

## Kool Flow Manifold™

**Features**

- The FB Series water manifold is exactly what you expect from the industry's number one water manifold supplier. Designed with our exclusive FLEX BLOCK TECHNOLOGY features, the FB Series delivers superior design and flexibility to meet the most demanding applications. Nobody knows water manifolds like KOOL Flow Manifold and the FB Series Flex Block proves it.
- QUICK SHIPMENT: Design principles allows manufacturing to have 24-hour shipping because we just assemble to order "vs" reacting to the order.
- FLEXIBLE DESIGN: Four Patented modular block assemblies can be used for multiple application needs. Flex design reduces assembly time and allows modifications for the "OOPS" to change on the fly. O-ring seals protect against leaks between modular block assemblies.
- e-KOOL CONFIGURATOR: Easily configure your water manifold system by visiting [www.pcs-company.com](http://www.pcs-company.com). Receive an instant price and a downloadable CAD file.



## Kool Flow Manifold™

## Features

- Select the Inlet Size (1" = FB2 , 1-1/4" or 1-1/2" = FB3, 2" = FB4)
- Select the Inlet Style that best fits in your envelope (Straight or 90 Degree)
- Determine the Assembly Style (Port-to-Blank or Port-to-Divide)
- Determine how many total Outlet Holes your application needs.

FB2 Series = 1" NPT Inlet

Block Size: 2.25" W x 2.25" H

Material: 6061-T6 Alum Manifold Bar Stock

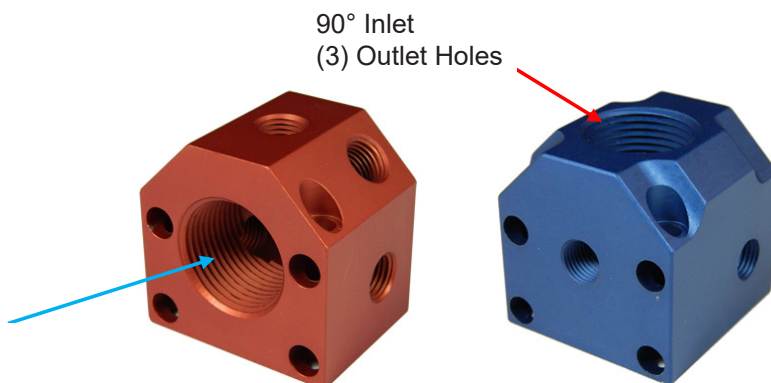
Finish: Anodized

Mounting Hole Size: 1/4" SHCS

Inlet Hole: 1" NPT

Outlet Hole: 1/4" or 3/8"

Straight Inlet  
(5) Outlet Holes



FB3 Series = 1-1/4" or 1-1/2" NPT Inlet

Block Size: 3.00" W x 3.00" H

Material: 6061-T6 Alum Manifold Bar Stock

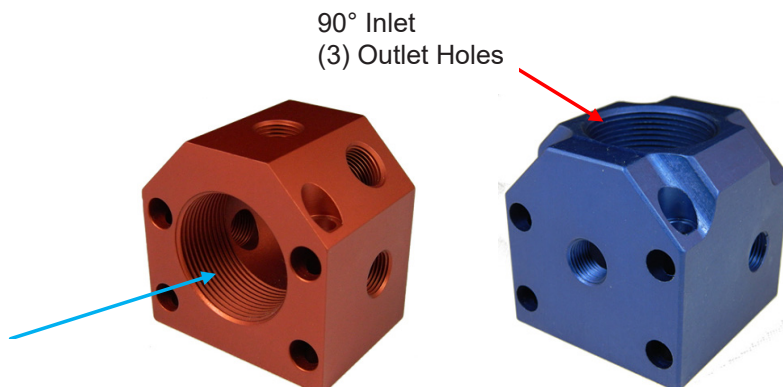
Finish: Anodized

Mounting Hole Size: 5/16" SHCS

Inlet Hole: 1-1/4" or 1-1/2" NPT

Outlet Hole: 3/8" or 1/2"

Straight Inlet  
(5) Outlet Holes



FB4 Series = 2" NPT Inlet

Block Size: 3.50" W x 3.50" H

Material: 6061-T6 Alum Manifold Bar Stock

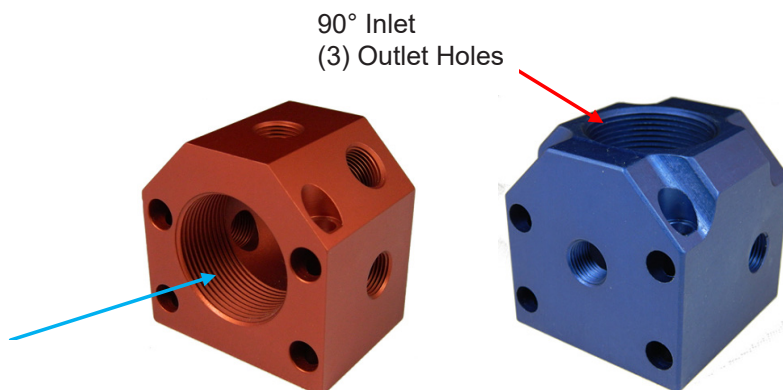
Finish: Anodized

Mounting Hole Size: 5/16" SHCS

Inlet Hole: 2" NPT

Outlet Hole: 3/4"

Straight Inlet  
(5) Outlet Holes



## FB Series Manifold

Select the Assembly Style:

With a port-to-blank configuration you can eliminate the costly end plug and still mount the Hot & Cold in different locations.

Port-to-Blank (PB)



Color: Red/Silver or Blue/Silver  
# of Inlets: One  
# of Outlets: (25) Max.  
# of Block: (6) Max.

90° Port-to-Blank (PB)



Color: Red/Silver or Blue/Silver  
# of Inlets: One  
# of Outlets: (23) Max.  
# of Block: (6) Max.

Combine your cooling needs into one manifold. Separate Hot & Cold with a Mid-Block and mount in one easy location.

Port-to-Divide (PD)



Color: Red/Silver/Blue  
# of Inlets: One each End  
# of Outlets: (50) Max.  
# of Block: (11) Max.

90° Port-to-Divide (PD)



Color: Red/Silver/Blue  
# of Inlets: One each End  
# of Outlets: (46) Max.  
# of Block: (11) Max.

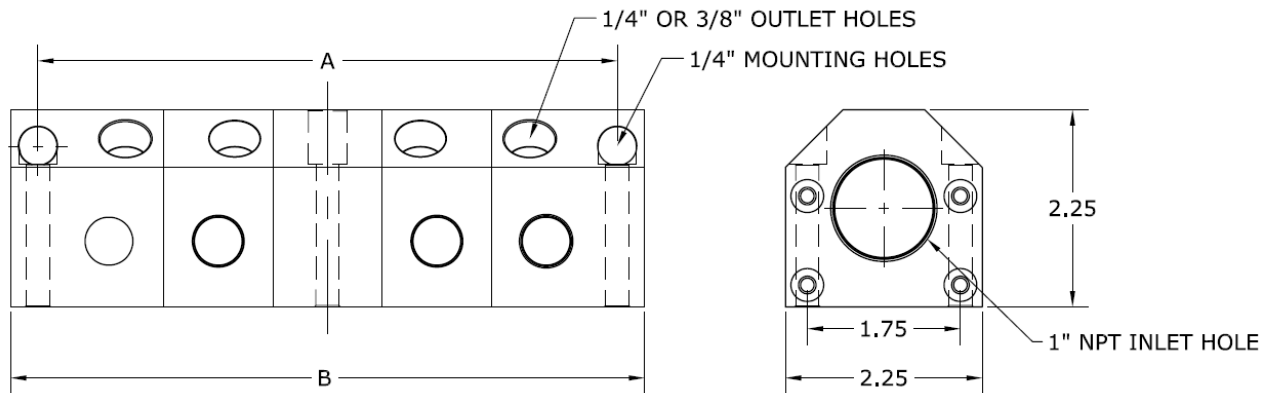
Note: 90 Degree Inlets reduce the overall package envelope even further.



## FB2 Port-to-Divide Assemblies

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (1/4")
- Viton O-Rings and Tie Rods included
- Manifolds are available for pH levels above 7.8
- 2.25" x 2.25" Block size
- Inlet Hole: 1" NPT



**U** Inch



Max Operating Temperature: 400°F (204°C)

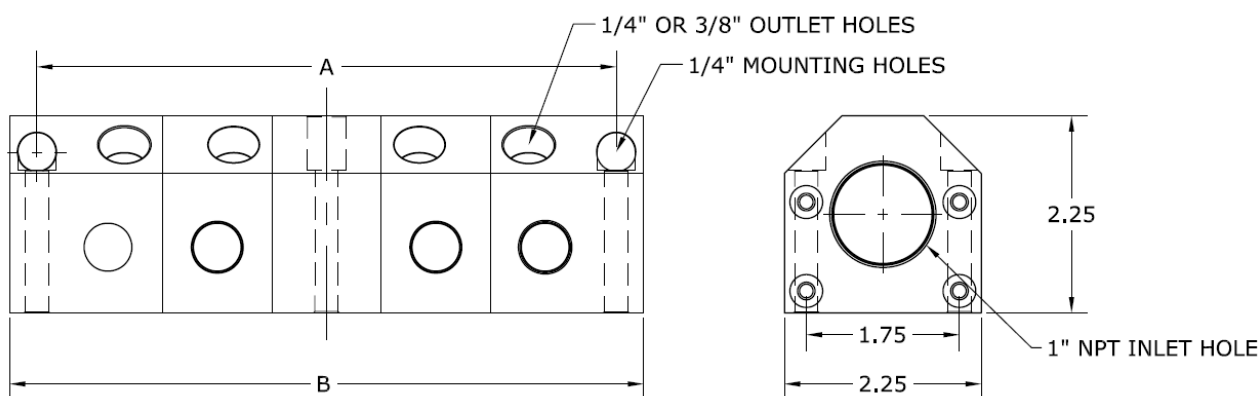
| ITEM NO.            | OUTLET HOLE SIZE | NO. OF RED OUTLETS | NO. OF BLUE OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|---------------------|------------------|--------------------|---------------------|---------------|-------------|-------------|
| Port-to-Divide (PD) |                  |                    |                     |               |             |             |
| FB2-1-4-PD          | 1/4              | 5                  | 5                   | 2             | 4.13        | 4.75        |
| FB2-2-4-PD          | 1/4              | 10                 | 10                  | 2             | 6.63        | 7.25        |
| FB2-3-4-PD          | 1/4              | 15                 | 15                  | 2             | 9.13        | 9.75        |
| FB2-4-4-PD          | 1/4              | 20                 | 20                  | 2             | 11.63       | 12.25       |
| FB2-5-4-PD          | 1/4              | 25                 | 25                  | 2             | 14.13       | 14.75       |
| FB2-1-6-PD          | 3/8              | 5                  | 5                   | 2             | 4.13        | 4.75        |
| FB2-2-6-PD          | 3/8              | 10                 | 10                  | 2             | 6.63        | 7.25        |
| FB2-3-6-PD          | 3/8              | 15                 | 15                  | 2             | 9.13        | 9.75        |
| FB2-4-6-PD          | 3/8              | 20                 | 20                  | 2             | 11.63       | 12.25       |
| FB2-5-6-PD          | 3/8              | 25                 | 25                  | 2             | 14.13       | 14.75       |



