ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

**Artisan Technology Group**
(217) 352-9330 | sales@artisantg.com | artisantg.com

**Full-service, independent repair center**
with experienced engineers and technicians on staff.

**We buy your excess, underutilized, and idle equipment**
along with credit for buybacks and trade-ins.

**Custom engineering**
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

**Expert team | Trust guarantee | 100% satisfaction**

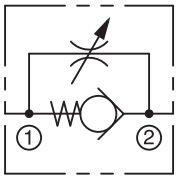
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Find the *Deltrol Fluid Products F30BK* at our website: *Click HERE*

Pneu-Trol®

PIL

IN-LINE






## FLOW RATING

| Size | Max Recommended Flow gpm (lpm) | Co-Efficient (Cv Factor) |
|---|---|---|
| 1/8" | 1.5 (5.7) | .23 |
| 1/4" | 3.0 (11.4) | .54 |
| 3/8" | 5.0 (18.9) | .83 |
| SAE 6 | | |
| 1/2" | 8.0 (30.3) | 1.47 |
| 3/4" | 12.0 (45.4) | 1.90 |

## DESCRIPTION

**A Variable Flow Restrictor with Positive Shut-Off and Free Reverse Flow**

A wide range of flow adjustment in the controlled flow direction is possible because of the fine thread and tapered needle. A spring biased ball check or optional poppet check allows full flow in the opposite direction. Unwanted changes in adjustment are prevented by a lock nut.

- **A wide range of flow adjustability**
- **Lock Nut to maintain flow setting**
- **Positive shut-off**
- **Leak-Tight Ball Check standard**
- **Bubble-Tight Poppet with O-Ring optional**

## SPECIFICATIONS

**Maximum Operating Pressure (Non-Shock Service)**
Brass: 2,000 psi (138 bar)
Carbon Steel: 5,000 psi (345 bar)
Stainless Steel: 5,000 psi (345 bar)

**Maximum Operating Pressure (Flow Control Poppet)**
60 psi (4 bar)

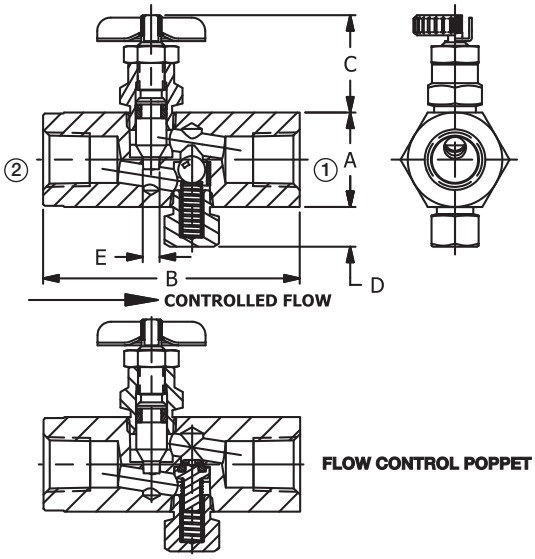
**Cracking Pressure**
1 to 2.5 psi (.07 to .17 bar)
Soft seat check valves if left seated for a period of time, will have the rubber adhere to the metal it is in contact with. This results in an initial high crack point due to sticking. The degree depends on many things (time seated, pressure, etc.).

**Operating Temperature Range**
-15° to +400° F (-26° to +204° C)

**Threads**
NPTF, BSPT, SAE

**Materials**
Body, Housing, Plug: Brass, Steel, Stainless Steel 303
Needle: Brass (Brass Valves)
Stainless Steel 416 (Steel and Stainless Steel Valves)
O-Ring: Viton
Back-Up Washer: Teflon
Ball: Stainless Steel 440
Spring: Stainless Steel 302
Lock Nut: Brass, Steel, Stainless Steel 303
Tamperproof Key: Steel
Knob: Aluminum

## INSTALLATION DIMENSIONS




| Pipe Size | A HEX | B | C Open | D | E Orifice |
|---|---|---|---|---|---|
| 1/8" | 11/16 (17.5) | 1-3/4 (44.5) | 7/8 (22.2) | 13/64 (5.2) | .107 (2.7) |
| 1/4" | 7/8 (22.2) | 2-3/8 (60.3) | 1-1/16 (27.0) | 23/64 (9.1) | .156 (4.0) |
| 3/8" | 1-1/16 (27.0) | 2-3/4 (69.9) | 1-3/16 (30.2) | 11/32 (8.7) | .219 (5.6) |
| 1/2" | 1-5/16 (33.4) | 3-3/16 (81.0) | 1-15/32 (37.3) | 15/32 (11.9) | .281 (7.1) |
| 3/4" | 1-5/8 (41.3) | 3-9/16 (90.5) | 1-11/16 (42.9) | 17/32 (13.5) | .344 (8.7) |

( ) Parentheses = Millimeters

## HOW TO ORDER

| F* | | | | | |
|---|---|---|---|---|---|
| Series | Thread | SAE Size | Size | Material | Knob |

| Code | Series |
|---|---|
| F | Flow Control |
| FP | Flow Control Poppet |

| Code | Thread |
|---|---|
| Omit | NPTF |
| B | BSPT |
| M | SAE |

| Code | SAE Size |
|---|---|
| Omit | NPTF, BSPT |
| 6 | 9/16-18 UNF |

| Code | Size |
|---|---|
| 10 | 1/8" |
| 20 | 1/4" |
| 25 | 3/8" |
| 30 | 1/2" |
| 35 | 3/4" |

| Code | Material |
|---|---|
| B | Brass |
| S | Carbon Steel |
| SS | Stainless Steel |

| Code | Knob |
|---|---|
| Omit | Tamperproof Adjustment Key |
| K | Knob |

## AVAILABLE MODEL CODES

| Size | NPTF Thread | | | ISO 7/1 - RS — BSP Taper Thread | | SAE Thread |
|---|---|---|---|---|---|---|
| | Brass | Steel | Stainless Steel | Brass | Steel | Steel |
| 1/8" | FP10BK<br>F10B<br>F10BK | F10S<br>F10SK | –<br>F10SSK | FB10BK | FB10SK | – |
| 1/4" | FP20BK<br>F20B<br>F20BK | F20S<br>F20SK | –<br>F20SSK | FB20BK | FB20SK | FM620S<br>FM620SK |
| 3/8" | FP25BK<br>F25B<br>F25BK | F25S<br>F25SK | –<br>F25SSK | FB25BK | FB25SK | – |
| 1/2" | F30B<br>F30BK | F30S<br>F30SK | –<br>F30SSK | – | FB30SK | – |
| 3/4" | F35B<br>– | F35SK | –<br>– | – | FB35SK | – |

**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

## Gold-standard solutions

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## We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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