

# 9. Flow Control Valves

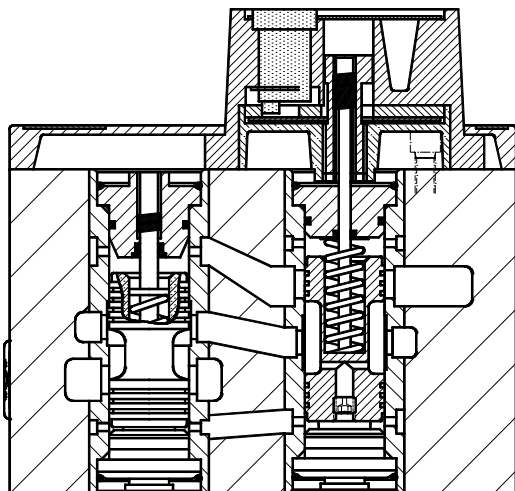
| Series | Model   | Size   | Max. Flow<br>(GPM) | Max. Pressure<br>(PSI) | Remarks                                                                                                                                                                       | Page            |
|--------|---------|--------|--------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 2F1C   | 2F1C02  | 3/8"   | 13.7               | 4000                   | <ul style="list-style-type: none"> <li>• Pressure compensated</li> <li>• Reverse flow check valve option</li> </ul>                                                           | 9 - 2           |
|        | 2F1C03  | 3/4"   | 29.6               | 5000                   |                                                                                                                                                                               |                 |
| DRV7   | DRV7-08 | 1/2"   | 26.4               | 5000                   | <ul style="list-style-type: none"> <li>• Body, threaded</li> <li>• Subplate</li> <li>• Cartridge</li> </ul>                                                                   | 9 - 3           |
|        | DRV7-16 | 1"     | 52.8               | 5000                   |                                                                                                                                                                               |                 |
|        | DRV7-24 | 1 1/2" | 132.1              | 5000                   |                                                                                                                                                                               |                 |
| F5C    | F5C06   | 3/4"   | 25                 | 3900                   | <ul style="list-style-type: none"> <li>• SAE-61 Flange mounted body</li> <li>• Integrated check valve option</li> <li>• Associated 2-port and 3-port compensators.</li> </ul> | See Section 10. |
|        | F5C08   | 1"     | 50                 | 3900                   |                                                                                                                                                                               |                 |
|        | F5C10   | 1 1/4" | 100                | 3900                   |                                                                                                                                                                               |                 |



## 2F1C Series Flow Control Valve

2F1C01 : 13.7 GPM, 4000 PSI

2F1C02 : 29.6 GPM, 5000 PSI



Key Sheet ..... Example : 2F1C-02-01-B5-C

1. **2F1C-02-01-B5-C** .....Series

| Size                                       | Series         |
|--------------------------------------------|----------------|
| $\frac{3}{8}$ " BSPP, $\frac{3}{8}$ " NPTF | <b>2F1C-02</b> |
| $\frac{3}{4}$ " BSPP, $\frac{3}{4}$ " NPTF | <b>2F1C-03</b> |

2. **2F1C-02-01-B5-C** ..... Control

|               |           |
|---------------|-----------|
| Knob with key | <b>01</b> |
|---------------|-----------|

3. **2F1C-02-01-B5-C** .....Design

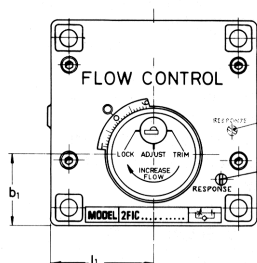
4. **2F1C-02-01-B5-C** .....Seal Class

|                     |                |
|---------------------|----------------|
| Standard : S5 Viton | <b>5</b>       |
| Others              | <b>Denison</b> |

