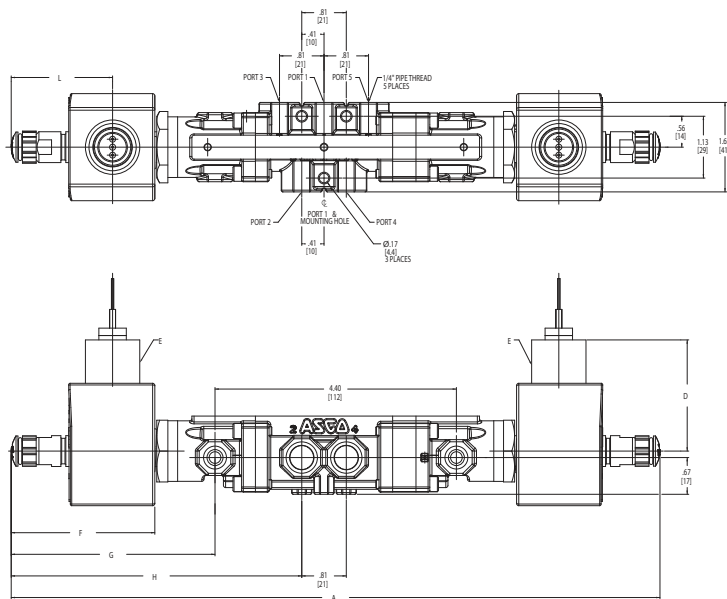


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 7.02                        | 178 | 5.85                 | 149 | 6.87                            | 174 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 2.32                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 5.07                        | 129 | 3.91                 | 99  | 4.86                            | 123 |
| G         | 6.04                        | 153 | 5.23                 | 133 | -                               | -   |

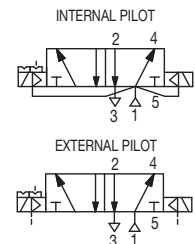


**Dimensions: inches (mm)**

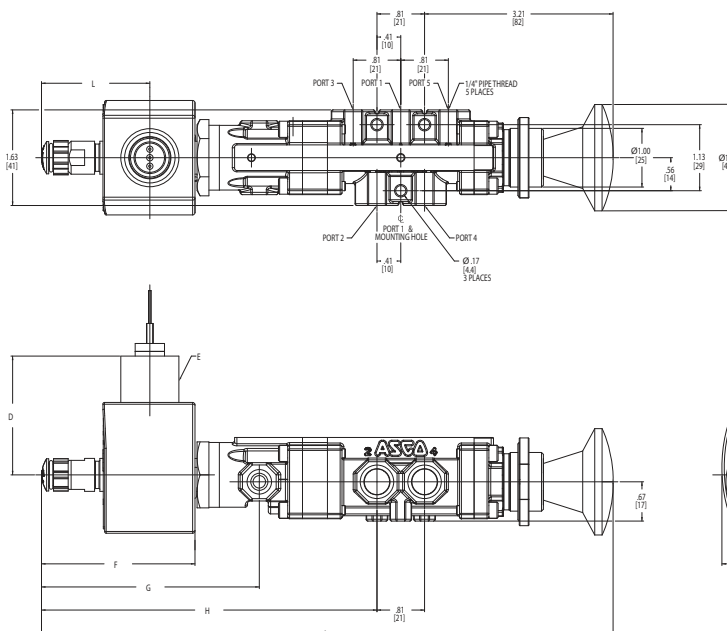
**Const. Ref. 31**



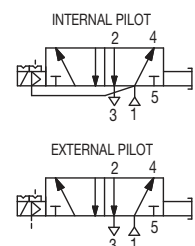
| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 8.93                        | 227 | 8.70                 | 221 | 11.41                           | 290 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 2.55                 | 65  | 3.5                             | 89  |
| H         | 5.31                        | 135 | 4.15                 | 105 | 5.09                            | 129 |
| L         | 1.85                        | 47  | 1.19                 | 30  | -                               | -   |



