

NV2M NEEDLE VALVES

Bidirectional Metered Flow (no check) ~ 1/8" to 1"
Brass barstock body for working pressures to 2,000 PSI



Buyers of DMIC's previous **NV2M** model will be impressed with the quality, pricing, and deliveries of the updated design! Dual taper needle provides fine metering at low flows and rapid response at higher flows. At DMIC, cost reduction doesn't mean cutting quality.

- DMIC's **ChromaFlow** color-coded design facilitates initial calibration, system documentation, and restoration of correct settings if required
- Brass body, designed for **2,000 PSI maximum operating pressure**
- Set Screw standard to prevent tampering
- For OEM production quantities, **optional "fine" needle profile** available
- **Quality construction**, premium ergonomics, and superb aesthetics show your system is built to a "quality standard", not a "price" standard

NV2M	Nominal Size	Port Thread	Performance Data				Dimensions (inches)				
			Working Pressure	Flow GPM ¹	Orifice Area (sq.in., mm ²)	Effective C _v	A	B	C	D	Lbs. kg
NV2M-0125N	1/8"	1/8" NPT	2,000 PSI 138 Bar	3 GPM 11 l/m	0.0102 6,6	0.230	1.54	1.50	0.62	0.75	0.3
NV2M-0125B		1/8" BSPP									
NV2M-0250N	1/4"	1/4" NPT	2,000 PSI 138 Bar	5 GPM 19 l/m	0.0194 12,5	0.433	1.79	2.00	0.81	0.81	0.5
NV2M-0250B		1/4" BSPP									
NV2M-0250S		#4 SAE					1.63	2.00	0.81	0.75	0.5
NV2M-0375N	3/8"	3/8" NPT	2,000 PSI 138 Bar	8 GPM 30 l/m	0.0344 22,2	0.787	2.18	2.50	1.00	1.00	0.9
NV2M-0375B		3/8" BSPP									
NV2M-0375S		#6 SAE					1.88	2.38	1.00	0.81	0.7
NV2M-0375IU		16mm ISO6149									
NV2M-0500N	1/2"	1/2" NPT	2,000 PSI 138 Bar	15 GPM 57 l/m	0.0427 27,6	0.976	2.70	2.62	1.25	1.19	1.4
NV2M-0500B		1/2" BSPP									
NV2M-0500S		#8 SAE					2.24	3.00	1.12	1.00	1.1
NV2M-0500IU		18mm ISO6149									
NV2M-0625S	5/8"	#10 SAE	2,000 PSI 138 Bar	15 GPM 95 l/m	0.0427 27,6	0.976	2.70	3.50	1.25	1.19	1.3
NV2M-0625IU		22mm ISO6149									
NV2M-0750N	3/4"	3/4" NPT	2,000 PSI 138 Bar	25 GPM 95 l/m	0.1080 69,7	2.470	3.38	3.25	1.50	1.38	2.3
NV2M-0750B		3/4" BSPP									
NV2M-0750IU		27mm ISO6149					3.38	4.00	1.50	1.38	2.3
NV2M-1000N	1"	1" NPT	5,000 PSI 34.7 Bar	40 GPM 151 l/m	0.2300 148,4	5.250	4.87	4.25	1.75	1.88*	4.7
NV2M-1000B		1" BSPP									
NV2M-1000S		#16 SAE			0.3070 198,7	7.000	5.15	4.25	2.25	1.88*	4.7
NV2M-1000IU		33mm ISO6149									

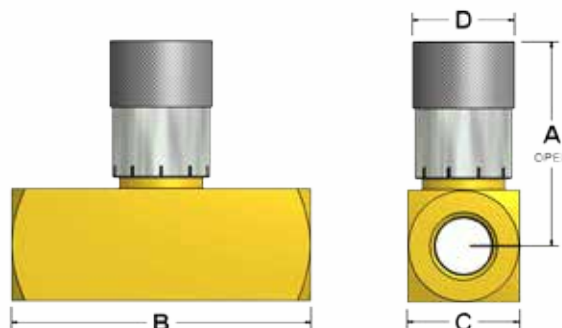
NOTES: (1) Typical flows quoted in U.S. GPM, using 100 SUS Petroleum Based Fluid at 100°
 (*) Means HEX



