General Description

Series 6N needle valves are ideal as speed controls on hydraulic and pneumatic systems where a reverse flow check is not needed. They provide excellent control and a reliable shut-off in a very small envelope.

Operation

A two-step needle allows fine adjustment at low flow by using the first three turns of the adjusting knob. The next three turns open the valve to full flow, and also provide standard throttling adjustments.

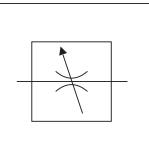
Features

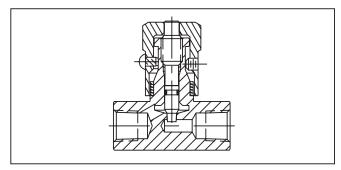
- Meets ISO 6149 standards.
- Hard metric dimensions.
- Reliable leak-free performance straight thread port with o-ring sealing.
- Global interchangeablility.

Specifications

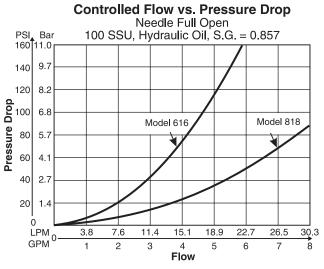
Maximum Operating Pressure	345 Bar (5000 PSI)						
Maximum Flow	M16 x 1.519 LPM(5 GPM)M18 x 1.530 LPM(8 GPM)M22 x 1.557 LPM(15 GPM)M27 x 2.095 LPM(25 GPM)						
Material	BodyASTM12L14Carbon SteelKnobASTM12L14Carbon SteelNeedleASTM416Stainless Steel						
Temperature Range of Seal Compound	-40°C to +121°C (-40°F to +250°F) Nitrile (Standard)						



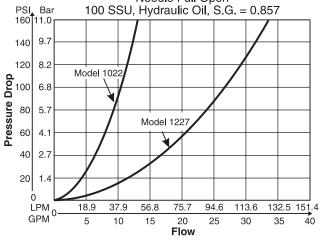




Performance Curves



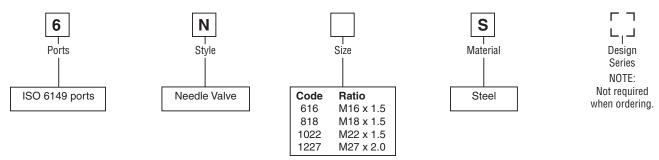
Controlled Flow vs. Pressure Drop Needle Full Open



3300-colorflow.indd, ddp



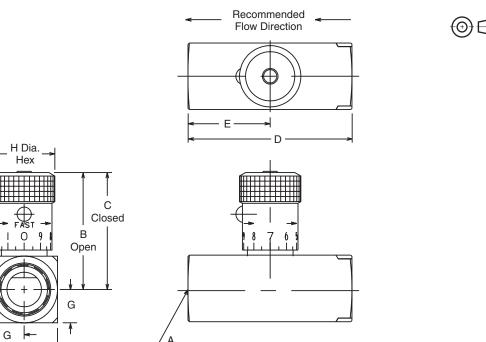
Ordering Information



Dimensions

Inch equivalents for millimeter dimensions are shown in (**)

- F Sq.



Model Number	Weight kg (lbs.)	А	В	с	D	E	F	G	Н
6N616	0.2 (0.5)	M16 x 1.5	47.8 (1.88)	42.7 (1.68)	60.5 (2.38)	30.2 (1.19)	25.4 (1.00)	12.7 (0.50)	20.6 ∅(0.81)
6N818	0.4 (0.9)	M18 x 1.5	56.9 (2.24)	51.1 (2.01)	76.2 (3.00)	38.1 (1.50)	28.4 (1.12)	14.2 (0.56)	25.4 ∅(1.00)
6N1022	0.6 (1.3)	M22 x 1.5	68.6 (2.70)	61.5 (2.42)	88.9 (3.50)	44.5 (1.75)	31.8 (1.25)	15.7 (0.62)	30.2 ∅(1.19)
6N1227	1.0 (2.2)	M27 x 2.0	85.9 (3.38)	71.4 (2.81)	101.6 (4.00)	50.8 (2.00)	38.1 (1.50)	19.1 (0.75)	35.1 ∅(1.38)

ΖA

(Both Ends)

3300-colorflow.indd, ddp