**Const. Ref. 32**

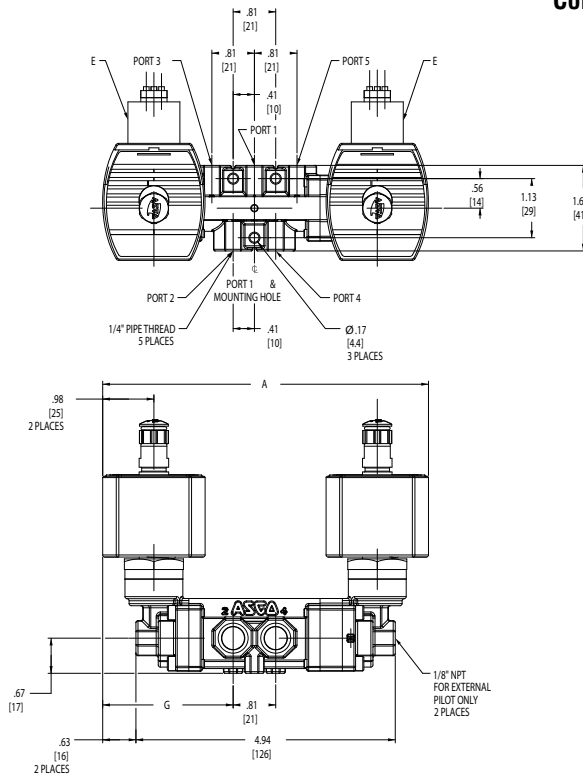


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 7.76                        | 197 | 7.77                 | 197 | 9.54                            | 242 |
| B         | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| C         | 1.95                        | 50  | 1.25                 | 32  | 1.66                            | 42  |
| D         | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| E         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| F         | 2.62                        | 67  | 1.79                 | 45  | 2.63                            | 67  |
| G         | 3.71                        | 94  | 3.71                 | 94  | 3.5                             | 89  |
| H         | 4.89                        | 124 | 4.15                 | 105 | 5.09                            | 129 |
| L         | 1.85                        | 47  | 1.19                 | 30  | -                               | -   |

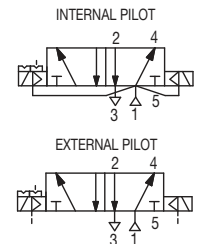
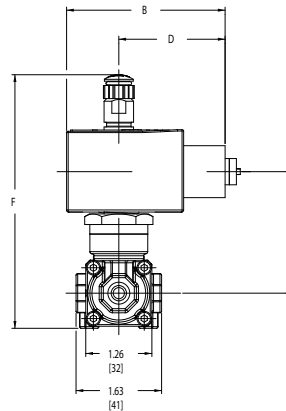