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NV2M	Physical Parameters
VALVE BODY	Brass Barstock
NEEDLE	416 S/S
SEALING	Buna-N Standard
WORKING PSI ($\frac{1}{8}$ "- $\frac{3}{4}$ ")	2000 PSI (140 Bar)
WORKING PSI (1")	500 PSI (34.5 Bar)
SAFETY FACTOR	Minimum 3:1
RETURN FLOW CHECK	Not Present
TEMP RANGE	-40°F/250°F (-40°C/121°C)

For complete ordering information and option availability please see page 28.

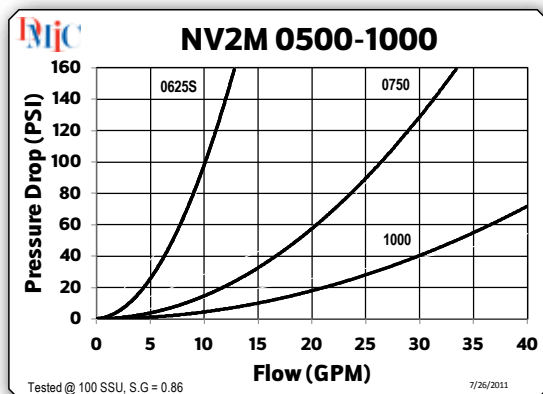
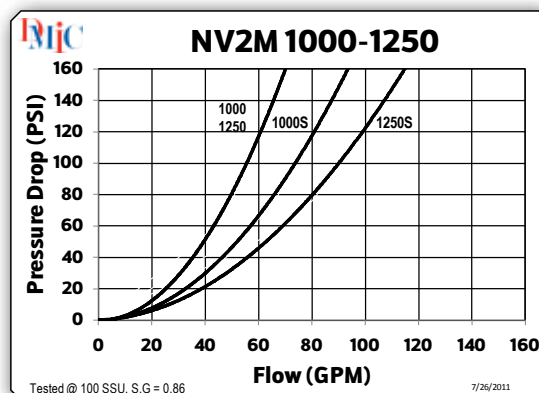
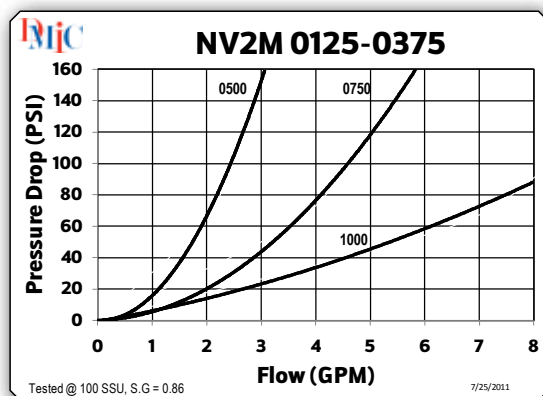


NV2 M - 0375 S

Model	
M	Brass, to 2000 PSI
H	Steel, to 5000 PSI

Nominal Size
Expressed in 1/1000" units
Example: 0375= $\frac{3}{8}$ ", $1\frac{1}{2}$ =1500

Inlet Port Thread	
Standard US/Canada	
N	NPT
S	SAE ORB
Metric Standard	
B	BSPP
Optional Threads (Call DMIC)	
B	BSPP
T	BSPT
IU	ISO6149



This valve series is factory sealed and disassembly will destroy the valve and void the warranty. Due to our policy of continual product improvement, the specifications in this catalog may change without notice. When designing by spec, please request a certified print.

