The ‘F’ Type Single Isolating Needle Valve is designed for safe and reliable isolation giving bubble tight shut off, non-rotating & anti-galling tip and dynamic self-adjusting spindle seal to give long service life in a variety of applications.

### Key Features of the Oliver Needle Valve range

- Non rotating tip - self centering & anti-galling
- Piston ring - gives dynamic adjustment of gland seal in response to pressure change
- Anti-blow out spindle - a major safety feature
- Secure seal - precision machined to give leak free operation for the life of the valve. Available in either PTFE or Grafoil

### Standard Specification

| Pressure: 6000psi | Packing: PTFE | Handle: T-Bar | Bore: 0.21” (5.4mm) |
| Temp: 240 deg C  | Thread form: NPT | Seat: Metal to metal | CV: 0.46 |

### Ordering Code

(Typical example) → F 50 S / BT / AT

#### Type

Female x Female

#### Size

- 25 - 1/4”
- 38 - 3/8”
- 50 - 1/2”

#### Material

- S - 316S31 Stainless Steel
- C - 230M07 Carbon Steel
- M - Monel (400)
- HC - Hastalloy (C276)
- (Others available)

#### Optional Connections (NPT Standard)

- BT - BSP Taper
- BP - BSP Parallel (top sealing)
- SW - Socket Weld

#### Options

- AG - Grafoil
- AT - Anti-Tamper
- HL PI - Handle Locking + Position Indicator
- HP - 10000 psi
- HW - Hand Wheel
- LT200 - Cryogenic Head Unit (-200°C)
- LT100 - Cryogenic Head Unit (-100°C)
- LT000 - Cryogenic Head Unit (0°C)
- MT - Metering Tip
- MTG - Mounting Holes x 2
- NA - NACE MR-01-75 (latest revision)
- OXY - Oxygen Cleaned
- PK - PEEK Soft Tip (not available oxygen cleaned)
- PM - Panel Mount

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