**Dimensions:** inches (mm)

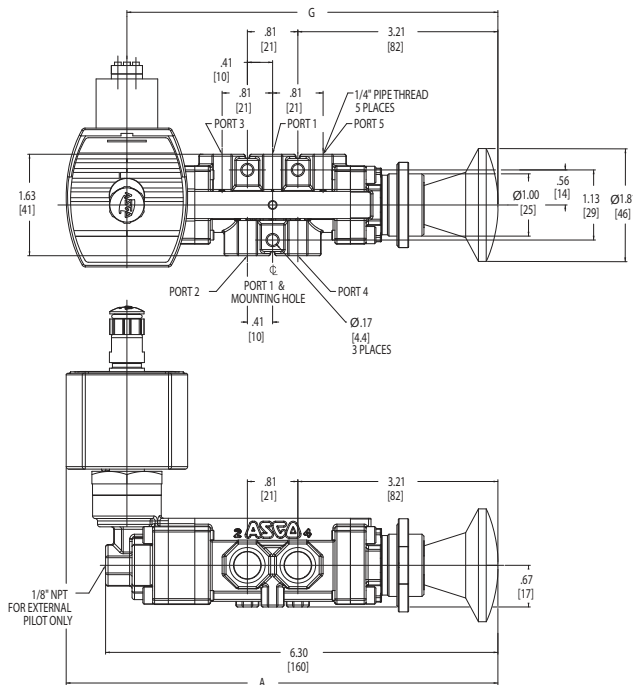
**Const. Ref. 33**



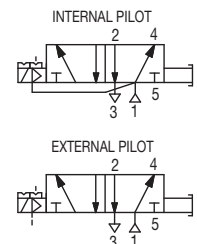
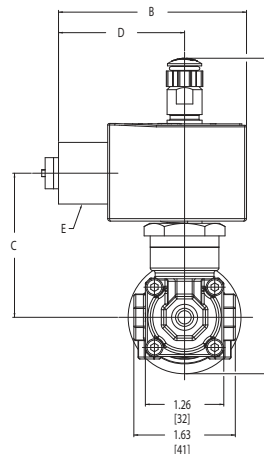
| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| <b>A</b>  | 6.21                        | 158 | 4.69                 | 119 | 5.91                            | 150 |
| <b>B</b>  | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| <b>C</b>  | 2.32                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| <b>D</b>  | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| <b>E</b>  | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| <b>F</b>  | 4.83                        | 123 | 3.67                 | 93  | 4.62                            | 117 |
| <b>G</b>  | 2.49                        | 63  | 2.15                 | 55  | 2.34                            | 59  |



**Const. Ref. 34**

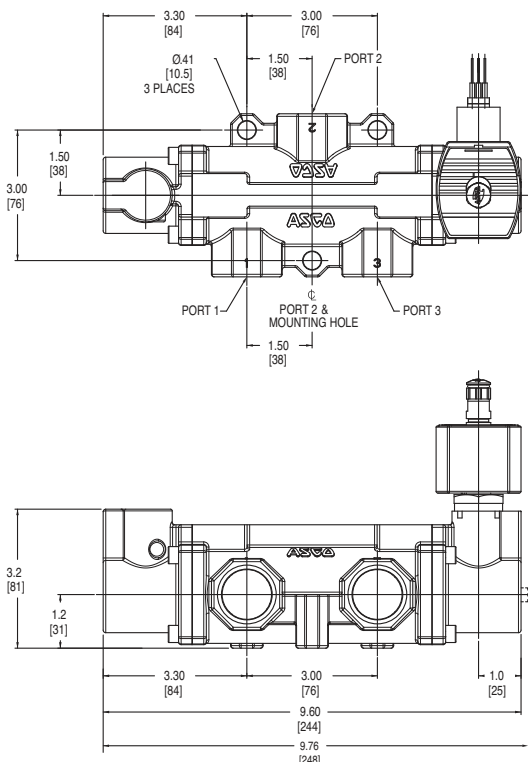


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| <b>A</b>  | 6.94                        | 176 | 5.77                 | 147 | 6.79                            | 172 |
| <b>B</b>  | 3.02                        | 77  | 2.81                 | 71  | 3.03                            | 77  |
| <b>C</b>  | 2.32                        | 59  | 1.81                 | 46  | 2.04                            | 52  |
| <b>D</b>  | 2.03                        | 51  | 2.20                 | 56  | 2.12                            | 54  |
| <b>E</b>  | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| <b>F</b>  | 5.07                        | 129 | 3.91                 | 99  | 4.86                            | 123 |
| <b>G</b>  | 5.96                        | 151 | 5.15                 | 131 | 5.96                            | 151 |

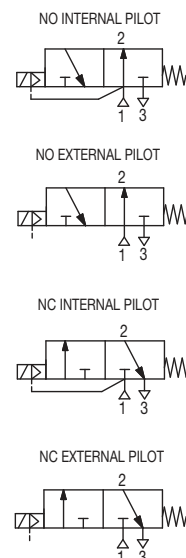
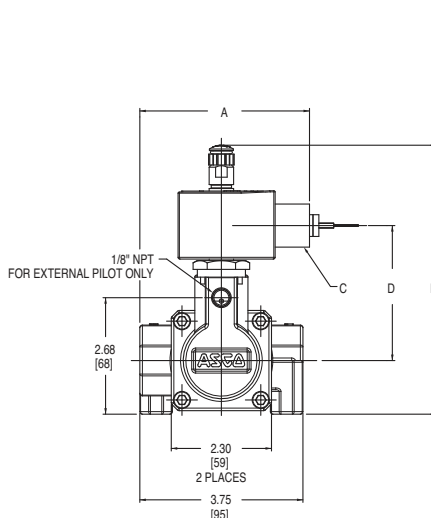


