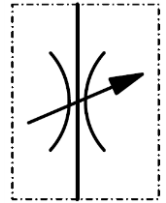


- Throttle valve size 1 ... size 7
- Line mounting valve
- Steel body
- up to 400 bar, 210 l/min



Description

Series EVNS units are pipe-mounting throttle valves with thread from G 1/8" to G 1 1/4".

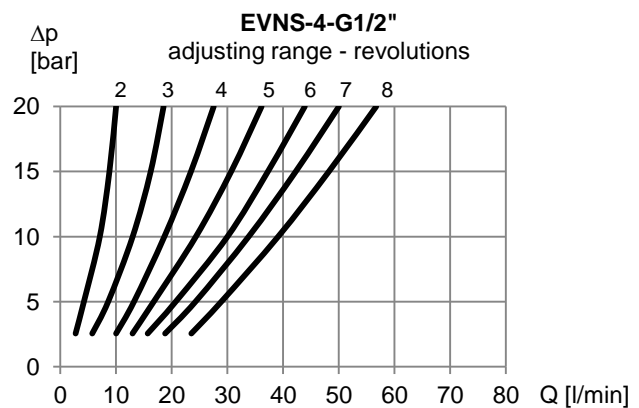
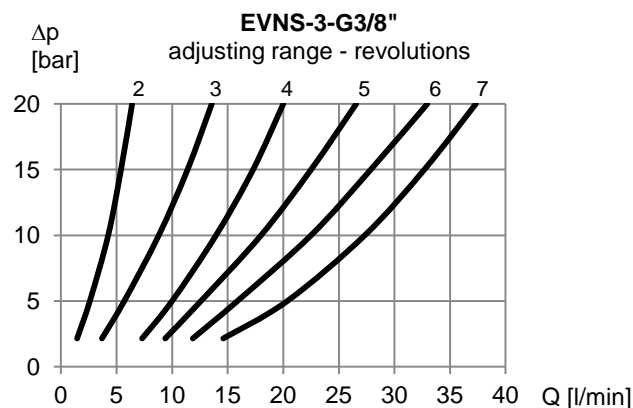
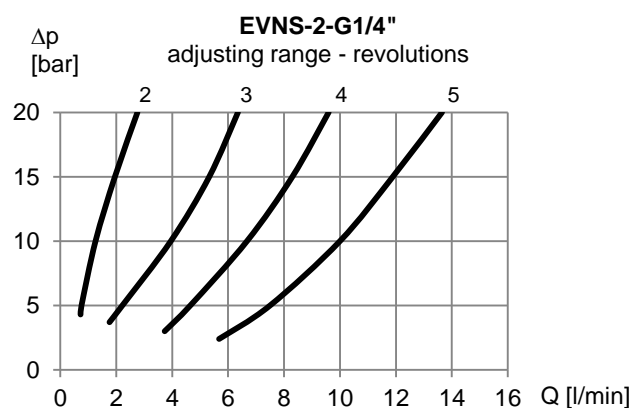
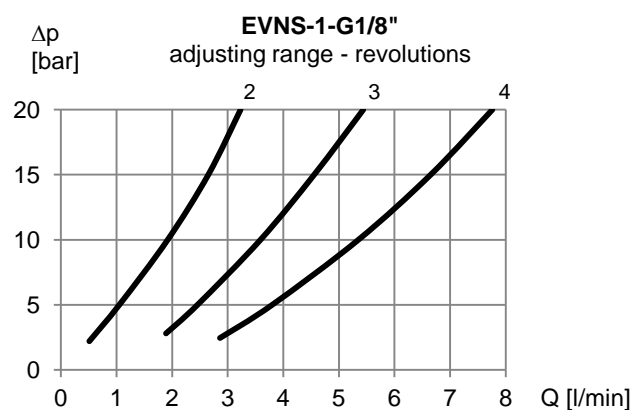
The throttling is made by an annular gap.