## FB2 Port-to-Divide Assemblies (Cont'd)

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (1/4")
- Viton O-Rings and Tie Rods included
- Manifolds are available for pH levels above 7.8
- 2.25"x 2.25" Block size
- Inlet Hole: 1" NPT


**U** Inch


Max Operating Temperature: 400°F (204°C)

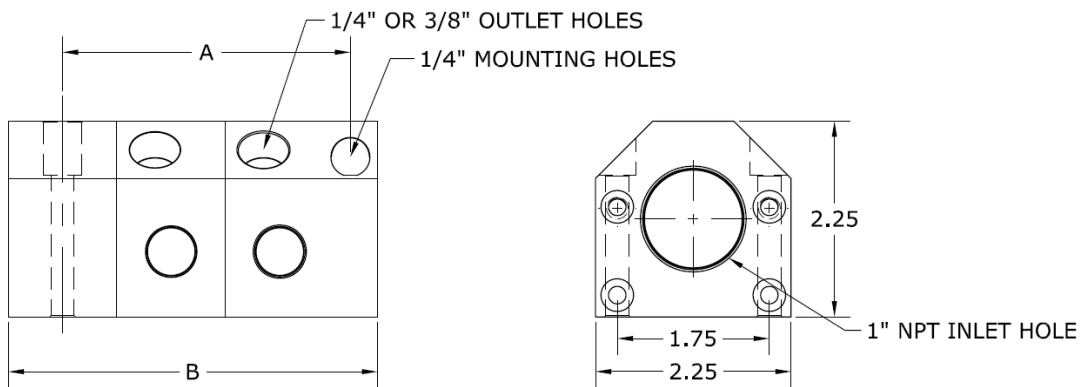
| ITEM NO.                | OUTLET HOLE SIZE | NO. OF RED OUTLETS | NO. OF BLUE OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|-------------------------|------------------|--------------------|---------------------|---------------|-------------|-------------|
| 90° Port-to-Divide (PD) |                  |                    |                     |               |             |             |
| FB290-1-4-PD            | 1/4              | 3                  | 3                   | 1             | 5.13        | 5.75        |
| FB290-2-4-PD            | 1/4              | 8                  | 8                   | 2             | 7.63        | 8.25        |
| FB290-3-4-PD            | 1/4              | 13                 | 13                  | 2             | 10.13       | 10.75       |
| FB290-4-4-PD            | 1/4              | 18                 | 18                  | 2             | 12.63       | 13.25       |
| FB290-5-4-PD            | 1/4              | 23                 | 23                  | 2             | 15.13       | 15.75       |
| FB290-1-6-PD            | 3/8              | 3                  | 3                   | 2             | 5.13        | 5.75        |
| FB290-2-6-PD            | 3/8              | 8                  | 8                   | 2             | 7.63        | 8.25        |
| FB290-3-6-PD            | 3/8              | 13                 | 13                  | 2             | 10.13       | 10.75       |
| FB290-4-6-PD            | 3/8              | 18                 | 18                  | 2             | 12.63       | 13.25       |
| FB290-5-6-PD            | 3/8              | 23                 | 23                  | 2             | 15.13       | 15.75       |



## FB2 Port-to-Blank Assemblies

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (1/4")
- Viton O-Rings and Tie Rods included
- Manifolds are available for pH levels above 7.8
- 2.25" x 2.25" Block size
- Inlet Hole: 1" NPT



**U** Inch



Max Operating Temperature: 400°F (204°C)

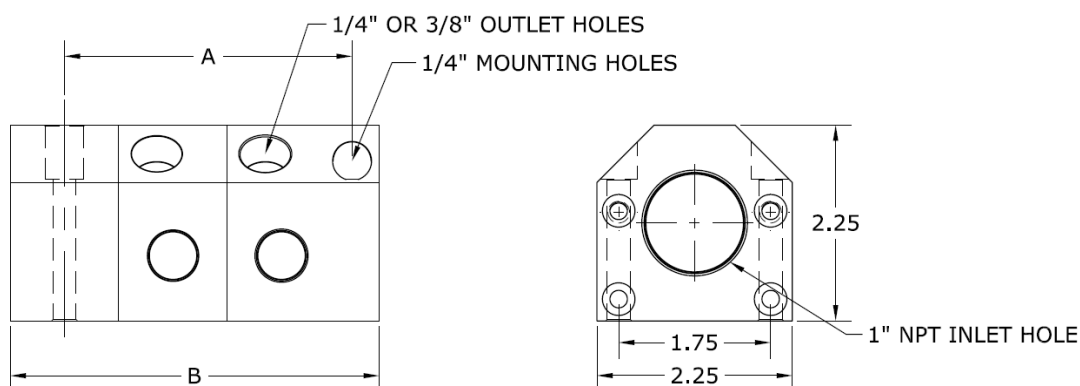
| ITEM NO.           | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION B | DIMENSION A |
|--------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| Port-to-Blank (PB) |                  |             |                |               |             |             |
| FB2-1-4-B-PB       | 1/4              | Blue        | 5              | 1             | 3           | 2.06        |
| FB2-1-4-R-PB       | 1/4              | Red         | 5              | 1             | 3           | 2.06        |
| FB2-1-6-B-PB       | 3/8              | Blue        | 5              | 1             | 3           | 2.06        |
| FB2-1-6-R-PB       | 3/8              | Red         | 5              | 1             | 3           | 2.06        |
| FB2-2-4-B-PB       | 1/4              | Blue        | 10             | 1             | 4.25        | 3.31        |
| FB2-2-4-R-PB       | 1/4              | Red         | 10             | 1             | 4.25        | 3.31        |
| FB2-2-6-B-PB       | 3/8              | Blue        | 10             | 1             | 4.25        | 3.31        |
| FB2-2-6-R-PB       | 3/8              | Red         | 10             | 1             | 4.25        | 3.31        |
| FB2-3-4-B-PB       | 1/4              | Blue        | 15             | 1             | 5.5         | 4.56        |



## FB2 Port-to-Blank Assemblies (Cont'd)

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (1/4")
- Viton O-Rings and Tie Rods included
- Manifolds are available for pH levels above 7.8
- 2.25" x 2.25" Block size
- Inlet Hole: 1" NPT



**U** Inch



Max Operating Temperature: 400°F (204°C)

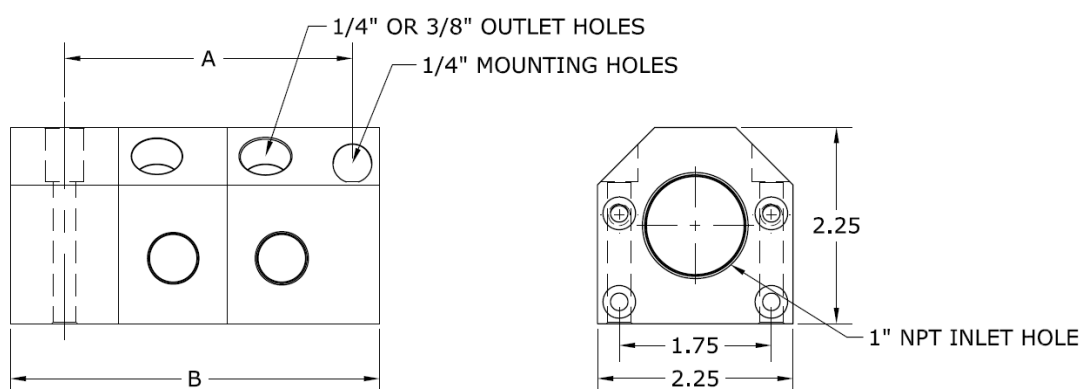
| ITEM NO.           | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION B | DIMENSION A |
|--------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| Port-to-Blank (PB) |                  |             |                |               |             |             |
| FB2-3-4-R-PB       | 1/4              | Red         | 15             | 1             | 5.5         | 4.56        |
| FB2-3-6-B-PB       | 3/8              | Blue        | 15             | 1             | 5.5         | 4.56        |
| FB2-3-6-R-PB       | 3/8              | Red         | 15             | 1             | 5.5         | 4.56        |
| FB2-4-4-B-PB       | 1/4              | Blue        | 20             | 1             | 6.75        | 5.81        |
| FB2-4-4-R-PB       | 1/4              | Red         | 20             | 1             | 6.75        | 5.81        |
| FB2-4-6-B-PB       | 3/8              | Blue        | 20             | 1             | 6.75        | 5.81        |
| FB2-4-6-R-PB       | 3/8              | Red         | 20             | 1             | 6.75        | 5.81        |
| FB2-5-4-B-PB       | 1/4              | Blue        | 25             | 1             | 8           | 7.06        |
| FB2-5-4-R-PB       | 1/4              | Red         | 25             | 1             | 8           | 7.06        |
| FB2-5-6-B-PB       | 3/8              | Blue        | 25             | 1             | 8           | 7.06        |
| FB2-5-6-R-PB       | 3/8              | Red         | 25             | 1             | 8           | 7.06        |



## FB2 90° Port-to-Blank Assemblies (Cont'd)

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (1/4")
- Viton O-Rings and Tie Rods included
- Manifolds are available for pH levels above 7.8
- 2.25" x 2.25" Block size
- Inlet Hole: 1" NPT



**U** Inch



Max Operating Temperature: 400°F (204°C)

