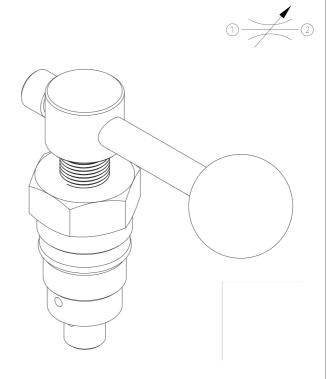
NEEDLE VALVE - 700BAR (NVK)



Poppet-Seat Type | Cartridge | 700 bar

Specification/ Technical Data

700 bar	
10 LPM	
1 to 2	
Poppet Seat Type	
Screw-in Cartridge	
Hand Lever	
Carbon Steel	
Mineral Oil	
+10 to 60°C	
ISO VG 46-100	
20/18 /15	
Any	
0.3 Kg	



Needle valve cartridge NVK is a compact, screw-in type valve designed for precisely controlling fluid flow in systems operating under extreme pressure conditions up to 700 bar. The valve construction ensures durability and leak-free operation even at high pressures. The fine control feature makes it ideal for controlling oil flow and thereby adjusting cylinder speed. These valves may also be used for manually decomposing or relieving hydraulic pressure in high-pressure systems like jacks, tensioning, crimping, etc. after completion of operation.

NVK valve is a poppet-in-seat type of valve, where the poppet lifts to allow oil flow through it. The adjustment increases or decreases the allowable area for oil flow, thereby throttling the flow through the valve. Flow adjustment is possible in direction 1 to 2, and when the valve is fully closed, the poppet blocks the oil path, making the valve zero leak. In direction 2 to 1, throttling is not possible, and the valve will be shut completely, making it zero leak.

The flow adjustment is through a standard lever supplied with the valve, and flow may be adjusted even at high pressures.

Model	Rated Flow	Max Pressure
NVK 700	10 LPM	700 bar

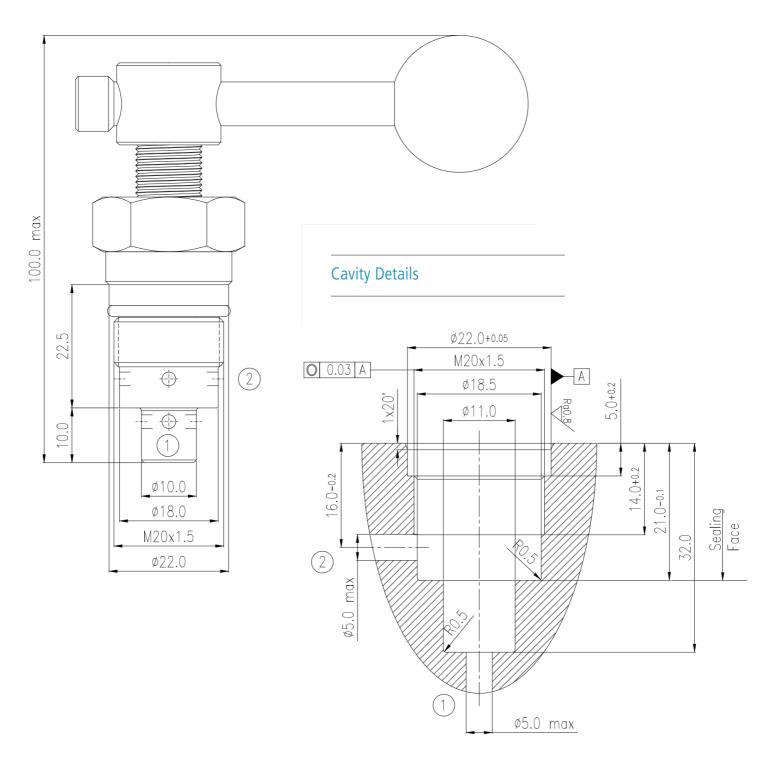
Rated flow considering ΔP 15bar Tested with Mineral Oil ISO VG46 at 50deg C

Ordering Information

Basic Code	Needle Valve	NV
Туре	Cartridge	K
Pr. Rating	700 bar	700
Adjustment	Hand Lever	-
Version		1x

www.fluidik.co Page 1 of 2

Valve Dimensions



All dimensions in mm

Spare List

SealKit	SSVNVK1x
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