

# NV2H NEEDLE VALVES

**Bidirectional Metered Flow (no check) ~ 1/8" to 1 1/4"**  
**Carbon Steel body for working pressures to 5,000 PSI**



The DMIC **NV2H** continues our tradition of furnishing superlative quality needle valves for high pressure service, while reducing the Buyer's purchase cost relative to the old model. Made in U.S.A. for improved deliveries, for both American and metric market customers.

- DMIC's **ChromaFlow** color-coded design facilitates initial calibration, system documentation, and restoration of correct settings if required
- **Up to 5,000 PSI maximum operating pressure**
- Set Screw standard to prevent tampering
- For OEM production quantities, optional "fine" needle profile available
- Viton and EPR sealing optional, please call DMIC

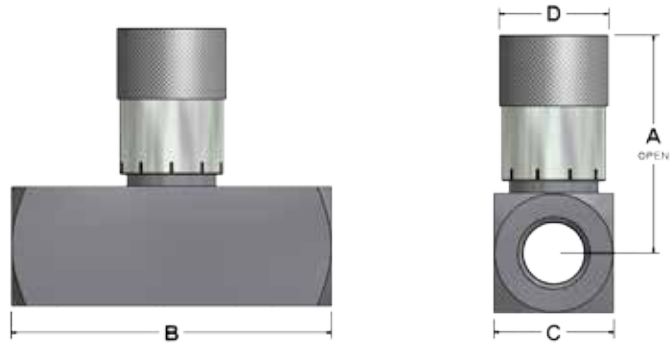
NV2H	Nominal Size	Port Thread	Performance Data				Dimensions (inches)				
			Flow GPM <sup>1</sup>	Orifice Area	Effective C <sub>v</sub>	Working Pressure	A	B	C	D	Lbs.
NV2H-0125N	1/8"	1/8" NPT	3 GPM	0.0102	0.230	5,000 PSI	1.54	1.50	0.62	0.75	0.3
NV2H-0125B		1/8" BSPP									
NV2H-0250N	1/4"	1/4" NPT	5 GPM	0.0194	0.433	5,000 PSI	1.79	2.00	0.81	0.81	0.5
NV2H-0250B		1/4" BSPP									
NV2H-0250S		#4 SAE									
NV2H-0375N	3/8"	3/8" NPT	8 GPM	0.0344	0.787	5,000 PSI	2.18	2.50	1.00	1.00	0.9
NV2H-0375B		3/8" BSPP									
NV2H-0375S		#6 SAE									
NV2H-0500N	1/2"	1/2" NPT	15 GPM	0.0427	0.976	5,000 PSI	2.70	2.62	1.25	1.19	1.4
NV2H-0500B		1/2" BSPP									
NV2H-0500S		#8 SAE	8 GPM								
NV2H-0625S	5/8"	#10 SAE	15 GPM	0.0427	0.976	5,000 PSI	2.70	3.50	1.25	1.19	1.3
NV2H-0750N	3/4"	3/4" NPT	25 GPM	0.1080	2.470	5,000 PSI	3.38	3.25	1.50	1.38	2.3
NV2H-0750B		3/4" BSPP									
NV2H-0750S		#12 SAE									
NV2H-1000N	1"	1" NPT	40 GPM	0.2300	5.250	3,000 PSI	4.87	4.25	1.75	1.88*	4.7
NV2H-1000B		1" BSPP		0.3070	7.000						
NV2H-1000S		#16 SAE									
NV2H-1250N	1 1/4"	1 1/4" NPT	70 GPM	0.2300	5.250	3,000 PSI	5.12	4.25	2.25	1.88*	6.4
NV2H-1250B		1 1/4" BSPP		0.3710	8.470						
NV2H-1250S		#20 SAE	5.52			4.50	2.75	1.88*	6.4		

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



# NV2H NEEDLE VALVES

NV2H	Physical Parameters
VALVE BODY	Carbon Steel
Needle	416 S/S
SEALING	Buna-N Standard
WORKING PSI (1/8"-5/8")	5000 PSI (345 Bar)
WORKING PSI (3/4"-2")	3000 PSI (207 Bar)
SAFETY FACTOR	Minimum 3:1
RETURN FLOW CHECK	Not Present
TEMP RANGE	-40°F/250°F (-40°C/121°C)

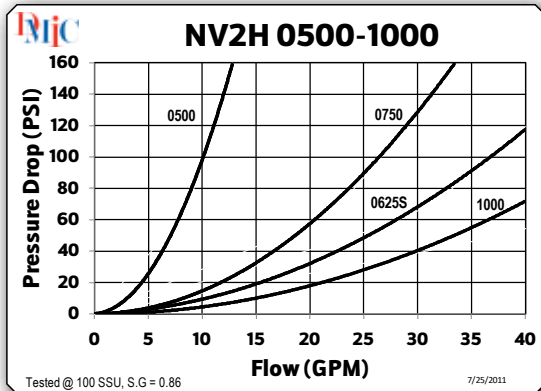
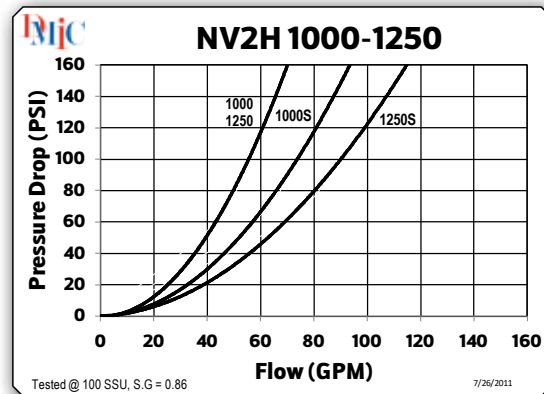
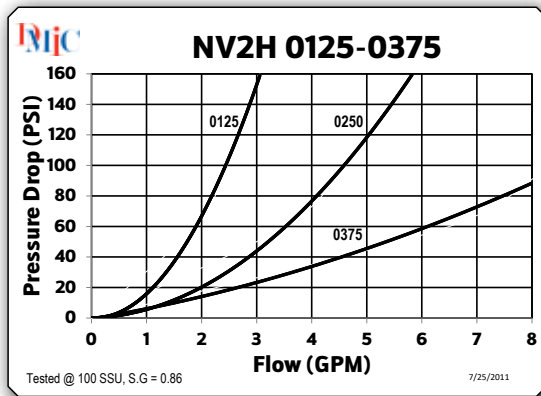


**NV2 H - 0625 S**

**Model**  
H Steel, to 5000 PSI

**Nominal Size**  
Expressed in 1/1000" units  
Example: 0375=3/8", 1 1/2=1500

Inlet Port Thread	
Standard US/Canada	
N	NPT
S	SAE ORB
Metric Standard	
B	BSPP
Optional Threads (Call DMIC)	
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.***