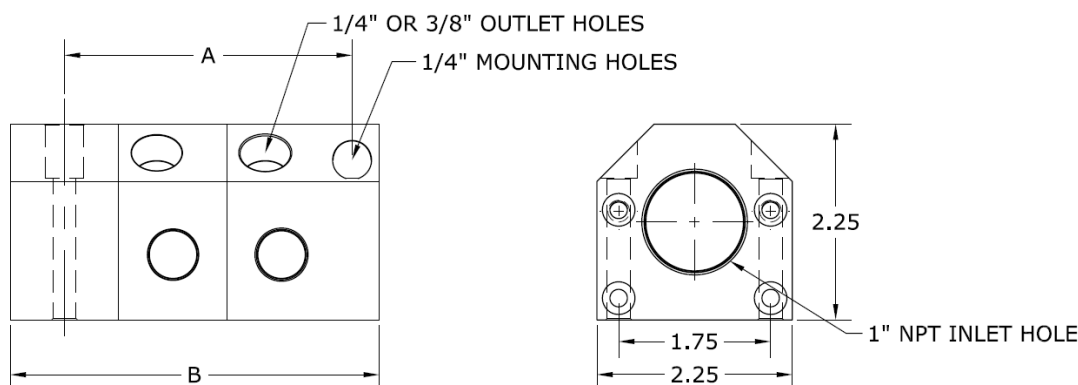
| ITEM NO.                      | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION B | DIMENSION A |
|-------------------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| <b>90° Port-to-Blank (PB)</b> |                  |             |                |               |             |             |
| FB290-1-4-B-PB                | 1/4              | Blue        | 3              | 1             | 3.5         | 2.56        |
| FB290-1-4-R-PB                | 1/4              | Red         | 3              | 1             | 3.5         | 2.56        |
| FB290-1-6-B-PB                | 3/8              | Blue        | 3              | 1             | 3.5         | 2.56        |
| FB290-2-4-R-PB                | 1/4              | Red         | 8              | 1             | 4.75        | 3.81        |
| FB290-2-6-B-PB                | 3/8              | Blue        | 8              | 1             | 4.75        | 3.81        |
| FB290-2-6-R-PB                | 3/8              | Red         | 8              | 1             | 4.75        | 3.81        |
| FB290-3-4-B-PB                | 1/4              | Blue        | 13             | 1             | 6           | 5.06        |
| FB290-3-4-R-PB                | 1/4              | Red         | 13             | 1             | 6           | 5.06        |



## FB2 90° Port-to-Blank Assemblies (Cont'd)

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (1/4")
- Viton O-Rings and Tie Rods included
- Manifolds are available for pH levels above 7.8
- 2.25"x2.25" Block size
- Inlet Hole: 1" NPT



**U** Inch



Max Operating Temperature: 400°F (204°C)

| ITEM NO.                      | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION B | DIMENSION A |
|-------------------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| <b>90° Port-to-Blank (PB)</b> |                  |             |                |               |             |             |
| FB290-3-6-B-PB                | 3/8              | Blue        | 13             | 1             | 6           | 5.06        |
| FB290-3-6-R-PB                | 3/8              | Red         | 13             | 1             | 6           | 5.06        |
| FB290-4-4-B-PB                | 1/4              | Blue        | 18             | 1             | 7.25        | 6.31        |
| FB290-4-4-R-PB                | 1/4              | Red         | 18             | 1             | 7.25        | 6.31        |
| FB290-4-6-B-PB                | 3/8              | Blue        | 18             | 1             | 7.25        | 6.31        |
| FB290-4-6-R-PB                | 3/8              | Red         | 18             | 1             | 7.25        | 6.31        |
| FB290-5-4-B-PB                | 1/4              | Blue        | 23             | 1             | 8.5         | 7.56        |
| FB290-5-4-R-PB                | 1/4              | Red         | 23             | 1             | 8.5         | 7.56        |
| FB290-5-6-B-PB                | 3/8              | Blue        | 23             | 1             | 8.5         | 7.56        |
| FB290-5-6-R-PB                | 3/8              | Red         | 23             | 1             | 8.5         | 7.56        |
| FB290-1-6-R-PB                | 3/8              | Red         | 3              | 1             | 3.5         | 2.56        |
| FB290-2-4-B-PB                | 1/4              | Blue        | 8              | 1             | 4.75        | 3.81        |



## FB2 Individual Components

### Features

- Block Size: 2.25" W x 2.25" H
- Material: 6061-T6 Alum Manifold Bar Stock
- Finish: Anodized
- Mounting Hole Size: 1/4" SHCS
- Inlet Hole: 1" NPT
- Outlet Hole: 1/4" or 3/8"

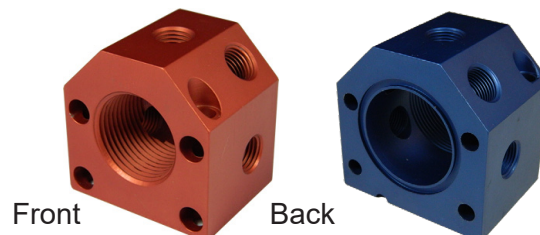
**U** Inch

First Block—Straight—(1" NPT Inlet)



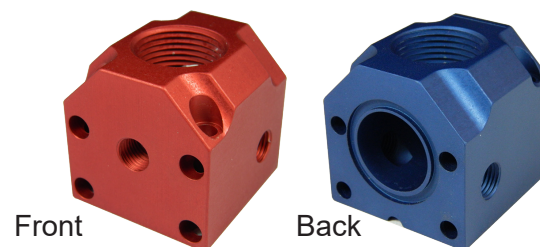
Max Operating Temperature: 400°F (204°C)

| ITEM NO.     | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS |
|--------------|------------------|-------------|----------------|
| FB2-FB-1-4-R | 1/4"             | Red         | 5              |
| FB2-FB-1-4-B | 1/4"             | Blue        | 5              |
| FB2-FB-1-6-R | 3/8"             | Red         | 5              |
| FB2-FB-1-6-B | 3/8"             | Blue        | 5              |



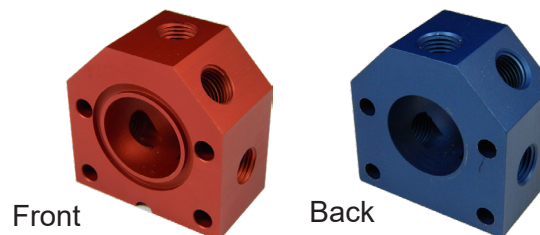
First Block—90°—(1" NPT Inlet)

| ITEM NO.       | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS |
|----------------|------------------|-------------|----------------|
| FB2-FB90-1-4-R | 1/4"             | Red         | 3              |
| FB2-FB90-1-4-B | 1/4"             | Blue        | 3              |
| FB2-FB90-1-6-R | 3/8"             | Red         | 3              |
| FB2-FB90-1-6-B | 3/8"             | Blue        | 3              |



Mod Block

| ITEM NO.    | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS |
|-------------|------------------|-------------|----------------|
| FB2-MOD-4-R | 1/4"             | Red         | 5              |
| FB2-MOD-4-B | 1/4"             | Blue        | 5              |
| FB2-MOD-6-R | 3/8"             | Red         | 5              |
| FB2-MOD-6-B | 3/8"             | Blue        | 5              |



Mid Block (or End Block)

| ITEM NO.   | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS |
|------------|------------------|-------------|----------------|
| FB2-MIDB-1 | n/a              | Silver      | 0              |



\*Used in both the PD and PB Configurations

### Miscellaneous Hardware

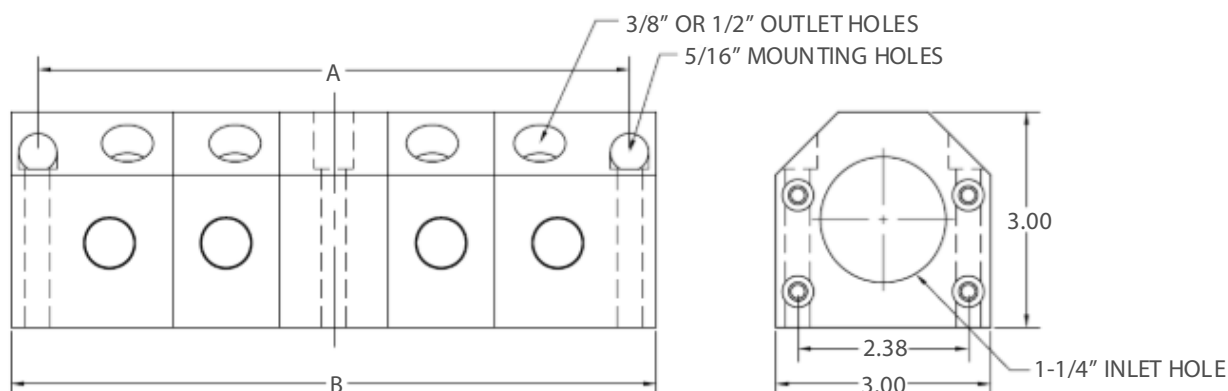
| ITEM NO.     | DESCRIPTION                   |
|--------------|-------------------------------|
| FB2-OR-1     | Viton O-Ring                  |
| FB2-TR-1     | #10-32 Tie Rod (Single Block) |
| FB2-SHCS-05  | #10-32 X 3/4" SS SHCS         |
| FB2-SHCS-1   | #10-32 x 1" SS SHCS           |
| FB2-SHCS-2   | #10-32 x 1-1/4" SS SHCS       |
| FB2-SHCS-MNT | 1/4"-20 x 2" SS SHCS          |



## FB3 Port-to-Divide Assemblies - 1 1/4" Inlet

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 1 1/4" NPT
- 3" x 3" Block size


**U** Inch


Max Operating Temperature: 400°F (204°C)