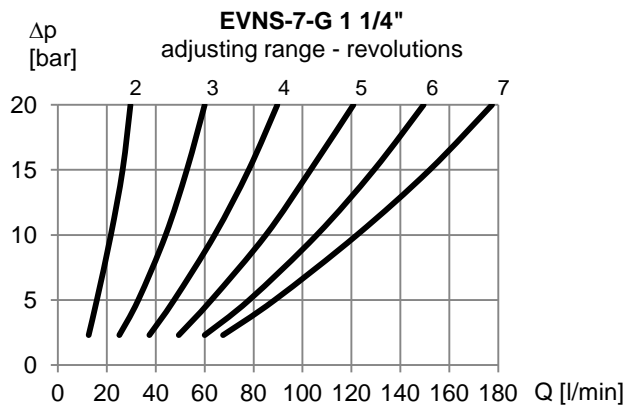
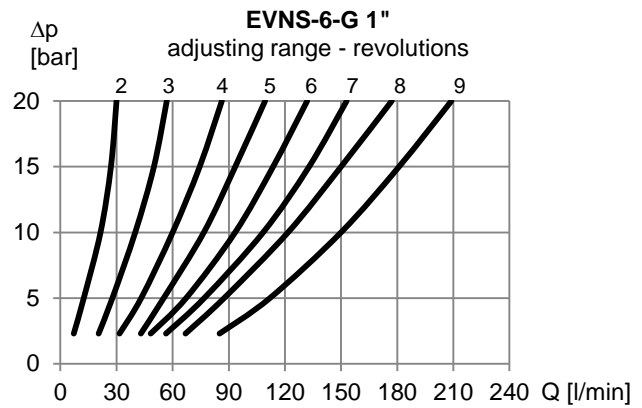
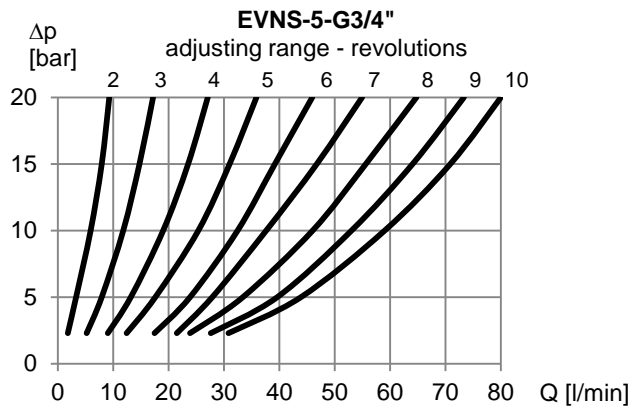
Technical Data

| General Specifications | EVNS |
|------------------------|--|
| Design: | annular gap |
| Mounting method: | pipe-mounting valve – or panel mounting (panel thickness max. 6mm) |
| Size: | G 1/8" ... G 1 1/4" (see table dimensions) |
| Mounting position: | any |

| Hydraulic Specifications | |
|--------------------------|--|
| Max. operating pressure: | size 1 ... size 5 400 bar size 6 and size 7 320 bar |
| Max. volume flow: | 210 l/min |
| Fluid: | mineral oils according DIN 51525 |
| Temperature range: | -20°C ... + 90°C |

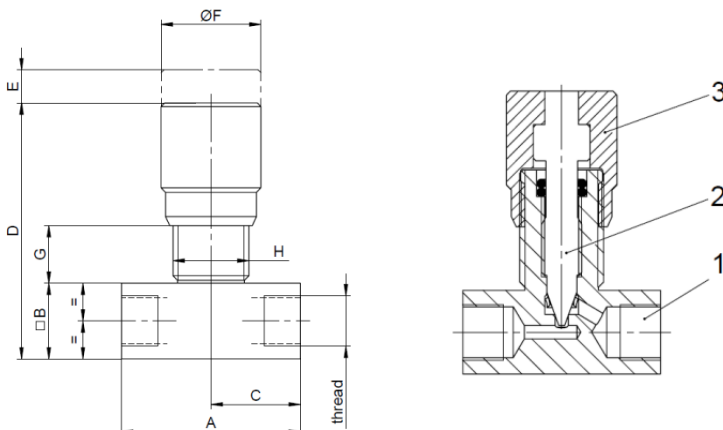
Characteristics





Pressure difference Δp at constant throttle position in relation to the volume flow Q
 Oil temperature $t_{oil} = 50^{\circ}\text{C}$
 Viscosity $\nu = 35 \text{ mm}^2/\text{s}$

