

NEEDLE VALVE

# Double ferrules needle valve

REF **EFC-41** ISSUED **05 Jun 2026**

## SPECIFICATIONS

|                |                                     |
|----------------|-------------------------------------|
| Size           | <b>1/8"-1"</b>                      |
| Pressure       | <b>1000 psi-10000 psi</b>           |
| End connection | <b>double ferrule compression</b>   |
| Temperature    | <b>-54°C to 649°C</b>               |
| Media          | <b>oil, gas, water, acid liquid</b> |

## ACTUATION

- manual handle

## APPROVALS & CERTIFICATIONS

- ISO9001:2015 (Quality management system)
- Material test certificate (Material)
- ISO 9001:2015 (GB/T19001-2016)
- Certificate valid March 28, 2023 to March 27, 2026

## APPLICATIONS

- Power stations
- Oil refining installations
- Chemical installations
- Instrument measurement pipelines
- Flame cutting equipment
- Pipeline flow control and shut-off



**MATERIALS**

|                |                                      |                |   |
|----------------|--------------------------------------|----------------|---|
| body           | <b>Stainless Steel, Carbon Steel</b> | bonnet gasket  | <b>PTFE, Reinforced PTFE, Fluoroelastomer, Graphite</b> |
| bonnet         | <b>Stainless Steel</b>               | packing seat   | <b>PTFE, Graphite</b>                                   |
| packing        | <b>PTFE, Graphite</b>                | packing gland  | <b>Stainless Steel, Carbon Steel</b>                    |
| stem           | <b>Stainless Steel</b>               | handle         | <b>Stainless Steel, Carbon Steel</b>                    |
| handle nut     | <b>Stainless Steel, Carbon Steel</b> | body (image 1) | <b>SS 304</b>   |
| body (image 2) | <b>SS 316</b>                        | body (image 4) | <b>SS 316</b>   |

**FEATURES**

- Dust-proof cap on top of stuffing box gland to protect stem thread from external impurities
- Stuffing filling positioned below thread to protect lubricating grease from being displaced
- Core and stem lapped joint with up-sealing function
- Vertical hard sealing between core and body, and between seat and body
- Non-rotational ball-shaped stem head option available
- Adjustable stem head option available
- Operating pressure up to 10000 psi (689 bar)
- Precise flow rate adjustment
- Compression (tube) end connections (ferrule-type)
- Handwheel operator (red cast iron) — image 1
- T-bar operator (stainless) — image 2
- Knurled knob operator (black plastic) — image 3
- T-bar operator (black plastic-tipped) — image 4
- Flow direction arrow marked on body
- Model J91W-160P visible on body (image 1): pressure class 160 bar
- Tube OD Ø10 mm, material 304 stainless (image 1)
- Tube OD Ø1/2 inch, material 316 stainless (image 2)
- Rated pressure 6000 PSI, material SS316 (image 4)
- Performance: Pressure rating: 160 bar (model J91W-160P, Ø10-304, image 1)
- Performance: Pressure rating: 6000 PSI (~414 bar) (SS316, image 4)

**OPTIONS & NOTES**

- MOQ: 20 pcs
- Sample available: Yes, sample is free
- Non-standard products can be made as per customer drawings and samples