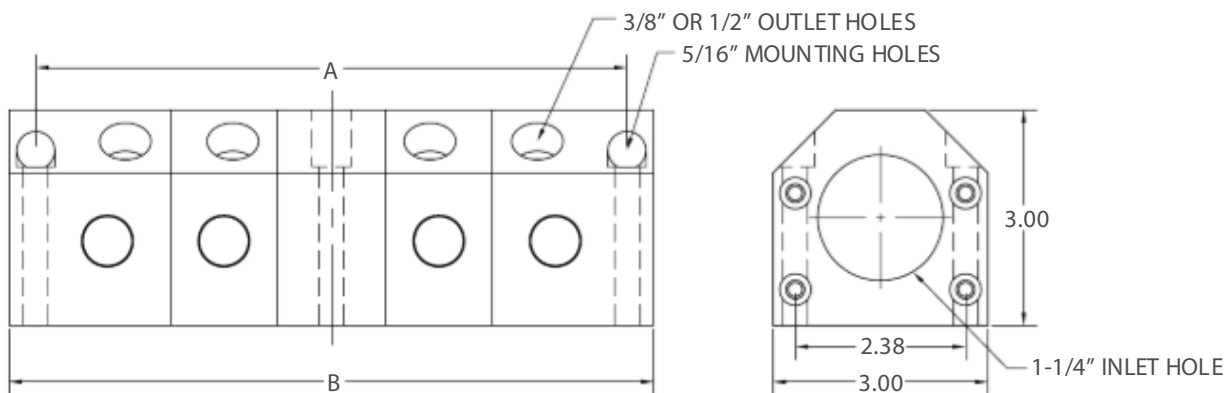
| ITEM NO.            | OUTLET HOLE SIZE | NO. OF RED OUT-LETS | NO. OF BLUE OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|---------------------|------------------|---------------------|---------------------|---------------|-------------|-------------|
| Port-to-Divide (PD) |                  |                     |                     |               |             |             |
| FB3-1-6-PD-1.25     | 3/8              | 5                   | 5                   | 2             | 5.25        | 6           |
| FB3-2-6-PD-1.25     | 3/8              | 10                  | 10                  | 2             | 8.25        | 9           |
| FB3-3-6-PD-1.25     | 3/8              | 15                  | 15                  | 2             | 11.25       | 12          |
| FB3-4-6-PD-1.25     | 3/8              | 20                  | 20                  | 2             | 14.25       | 15          |
| FB3-5-6-PD-1.25     | 3/8              | 25                  | 25                  | 2             | 17.25       | 18          |
| FB3-1-8-PD-1.25     | 1/2              | 5                   | 5                   | 2             | 5.25        | 6           |
| FB3-2-8-PD-1.25     | 1/2              | 10                  | 10                  | 2             | 8.25        | 9           |
| FB3-3-8-PD-1.25     | 1/2              | 15                  | 15                  | 2             | 11.25       | 12          |
| FB3-4-8-PD-1.25     | 1/2              | 20                  | 20                  | 2             | 14.25       | 15          |
| FB3-5-8-PD-1.25     | 1/2              | 25                  | 25                  | 2             | 17.25       | 18          |



## FB3 90° Port-to-Divide Assemblies - 1 1/4" Inlet

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 1 1/4" NPT
- 3" x 3" Block size



**U** Inch



Max Operating Temperature: 400°F (204°C)

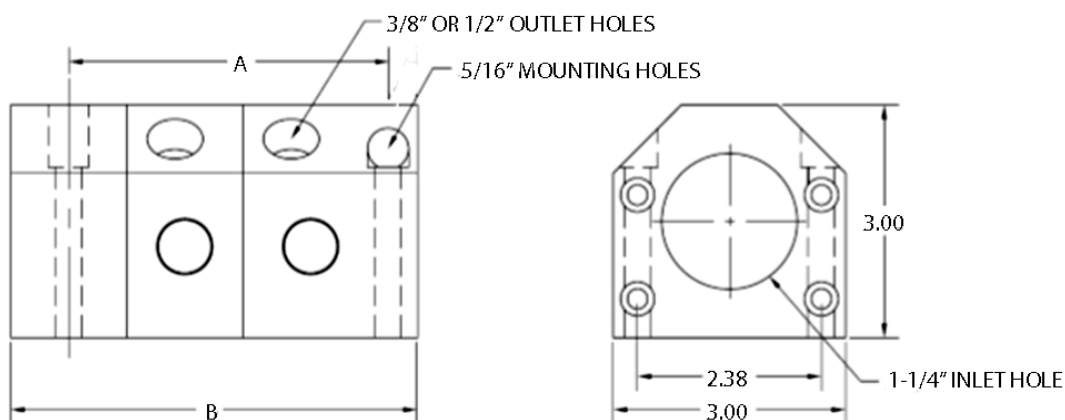
| ITEM NO.                | OUTLET HOLE SIZE | NO. OF RED OUT-LETS | NO. OF BLUE OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|-------------------------|------------------|---------------------|---------------------|---------------|-------------|-------------|
| 90° Port-to-Divide (PD) |                  |                     |                     |               |             |             |
| FB390-1-6-PD-1.25       | 3/8              | 3                   | 3                   | 2             | 6.75        | 7.5         |
| FB390-2-6-PD-1.25       | 3/8              | 8                   | 8                   | 2             | 9.75        | 10.5        |
| FB390-3-6-PD-1.25       | 3/8              | 13                  | 13                  | 2             | 12.75       | 13.5        |
| FB390-4-6-PD-1.25       | 3/8              | 18                  | 18                  | 2             | 15.75       | 16.5        |
| FB390-5-6-PD-1.25       | 3/8              | 23                  | 23                  | 2             | 18.75       | 19.5        |
| FB390-1-8-PD-1.25       | 1/2              | 3                   | 3                   | 2             | 6.75        | 7.5         |
| FB390-2-8-PD-1.25       | 1/2              | 8                   | 8                   | 2             | 9.75        | 10.5        |
| FB390-3-8-PD-1.25       | 1/2              | 13                  | 13                  | 2             | 12.75       | 13.5        |
| FB390-4-8-PD-1.25       | 1/2              | 18                  | 18                  | 2             | 15.75       | 16.5        |
| FB390-5-8-PD-1.25       | 1/2              | 23                  | 23                  | 2             | 18.75       | 19.5        |



## FB3 Port-to-Blank Assemblies - 1 1/4" Inlet

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 1 1/4" NPT
- 3" x 3" Block size


**U** Inch


Max Operating Temperature: 400°F (204°C)

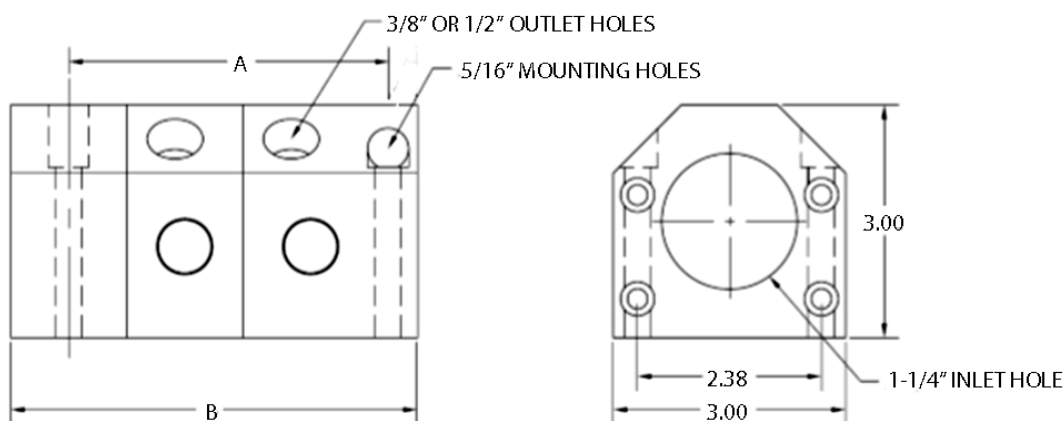
| ITEM NO.                  | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|---------------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| <b>Port-to-Blank (PB)</b> |                  |             |                |               |             |             |
| FB3-1-6-B-PB-1.25         | 3/8              | Blue        | 5              | 1             | 2.63        | 3.75        |
| FB3-2-6-B-PB-1.25         | 3/8              | Blue        | 10             | 1             | 4.13        | 5.25        |
| FB3-3-6-B-PB-1.25         | 3/8              | Blue        | 15             | 1             | 5.63        | 6.75        |
| FB3-4-6-B-PB-1.25         | 3/8              | Blue        | 20             | 1             | 7.13        | 8.25        |
| FB3-5-6-B-PB-1.25         | 3/8              | Blue        | 25             | 1             | 8.63        | 9.75        |
| FB3-1-6-R-PB-1.25         | 3/8              | Red         | 5              | 1             | 2.63        | 3.75        |
| FB3-2-6-R-PB-1.25         | 3/8              | Red         | 10             | 1             | 4.13        | 5.25        |
| FB3-3-6-R-PB-1.25         | 3/8              | Red         | 15             | 1             | 5.63        | 6.75        |
| FB3-4-6-R-PB-1.25         | 3/8              | Red         | 20             | 1             | 7.13        | 8.25        |
| FB3-5-6-R-PB-1.25         | 3/8              | Red         | 25             | 1             | 8.63        | 9.75        |
| FB3-1-8-B-PB-1.25         | 1/2              | Blue        | 5              | 1             | 2.63        | 3.75        |
| FB3-2-8-B-PB-1.25         | 1/2              | Blue        | 10             | 1             | 4.13        | 5.25        |
| FB3-3-8-B-PB-1.25         | 1/2              | Blue        | 15             | 1             | 5.63        | 6.75        |



## FB3 Port-to-Blank Assemblies - 1 1/4" Inlet (Cont'd)

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 1 1/4" NPT
- 3" x 3" Block size


**U** Inch


Max Operating Temperature: 400°F (204°C)

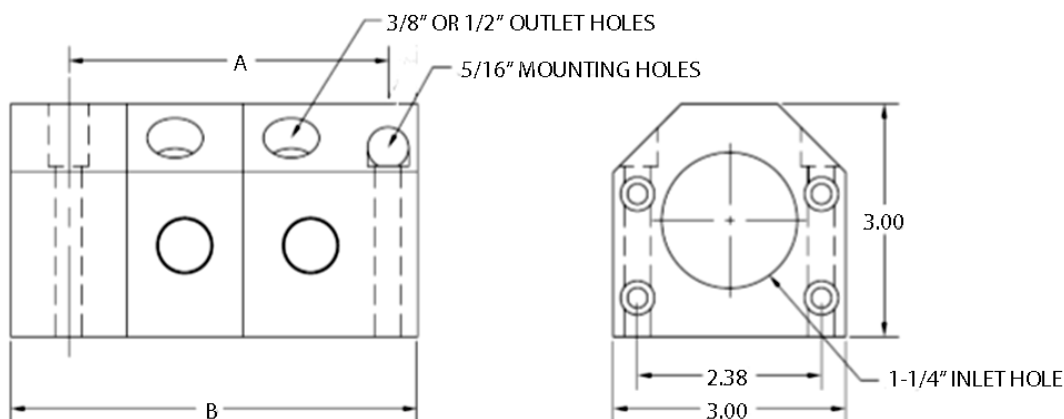
| ITEM NO.           | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|--------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| Port-to-Blank (PB) |                  |             |                |               |             |             |
| FB3-4-8-B-PB-1.25  | 1/2              | Blue        | 20             | 1             | 7.13        | 8.25        |
| FB3-5-8-B-PB-1.25  | 1/2              | Blue        | 25             | 1             | 8.63        | 9.75        |
| FB3-1-8-R-PB-1.25  | 1/2              | Red         | 5              | 1             | 2.63        | 3.75        |
| FB3-2-8-R-PB-1.25  | 1/2              | Red         | 10             | 1             | 4.13        | 5.63        |
| FB3-3-8-R-PB-1.25  | 1/2              | Red         | 15             | 1             | 5.63        | 6.75        |
| FB3-4-8-R-PB-1.25  | 1/2              | Red         | 20             | 1             | 7.13        | 8.25        |
| FB3-5-8-R-PB-1.25  | 1/2              | Red         | 25             | 1             | 8.63        | 9.75        |