**Dimensions: inches (mm)**

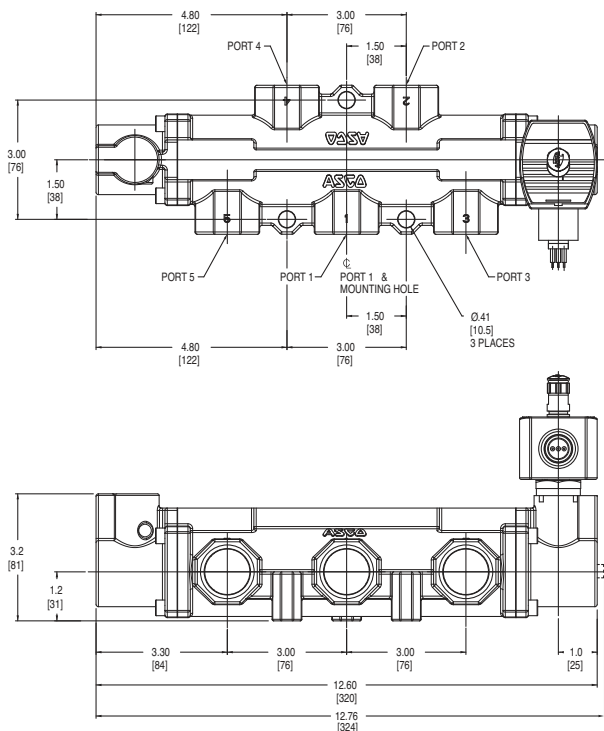
**Const. Ref. 35**



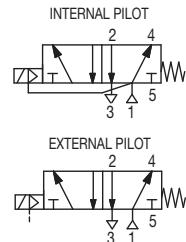
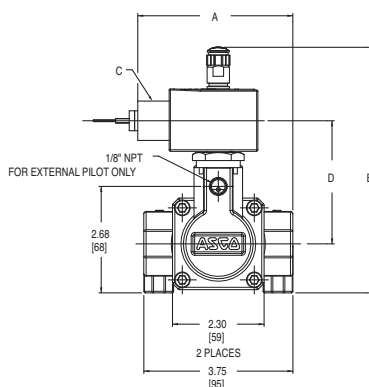
| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| <b>A</b>  | 3.9                         | 99  | 4.1                  | 103 | 4.0                             | 102 |
| <b>B</b>  | 6.2                         | 157 | 5.0                  | 127 | 6.0                             | 152 |
| <b>C</b>  | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| <b>D</b>  | 3.1                         | 79  | 2.6                  | 66  | 2.8                             | 72  |



**Const. Ref. 36**

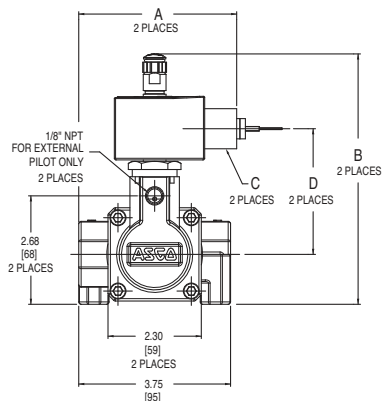
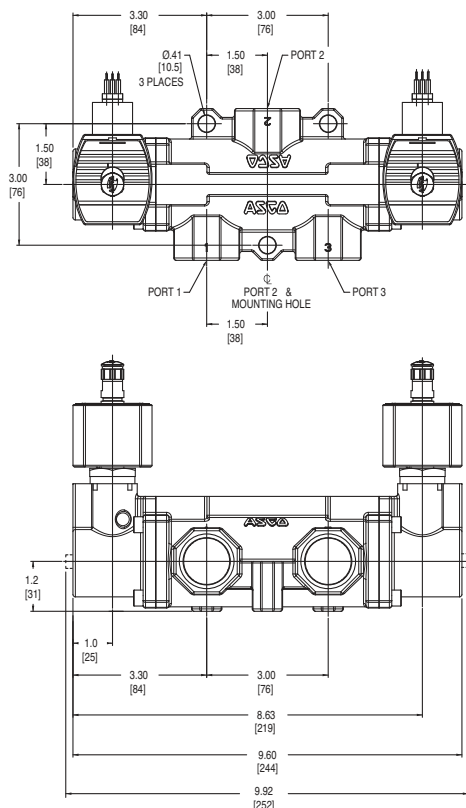


| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| <b>A</b>  | 3.9                         | 99  | 4.1                  | 103 | 4.0                             | 102 |
| <b>B</b>  | 6.2                         | 157 | 5.0                  | 127 | 6.0                             | 152 |
| <b>C</b>  | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| <b>D</b>  | 3.1                         | 79  | 2.6                  | 66  | 2.8                             | 72  |

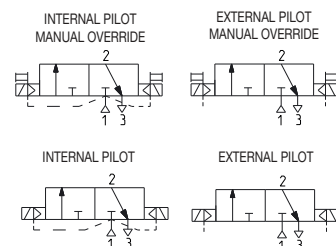


### Dimensions: inches (mm)

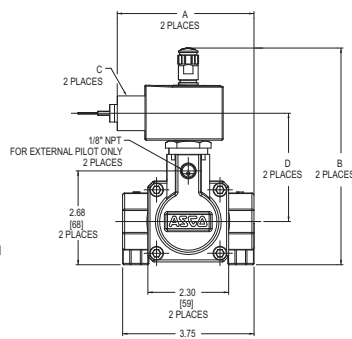
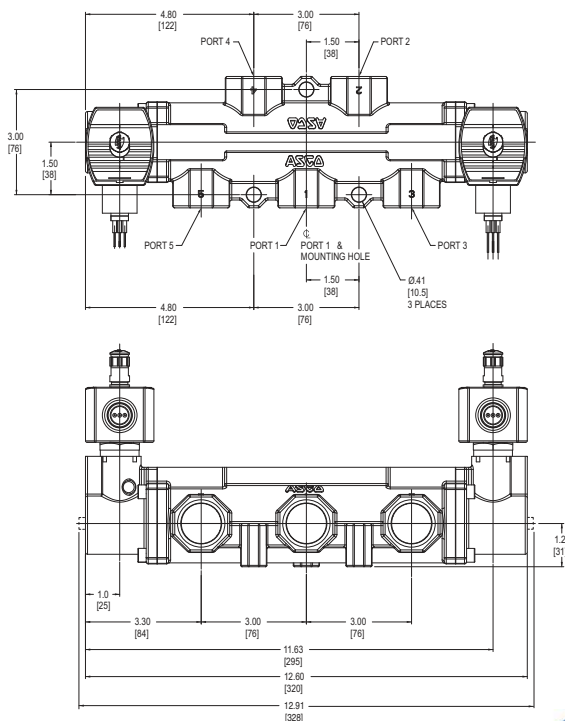
#### Const. Ref. 37



| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 3.9                         | 99  | 4.1                  | 103 | 4.0                             | 102 |
| B         | 6.2                         | 157 | 5.0                  | 127 | 6.0                             | 152 |
| C         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| D         | 3.1                         | 79  | 2.6                  | 66  | 2.8                             | 72  |



#### Const. Ref. 38



| Dimension | Low Power<br>Standard AC/DC |     | Compact<br>Low Power |     | Stainless Steel<br>Encapsulated |     |
|-----------|-----------------------------|-----|----------------------|-----|---------------------------------|-----|
|           | inch                        | mm  | inch                 | mm  | inch                            | mm  |
| A         | 3.9                         | 99  | 4.1                  | 103 | 4.0                             | 102 |
| B         | 6.2                         | 157 | 5.0                  | 127 | 6.0                             | 152 |
| C         | 1/2" NPT                    |     | 1/2" NPT             |     | 1/2" NPT                        |     |
| D         | 3.1                         | 79  | 2.6                  | 66  | 2.8                             | 72  |