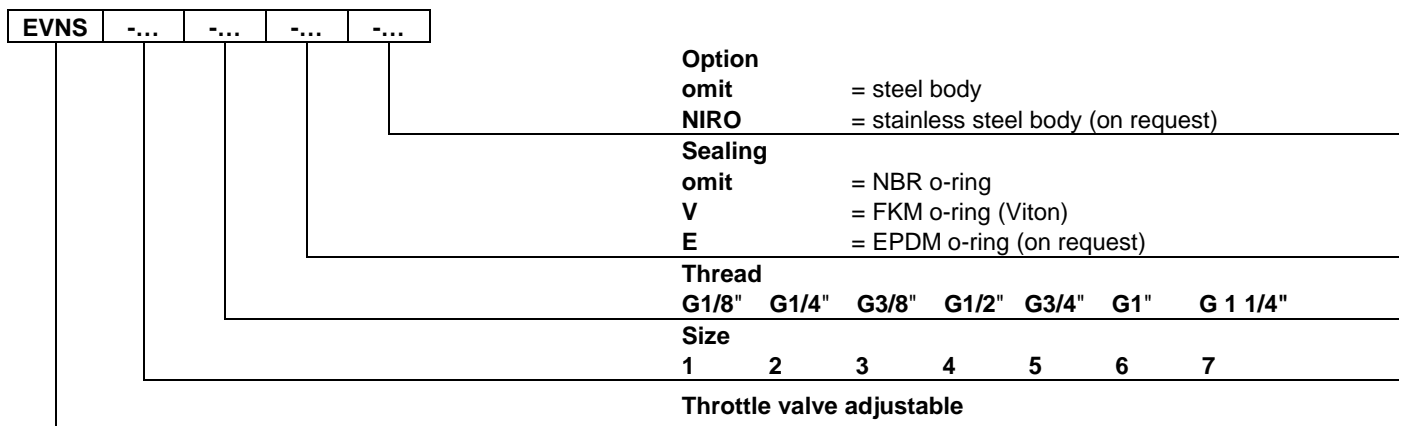
Dimensions



| Item | Qty. | Description | Material |
|------|------|----------------|----------------|
| 1 | 1 | valve body | steel blued |
| 2 | 1 | spindle | steel hardened |
| 3 | 1 | adjusting knob | aluminium |

| | Size | Thread | A | B | C | D | E | $\varnothing F$ | G | H | Weight kg |
|--------|-------|----------|-----|----|------|-------|----|-----------------|----|---------|--------------|
| EVNS-1 | NW 6 | G 1/8" | 38 | 16 | 19,0 | 60,5 | 5 | 21,5 | 15 | M17x1 | 0,11 |
| EVNS-2 | NW 8 | G 1/4" | 48 | 20 | 24,0 | 71,5 | 7 | 26,0 | 17 | M20x1 | 0,20 |
| EVNS-3 | NW 10 | G 3/8" | 59 | 25 | 29,5 | 84,5 | 9 | 33,0 | 19 | M25x1,5 | 0,38 |
| EVNS-4 | NW 12 | G 1/2" | 67 | 30 | 33,5 | 97,0 | 10 | 37,0 | 20 | M30x1,5 | 0,60 |
| EVNS-5 | NW 16 | G 3/4" | 84 | 40 | 42,0 | 121,0 | 13 | 46,0 | 25 | M40x1,5 | 1,30 |
| EVNS-6 | NW 20 | G 1" | 105 | 50 | 52,5 | 152,0 | 16 | 56,0 | 34 | M50x1,5 | 2,55 |
| EVNS-7 | NW 25 | G 1 1/4" | 120 | 55 | 60,0 | 157,0 | 16 | 56,0 | 34 | M50x1,5 | 3,00 |

Type code



Ordering example

- Throttle valve adjustable
- Size 4
- Thread G1/2"
- Steel body

or

- Throttle valve adjustable
- Size 2
- Thread G1/4"
- Sealing FKM
- Stainless steel body

Type description

EVNS-4-G1/2"

EVNS-2-G1/4"-V-NIRO

Application notes

The maximal operating pressure must not be exceeded and any pressure peaks must be taken into consideration.

Buyers bear the sole responsibility for ensuring that the selected products are suitable for their applications. Buyers normally establish this by undertaking qualification programs on test stands, or by evaluating the performance of prototype machines or system.