## FB3 90° Port-to-Blank Assemblies - 1 1/4" Inlet

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 1 1/4" NPT
- 3" x 3" Block size



**U** Inch



Max Operating Temperature: 400°F (204°C)

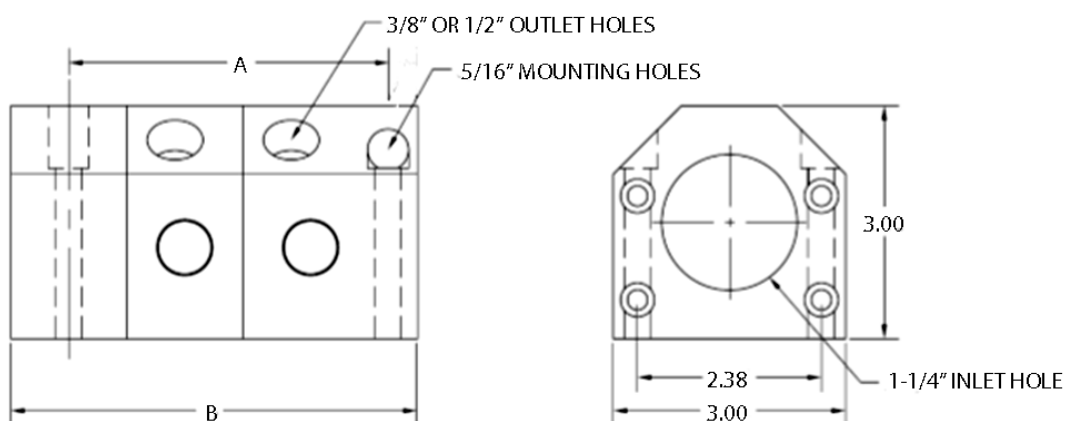
| ITEM NO.               | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|------------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| 90° Port-to-Blank (PB) |                  |             |                |               |             |             |
| FB390-1-6-B-PB-1.25    | 3/8              | Blue        | 3              | 1             | 3.38        | 4.5         |
| FB390-2-6-B-PB-1.25    | 3/8              | Blue        | 8              | 1             | 4.88        | 6           |
| FB390-3-6-B-PB-1.25    | 3/8              | Blue        | 13             | 1             | 6.38        | 7.5         |
| FB390-4-6-B-PB-1.25    | 3/8              | Blue        | 18             | 1             | 7.88        | 9           |
| FB390-5-6-B-PB-1.25    | 3/8              | Blue        | 23             | 1             | 9.38        | 10.5        |
| FB390-1-6-R-PB-1.25    | 3/8              | Red         | 3              | 1             | 3.38        | 4.5         |
| FB390-2-6-R-PB-1.25    | 3/8              | Red         | 8              | 1             | 4.88        | 6           |
| FB390-3-6-R-PB-1.25    | 3/8              | Red         | 13             | 1             | 6.38        | 7.5         |
| FB390-4-6-R-PB-1.25    | 3/8              | Red         | 18             | 1             | 7.88        | 9           |
| FB390-5-6-R-PB-1.25    | 3/8              | Red         | 23             | 1             | 9.38        | 10.5        |
| FB390-1-8-B-PB-1.25    | 1/2              | Blue        | 3              | 1             | 3.38        | 4.5         |
| FB390-2-8-B-PB-1.25    | 1/2              | Blue        | 8              | 1             | 4.88        | 6           |
| FB390-3-8-B-PB-1.25    | 1/2              | Blue        | 13             | 1             | 6.38        | 7.5         |



## FB3 90° Port-to-Blank Assemblies - 1 1/4" Inlet (Cont'd)

## Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 1 1/4" NPT
- 3" x 3" Block size


**U** Inch


Max Operating Temperature: 400°F (204°C)

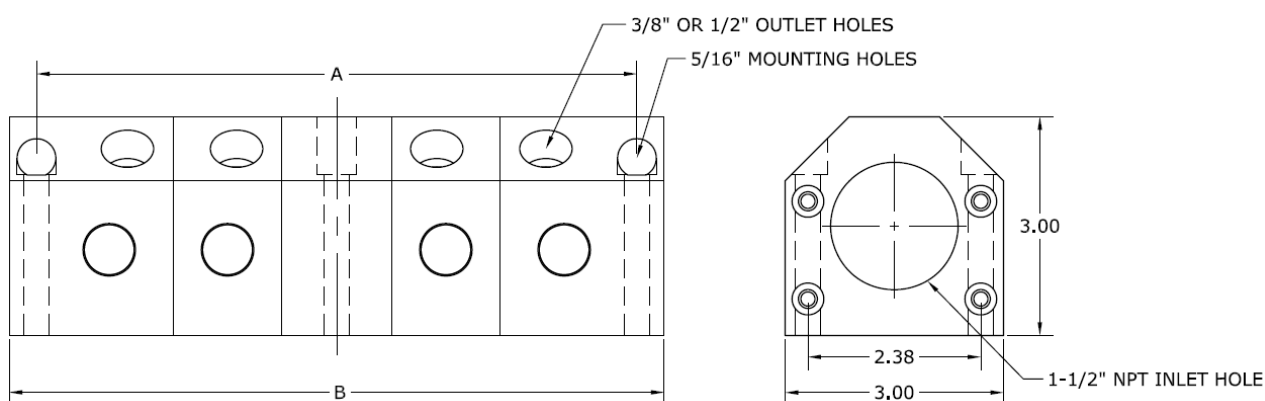
| ITEM NO.               | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|------------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| 90° Port-to-Blank (PB) |                  |             |                |               |             |             |
| FB390-4-8-B-PB-1.25    | 1/2              | Blue        | 18             | 1             | 7.88        | 9           |
| FB390-5-8-B-PB-1.25    | 1/2              | Blue        | 23             | 1             | 9.38        | 10.5        |
| FB390-1-8-R-PB-1.25    | 1/2              | Red         | 3              | 2             | 3.38        | 4.5         |
| FB390-2-8-R-PB-1.25    | 1/2              | Red         | 8              | 1             | 4.88        | 6           |
| FB390-3-8-R-PB-1.25    | 1/2              | Red         | 13             | 1             | 6.38        | 7.5         |
| FB390-4-8-R-PB-1.25    | 1/2              | Red         | 18             | 1             | 7.88        | 9           |
| FB390-5-8-R-PB-1.25    | 1/2              | Red         | 23             | 1             | 9.38        | 10.5        |



## FB3 Port-to-Divide Assemblies - 1 1/2" Inlet

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 1 1/2" NPT
- 3" x 3" Block size



**U** Inch



Max Operating Temperature: 400°F (204°C)

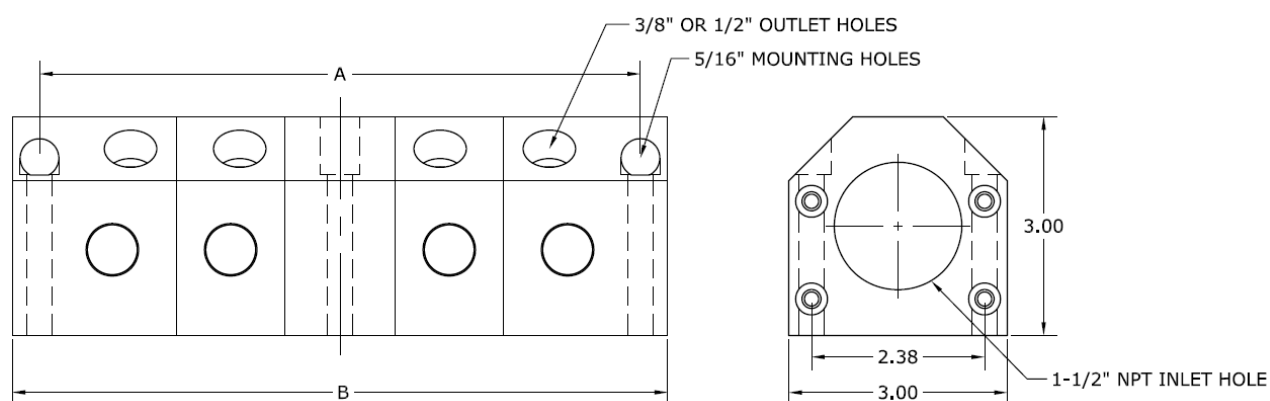
| ITEM NO.            | OUTLET HOLE SIZE | NO. OF RED OUTLETS | NO. OF BLUE OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|---------------------|------------------|--------------------|---------------------|---------------|-------------|-------------|
| Port-to-Divide (PD) |                  |                    |                     |               |             |             |
| FB3-1-6-PD-1.5      | 3/8              | 5                  | 5                   | 2             | 5.25        | 6           |
| FB3-2-6-PD-1.5      | 3/8              | 10                 | 10                  | 2             | 8.25        | 9           |
| FB3-3-6-PD-1.5      | 3/8              | 15                 | 15                  | 2             | 11.25       | 12          |
| FB3-4-6-PD-1.5      | 3/8              | 20                 | 20                  | 2             | 14.25       | 15          |
| FB3-5-6-PD-1.5      | 3/8              | 25                 | 25                  | 2             | 17.25       | 18          |
| FB3-1-8-PD-1.5      | 1/2              | 5                  | 5                   | 2             | 5.25        | 6           |
| FB3-2-8-PD-1.5      | 1/2              | 10                 | 10                  | 2             | 8.25        | 9           |
| FB3-3-8-PD-1.5      | 1/2              | 15                 | 15                  | 2             | 11.25       | 12          |
| FB3-4-8-PD-1.5      | 1/2              | 20                 | 20                  | 2             | 14.25       | 15          |
| FB3-5-8-PD-1.5      | 1/2              | 25                 | 25                  | 2             | 17.25       | 18          |



## FB3 Port-to-Divide Assemblies - 1 1/2" Inlet (Cont'd)

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 1 1/2" NPT
- 3" x 3" Block size


**U** Inch


Max Operating Temperature: 400°F (204°C)