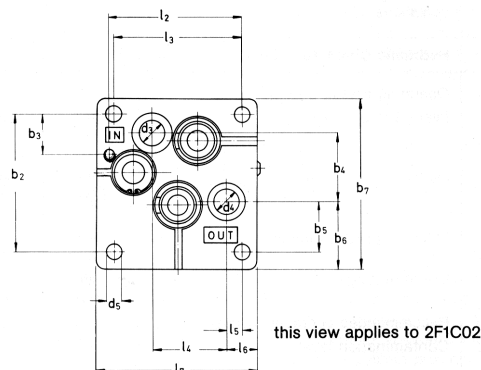
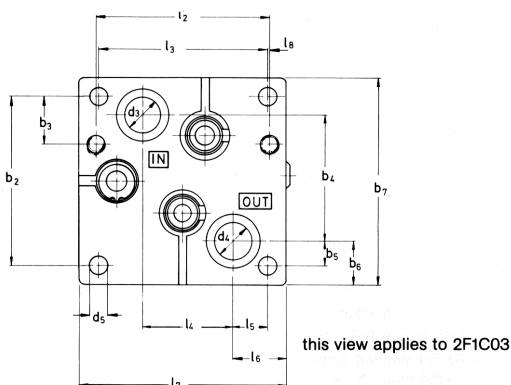
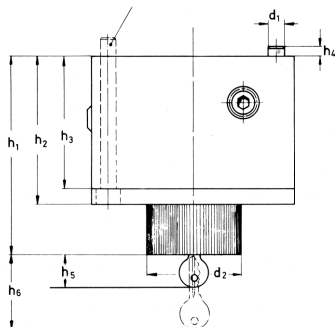
5. **2F1C-02-01-B5-C** ..... Option

|                          |          |
|--------------------------|----------|
| None                     | <b>0</b> |
| Reverse flow check valve | <b>C</b> |

| Symbol | Designation ..... Code            | Symbol | Designation ..... Code            |
|--------|-----------------------------------|--------|-----------------------------------|
|        | 2F1C-02-01-B5-0 ..... 026-46327-5 |        | 2F1C-02-01-B5-C ..... 026-46326-5 |
|        | 2F1C-03-01-B5-0 ..... 026-46328-5 |        | 2F1C-03-01-B5-C ..... 026-46329-5 |



2F1C02:  $\frac{9}{16}$ -18 UNC x 4" lg. or M8-1.25 x 100 mm lg.  
2F1C03:  $\frac{3}{8}$ -16 UNC x 4" lg or M10-1.5 x 100 mm lg.



|           | 2F1C02 | 2F1C03 |
|-----------|--------|--------|
| <b>l1</b> | 1.87   | 2.44   |
| <b>l2</b> | 3.13   | 4.06   |
| <b>l3</b> | 3.00   | 4.00   |
| <b>l4</b> | 1.75   | 2.06   |
| <b>l5</b> | 0.37   | 0.81   |
| <b>l6</b> | 0.75   | 1.25   |
| <b>l7</b> | 3.75   | 4.87   |
| <b>l8</b> |        | 0.03   |
| <b>b1</b> | 1.50   | 1.69   |
| <b>b2</b> | 3.25   | 4.00   |
| <b>b3</b> | 0.94   | 1.13   |
| <b>b4</b> | 1.63   | 2.97   |
| <b>b5</b> | 1.19   | 0.59   |
| <b>b6</b> | 1.56   | 1.03   |
| <b>b7</b> | 4.00   | 4.87   |
| <b>H1</b> | 4.71   | 4.71   |
| <b>h2</b> | 3.44   | 3.51   |
| <b>h3</b> | 3.13   | 3.13   |
| <b>h4</b> | 0.25   | 0.25   |
| <b>h5</b> | 0.79   | 0.79   |
| <b>h6</b> | 1.77   | 1.77   |
| <b>d1</b> | 0.25   | 0.37   |
| <b>d2</b> | 2.25   | 2.25   |
| <b>d3</b> | 0.56   | 0.88   |
| <b>d4</b> | 0.56   | 0.88   |
| <b>d6</b> | 0.34   | 0.41   |
|           |        |        |
|           |        |        |
|           |        |        |