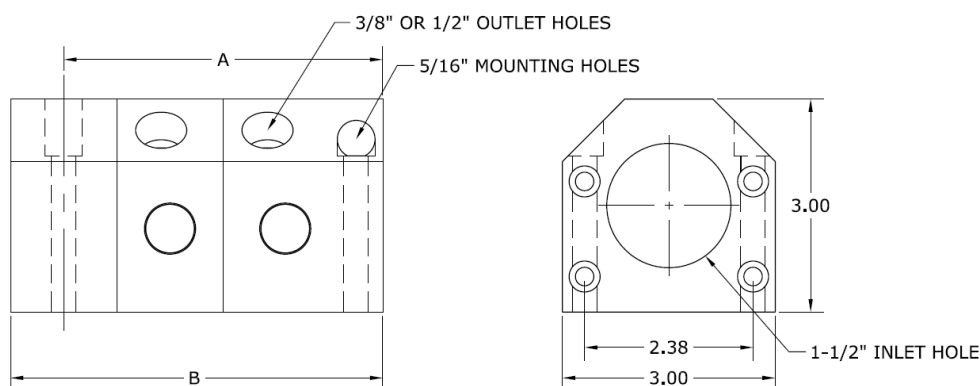
| ITEM NO.                       | OUTLET HOLE SIZE | NO. OF RED OUTLETS | NO. OF BLUE OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|--------------------------------|------------------|--------------------|---------------------|---------------|-------------|-------------|
| <b>90° Port-to-Divide (PD)</b> |                  |                    |                     |               |             |             |
| FB390-1-6-PD-1.5               | 3/8              | 3                  | 3                   | 2             | 6.75        | 7.5         |
| FB390-2-6-PD-1.5               | 3/8              | 8                  | 8                   | 2             | 9.75        | 10.5        |
| FB390-3-6-PD-1.5               | 3/8              | 13                 | 13                  | 2             | 12.75       | 13.5        |
| FB390-4-6-PD-1.5               | 3/8              | 18                 | 18                  | 2             | 15.75       | 16.5        |
| FB390-5-6-PD-1.5               | 3/8              | 23                 | 23                  | 1             | 18.75       | 19.5        |
| FB390-1-8-PD-1.5               | 1/2              | 3                  | 3                   | 2             | 6.75        | 7.5         |
| FB390-2-8-PD-1.5               | 1/2              | 8                  | 8                   | 2             | 9.75        | 10.5        |
| FB390-3-8-PD-1.5               | 1/2              | 13                 | 13                  | 2             | 12.75       | 13.5        |
| FB390-4-8-PD-1.5               | 1/2              | 18                 | 18                  | 2             | 15.75       | 16.5        |
| FB390-5-8-PD-1.5               | 1/2              | 23                 | 23                  | 2             | 18.75       | 19.5        |



## FB3 Port-to-Blank Assemblies - 1 1/2" Inlet

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 1 1/2" NPT
- 3" x 3" Block size


**U** Inch


Max Operating Temperature: 400°F (204°C)

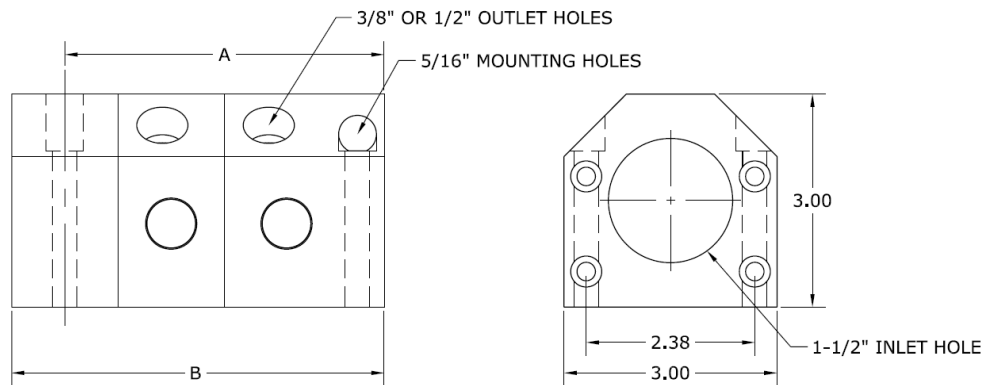
| ITEM NO.           | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|--------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| Port-to-Blank (PB) |                  |             |                |               |             |             |
| FB3-1-6-B-PB-1.5   | 3/8              | Blue        | 5              | 1             | 2.63        | 3.75        |
| FB3-2-6-B-PB-1.5   | 3/8              | Blue        | 10             | 1             | 4.13        | 5.25        |
| FB3-3-6-B-PB-1.5   | 3/8              | Blue        | 15             | 1             | 5.63        | 6.75        |
| FB3-4-6-B-PB-1.5   | 3/8              | Blue        | 20             | 1             | 7.13        | 8.25        |
| FB3-5-6-B-PB-1.5   | 3/8              | Blue        | 25             | 1             | 8.63        | 9.75        |
| FB3-1-6-R-PB-1.5   | 3/8              | Red         | 5              | 1             | 2.63        | 3.75        |
| FB3-2-6-R-PB-1.5   | 3/8              | Red         | 10             | 1             | 4.13        | 5.25        |
| FB3-3-6-R-PB-1.5   | 3/8              | Red         | 15             | 1             | 5.63        | 6.75        |
| FB3-4-6-R-PB-1.5   | 3/8              | Red         | 20             | 1             | 7.13        | 8.25        |
| FB3-5-6-R-PB-1.5   | 3/8              | Red         | 25             | 1             | 8.63        | 9.75        |
| FB3-1-8-B-PB-1.5   | 1/2              | Blue        | 5              | 1             | 2.63        | 3.75        |
| FB3-2-8-B-PB-1.5   | 1/2              | Blue        | 10             | 1             | 4.13        | 5.25        |
| FB3-3-8-B-PB-1.5   | 1/2              | Blue        | 15             | 1             | 5.63        | 6.75        |



## FB3 Port-to-Blank Assemblies - 1 1/2" Inlet (Cont'd)

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 1 1/2" NPT
- 3" x 3" Block size



**U** Inch



Max Operating Temperature: 400°F (204°C)

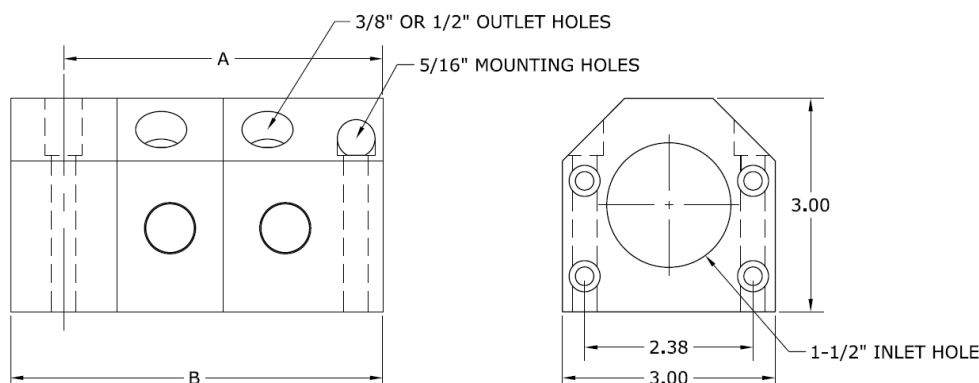
| ITEM NO.           | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|--------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| Port-to-Blank (PB) |                  |             |                |               |             |             |
| FB3-4-8-B-PB-1.5   | 1/2              | Blue        | 20             | 1             | 7.13        | 8.25        |
| FB3-5-8-B-PB-1.5   | 1/2              | Blue        | 25             | 1             | 8.63        | 9.75        |
| FB3-1-8-R-PB-1.5   | 1/2              | Red         | 5              | 1             | 2.63        | 3.75        |
| FB3-2-8-R-PB-1.5   | 1/2              | Red         | 10             | 1             | 4.13        | 5.25        |
| FB3-3-8-R-PB-1.5   | 1/2              | Red         | 15             | 1             | 5.63        | 6.75        |
| FB3-4-8-R-PB-1.5   | 1/2              | Red         | 20             | 1             | 7.13        | 8.25        |
| FB3-5-8-R-PB-1.5   | 1/2              | Red         | 25             | 1             | 8.63        | 9.75        |



## FB3 90° Port-to-Blank Assemblies - 1 1/2" Inlet

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16" SHCS)
- Viton O-Rings and Tie Rods included
- Inlet Hole: 1 1/2" NPT
- 3" x 3" Block size



**U** Inch



Max Operating Temperature: 400°F (204°C)

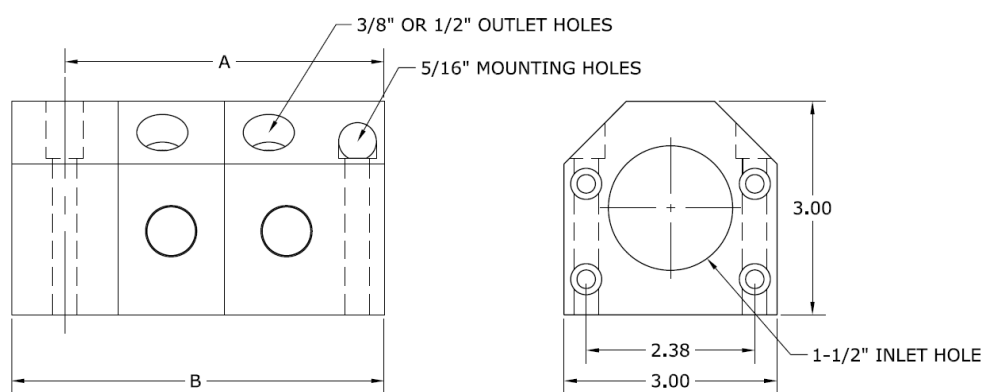
| ITEM NO.               | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|------------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| 90° Port-to-Blank (PB) |                  |             |                |               |             |             |
| FB390-1-6-B-PB-1.5     | 3/8              | Blue        | 3              | 1             | 3.38        | 4.5         |
| FB390-2-6-B-PB-1.5     | 3/8              | Blue        | 8              | 1             | 4.88        | 6           |
| FB390-3-6-B-PB-1.5     | 3/8              | Blue        | 13             | 1             | 6.38        | 7.5         |
| FB390-4-6-B-PB-1.5     | 3/8              | Blue        | 18             | 1             | 7.88        | 9           |
| FB390-5-6-B-PB-1.5     | 3/8              | Blue        | 23             | 1             | 9.38        | 10.5        |
| FB390-1-6-R-PB-1.5     | 3/8              | Red         | 3              | 1             | 3.38        | 4.5         |
| FB390-2-6-R-PB-1.5     | 3/8              | Red         | 8              | 1             | 4.88        | 6           |
| FB390-3-6-R-PB-1.5     | 3/8              | Red         | 13             | 1             | 6.38        | 7.5         |
| FB390-4-6-R-PB-1.5     | 3/8              | Red         | 18             | 1             | 7.88        | 9           |
| FB390-5-6-R-PB-1.5     | 3/8              | Red         | 23             | 1             | 9.38        | 10.5        |
| FB390-1-8-B-PB-1.5     | 1/2              | Blue        | 3              | 1             | 3.38        | 4.5         |
| FB390-2-8-B-PB-1.5     | 1/2              | Blue        | 8              | 1             | 4.88        | 6           |
| FB390-3-8-B-PB-1.5     | 1/2              | Blue        | 13             | 1             | 6.38        | 7.5         |



## FB3 90° Port-to-Blank Assemblies - 1 1/2" Inlet (Cont'd)

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16" SHCS)
- Viton O-Rings and Tie Rods included
- Inlet Hole: 1 1/2" NPT
- 3" x 3" Block size



**U** Inch



Max Operating Temperature: 400°F (204°C)

| ITEM NO.               | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|------------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| 90° Port-to-Blank (PB) |                  |             |                |               |             |             |
| FB390-4-8-B-PB-1.5     | 1/2              | Blue        | 18             | 1             | 7.88        | 9           |
| FB390-5-8-B-PB-1.5     | 1/2              | Blue        | 23             | 1             | 9.38        | 10.5        |
| FB390-1-8-R-PB-1.5     | 1/2              | Red         | 3              | 2             | 3.38        | 4.5         |
| FB390-2-8-R-PB-1.5     | 1/2              | Red         | 8              | 1             | 4.88        | 6           |
| FB390-3-8-R-PB-1.5     | 1/2              | Red         | 13             | 1             | 6.38        | 7.5         |
| FB390-4-8-R-PB-1.5     | 1/2              | Red         | 18             | 1             | 7.88        | 9           |
| FB390-5-8-R-PB-1.5     | 1/2              | Red         | 23             | 1             | 9.38        | 10.5        |



## FB3 Individual Components

### Features

- Block Size: 3.00" W x 3.00" H
- Material: 6061-T6 Alum Manifold Bar Stock
- Finish: Anodized
- Mounting Hole Size: 5/16" SHCS
- Inlet Hole: 1-1/4" or 1-1/2" NPT
- Outlet Hole: 3/8" or 1/2"



Front



Back

 1/2 Inch

First Block—Straight

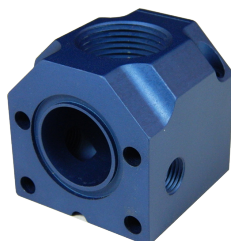


Max Operating Temperature: 400°F (204°C)

| ITEM NO.        | INLET SIZE | OUT-LET SIZE | BLOCK COLOR | NO. OF OUTLETS |
|-----------------|------------|--------------|-------------|----------------|
| FB3-FB-1.25-6-R | 1-1/4"     | 3/8"         | Red         | 5              |
| FB3-FB-1.25-6-B | 1-1/4"     | 3/8"         | Blue        | 5              |
| FB3-FB-1.25-8-R | 1-1/4"     | 1/2"         | Red         | 5              |
| FB3-FB-1.25-8-B | 1-1/4"     | 1/2"         | Blue        | 5              |
| FB3-FB-1.5-6-R  | 1-1/2"     | 3/8"         | Red         | 5              |
| FB3-FB-1.5-6-B  | 1-1/2"     | 3/8"         | Blue        | 5              |
| FB3-FB-1.5-8-R  | 1-1/2"     | 1/2"         | Red         | 5              |
| FB3-FB-1.5-8-B  | 1-1/2"     | 1/2"         | Blue        | 5              |



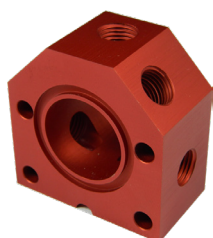
Front



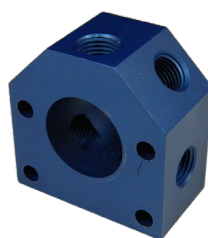
Back

First Block—90°—(1" NPT Inlet)

| ITEM NO.          | INLET SIZE | OUT-LET SIZE | BLOCK COLOR | NO. OF OUTLETS |
|-------------------|------------|--------------|-------------|----------------|
| FB3-FB90-1.25-6-R | 1-1/4"     | 3/8"         | Red         | 3              |
| FB3-FB90-1.25-6-B | 1-1/4"     | 3/8"         | Blue        | 3              |
| FB3-FB90-1.25-8-R | 1-1/4"     | 1/2"         | Red         | 3              |
| FB3-FB90-1.25-8-B | 1-1/4"     | 1/2"         | Blue        | 3              |
| FB3-FB90-1.5-6-R  | 1-1/2"     | 3/8"         | Red         | 3              |
| FB3-FB90-1.5-6-B  | 1-1/2"     | 3/8"         | Blue        | 3              |
| FB3-FB90-1.5-8-R  | 1-1/2"     | 1/2"         | Red         | 3              |
| FB3-FB90-1.5-8-B  | 1-1/2"     | 1/2"         | Blue        | 3              |



Front



Back

Mod Block

| ITEM NO.    | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS |
|-------------|------------------|-------------|----------------|
| FB3-MOD-6-R | 3/8"             | Red         | 5              |
| FB3-MOD-6-B | 3/8"             | Blue        | 5              |
| FB3-MOD-8-R | 1/2"             | Red         | 5              |
| FB3-MOD-8-B | 1/2"             | Blue        | 5              |



## FB3 Individual Components (Cont'd)

### Features

- Block Size: 3.00" W x 3.00" H
- Material: 6061-T6 Alum Manifold Bar Stock
- Finish: Anodized
- Mounting Hole Size: 5/16" SHCS
- Inlet Hole: 1-1/4" or 1-1/2" NPT
- Outlet Hole: 3/8" or 1/2"



Front



Back


 Inch

Mid Block (or End Block)



Max Operating Temperature: 400°F (204°C)

| ITEM NO.   | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS |
|------------|------------------|-------------|----------------|
| FB2-MIDB-1 | n/a              | Silver      | 0              |

\*Used in both the PD and PB Configurations

### Miscellaneous Hardware

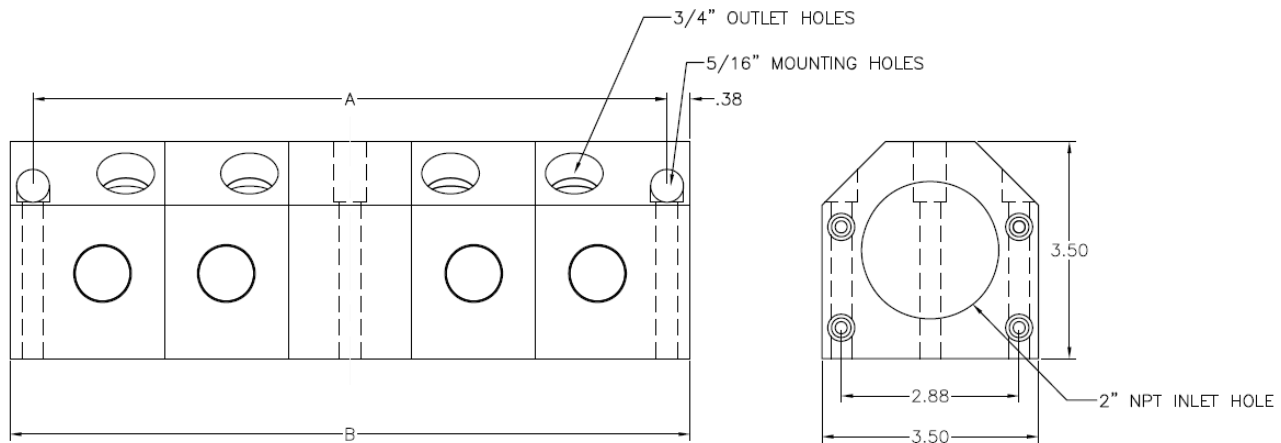
| ITEM NO.     | DESCRIPTION                   |
|--------------|-------------------------------|
| FB2-OR-1     | Viton O-Ring                  |
| FB2-TR-1     | #10-32 Tie Rod (Single Block) |
| FB2-SHCS-05  | #10-32 X 3/4" SS SHCS         |
| FB2-SHCS-1   | #10-32 x 1" SS SHCS           |
| FB2-SHCS-2   | #10-32 x 1-1/4" SS SHCS       |
| FB2-SHCS-MNT | 1/4"-20 x 2" SS SHCS          |



## FB4 Port-to-Divide Assemblies

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 2" NPT
- 3.50" x 3.50" Block size



**U** Inch



Max Operating Temperature: 400°F (204°C)

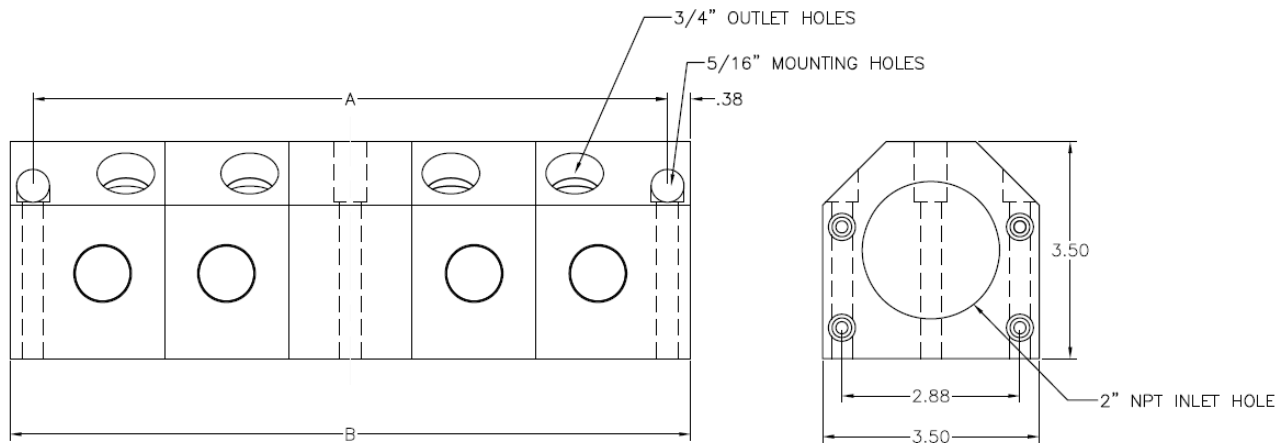
| ITEM NO.                       | OUTLET HOLE SIZE | NO. OF RED OUTLETS | NO. OF BLUE OUTLETS | NO. OF IN-LETS | DIMENSION A | DIMENSION B |
|--------------------------------|------------------|--------------------|---------------------|----------------|-------------|-------------|
| <b>Port-to-Divide (PD)</b>     |                  |                    |                     |                |             |             |
| FB4-1-10-PD                    | 3/4              | 5                  | 5                   | 2              | 6.25        | 7           |
| FB4-2-10-PD                    | 3/4              | 10                 | 10                  | 2              | 10.25       | 11          |
| FB4-3-10-PD                    | 3/4              | 15                 | 15                  | 2              | 14.25       | 15          |
| FB4-4-10-PD                    | 3/4              | 20                 | 20                  | 2              | 18.25       | 19          |
| FB4-5-10-PD                    | 3/4              | 25                 | 25                  | 2              | 22.25       | 23          |
| <b>90° Port-to-Divide (PD)</b> |                  |                    |                     |                |             |             |
| FB490-1-10-PD                  | 3/4              | 3                  | 3                   | 2              | 6.75        | 7.5         |
| FB490-2-10-PD                  | 3/4              | 8                  | 8                   | 2              | 9.75        | 10.5        |
| FB490-3-10-PD                  | 3/4              | 13                 | 13                  | 2              | 12.75       | 13.5        |
| FB490-4-10-PD                  | 3/4              | 18                 | 18                  | 2              | 15.75       | 16.5        |
| FB490-5-10-PD                  | 3/4              | 23                 | 23                  | 2              | 18.75       | 19.5        |



## FB4 Port-to-Blank Assemblies

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 2" NPT
- 3.50" x 3.50" Block size



**U** Inch



Max Operating Temperature: 400°F (204°C)

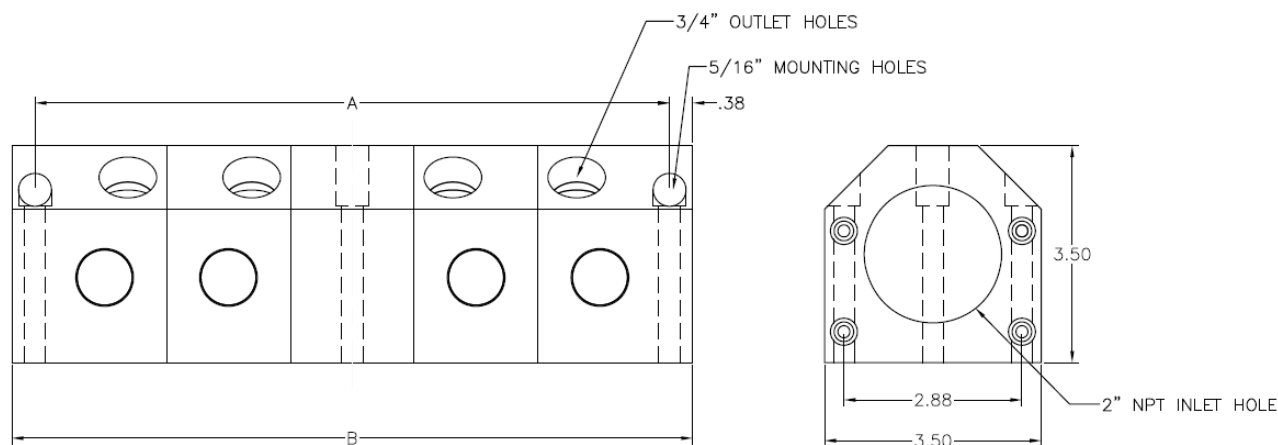
| ITEM NO.           | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|--------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| Port-to-Blank (PB) |                  |             |                |               |             |             |
| FB4-1-10-B-PB      | 3/4              | Blue        | 5              | 1             | 3.13        | 4.5         |
| FB4-2-10-B-PB      | 3/4              | Blue        | 10             | 1             | 5.13        | 6.5         |
| FB4-3-10-B-PB      | 3/4              | Blue        | 15             | 1             | 7.13        | 8.5         |
| FB4-4-10-B-PB      | 3/4              | Blue        | 20             | 1             | 9.13        | 10.5        |
| FB4-5-10-B-PB      | 3/4              | Blue        | 25             | 1             | 11.13       | 12.5        |
| FB4-1-10-R-PB      | 3/4              | Red         | 5              | 1             | 3.13        | 4.5         |
| FB4-2-10-R-PB      | 3/4              | Red         | 10             | 1             | 5.13        | 6.5         |
| FB4-3-10-R-PB      | 3/4              | Red         | 15             | 1             | 7.13        | 8.5         |
| FB4-4-10-R-PB      | 3/4              | Red         | 20             | 1             | 9.13        | 10.5        |
| FB4-5-10-R-PB      | 3/4              | Red         | 25             | 1             | 11.13       | 12.5        |



## FB4 90° Port-to-Blank Assemblies

### Features

- Modular construction
- 6061-T6 Aluminum Material
- Anodized for corrosion protection
- Pre-drilled mounting holes (5/16")
- Viton O-Rings and Tie Rods included
- Inlet Hole: 2" NPT
- 3.50" x 3.50" Block size



**U** Inch



Max Operating Temperature: 400°F (204°C)

| ITEM NO.              | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS | NO. OF INLETS | DIMENSION A | DIMENSION B |
|-----------------------|------------------|-------------|----------------|---------------|-------------|-------------|
| 90°Port-to-Blank (PB) |                  |             |                |               |             |             |
| FB490-1-10-B-PB       | 3/4              | Blue        | 3              | 1             | 4.13        | 5.5         |
| FB490-2-10-B-PB       | 3/4              | Blue        | 8              | 1             | 6.13        | 7.5         |
| FB490-3-10-B-PB       | 3/4              | Blue        | 13             | 1             | 8.13        | 9.5         |
| FB490-4-10-B-PB       | 3/4              | Blue        | 18             | 1             | 10.13       | 11.5        |
| FB490-5-10-B-PB       | 3/4              | Blue        | 23             | 1             | 12.13       | 13.5        |
| FB490-1-10-R-PB       | 3/4              | Red         | 3              | 1             | 4.13        | 5.5         |
| FB490-2-10-R-PB       | 3/4              | Red         | 8              | 1             | 6.13        | 7.5         |
| FB490-3-10-R-PB       | 3/4              | Red         | 13             | 1             | 8.13        | 9.5         |
| FB490-4-10-R-PB       | 3/4              | Red         | 18             | 1             | 10.13       | 11.5        |
| FB490-5-10-R-PB       | 3/4              | Red         | 23             | 1             | 12.13       | 13.5        |



## FB4 Individual Components

### Features

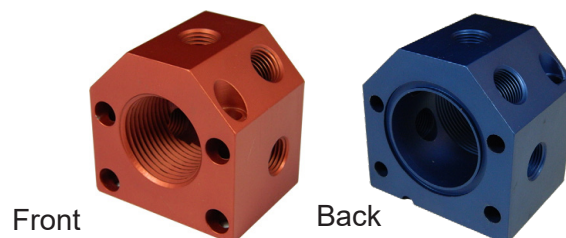
- Block Size: 3.50" W x 3.50" H
- Material: 6061-T6 Alum Manifold Bar Stock
- Finish: Anodized
- Mounting Hole Size: 5/16" SHCS
- Inlet Hole: 2" NPT
- Outlet Hole: 3/4"

 Inch


Max Operating Temperature: 400°F (204°C)

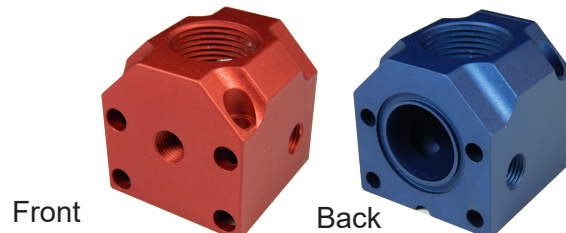
#### First Block—Straight—(2" NPT Inlet)

| ITEM NO.      | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS |
|---------------|------------------|-------------|----------------|
| FB4-FB-2-10-R | 3/4"             | Red         | 5              |
| FB4-FB-2-10-B | 3/4"             | Blue        | 5              |



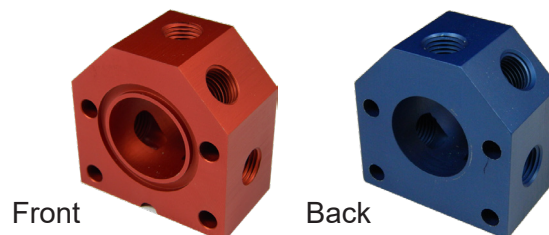
#### First Block—90°—(2" NPT Inlet)

| ITEM NO.        | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS |
|-----------------|------------------|-------------|----------------|
| FB4-FB90-2-10-R | 3/4"             | Red         | 3              |
| FB4-FB90-2-10-B | 3/4"             | Blue        | 3              |



#### Mod Block

| ITEM NO.     | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS |
|--------------|------------------|-------------|----------------|
| FB4-MOD-10-R | 3/4"             | Red         | 5              |
| FB4-MOD-10-B | 3/4"             | Blue        | 5              |



#### Mid Block (or End Block)

| ITEM NO.   | OUTLET HOLE SIZE | BLOCK COLOR | NO. OF OUTLETS |
|------------|------------------|-------------|----------------|
| FB2-MIDB-1 | n/a              | Silver      | 0              |

\*Used in both the PD and PB Configurations



#### Miscellaneous Hardware

| ITEM NO.     | DESCRIPTION                   |
|--------------|-------------------------------|
| FB4-OR-1     | Viton O-Ring                  |
| FB4-TR-1     | M6-1.0 Tie Rod (Single Block) |
| FB4-SHCS-1   | M6-1.0 x 25mm SS SHCS         |
| FB4-SHCS-2   | M6-1.0 x 30mm SS SHCS         |
| FB4-SHCS-3   | M6-1.0 x 40mm SS SHCS         |
| FB4-SHCS-4   | M6-1.0 x 45mm SS SHCS         |
| FB4-SHCS-MNT | 5/16" x 3" SS SHCS            |

