

# NVHH NEEDLE VALVES

**Carbon/Stainless Steel Bidirectional flow ~ ¼" to 2+" for working pressures to 10,000 PSI**



DMIC's newly designed **NVHH** series brings full 10,000 PSI operating pressure to the masses.

- Offered from ¼" to 2+" port sizes
- Standard Panel mounting holes
- Fully reparable design
- Available with alternate needle pitches and profiles
- Fast delivery of Viton and EPR sealing

NVHH	Nominal Size	Port Thread	Performance Data			Dimensions (inches)								Stainless Steel		
			Flow GPM <sup>1</sup>	Full Open		A	B	C	D	E	F	G	H	J (UNF)	F	B
				Orifice Area (sq.in.)	Effective C <sub>v</sub>											
NVHH-0250N	¼"	¼" NPTF	1.20 GPM	0.012	0.280	2.85	1.38	2.00	2.22	1.18	1.25	0.75	0.81	12	1.29	1.50
NVHH-0250B		¼" BSPP														
NVHH-0250S		#4 SAE														
NVHH-0375N	¾"	¾" NPTF	2.50 GPM	0.028	0.630	2.87	1.50	1.25	2.44	1.81	1.50	0.88	0.88	¼	1.42	1.63
NVHH-0375B		¾" BSPP														
NVHH-0375S		#6 SAE														
NVHH-0500N	½"	½" NPTF	4.50 GPM	0.049	1.120	3.03	1.75	1.41	2.69	1.18	1.75	1.00	0.88	¼	1.62	1.88
NVHH-0500B		½" BSPP														
NVHH-0500S		#8 SAE														
NVHH-0750N	¾"	¾" NPTF	10 GPM	0.110	2.520	3.75	1.75	1.81	3.50	1.63	2.19	1.00	1.25	¼		
NVHH-0750B		¾" BSPP														
NVHH-0750S		#12 SAE														
NVHH-1000N	1"	1" NPTF	18 GPM	0.196	4.481	3.91	2.00	2.03	3.75	1.63	2.50	1.25	1.25	¾		
NVHH-1000B		1" BSPP														
NVHH-1000S		#16 SAE														
NVHH-1250N	1¼"	1¼" NPTF	28 GPM	0.307	7.001	4.51	2.75	2.50	4.50	1.63	3.25	1.50	1.50	¾		
NVHH-1250B		1¼" BSPP														
NVHH-1250S		#20 SAE														
NVHH-1500N	1½"	1½" NPTF	40 GPM	0.442	10.082	6.35	3.25	2.75	5.00	3.00	4.00	2.00	2.00	½		
NVHH-1500B		1½" BSPP														
NVHH-1500S		#24 SAE														
NVHH-2000N	2"	2" NPTF	70 GPM	0.785	17.92	6.84	4.00	3.25	5.69	3.00	4.75	2.25	2.00	½		
NVHH-2000B		2" BSPP														
NVHH-2000S		#32 SAE														

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



# NVHH NEEDLE VALVES

**NVHH - 0500 S - 2 2 4 2**

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

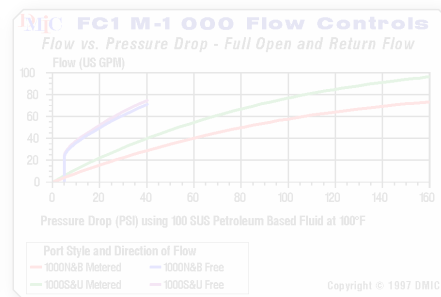
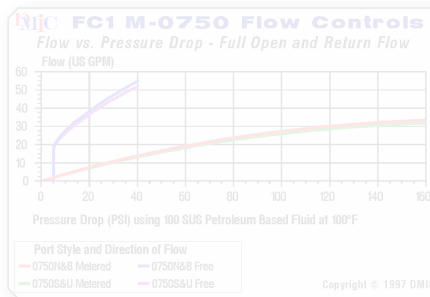
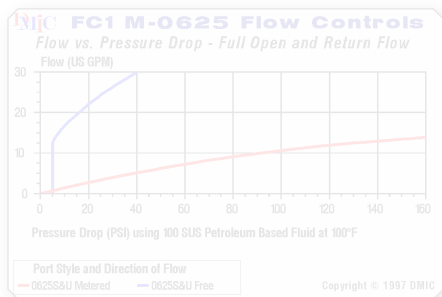
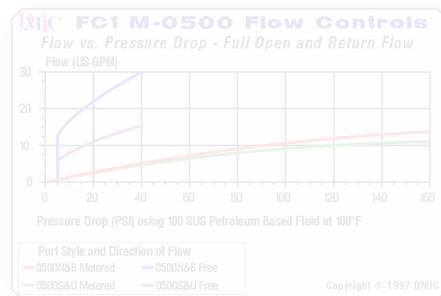
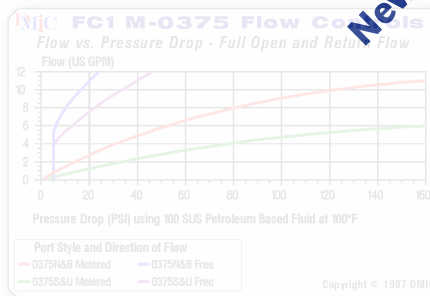
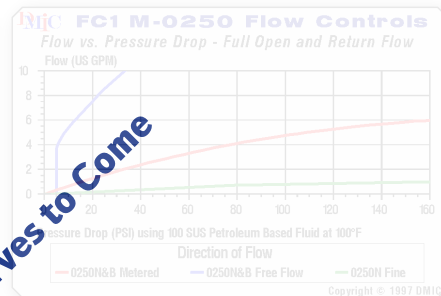
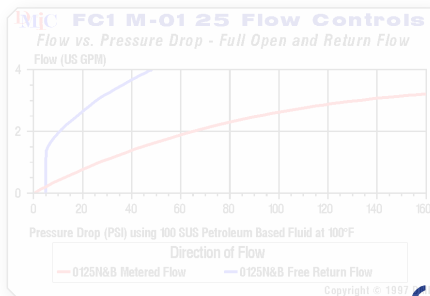
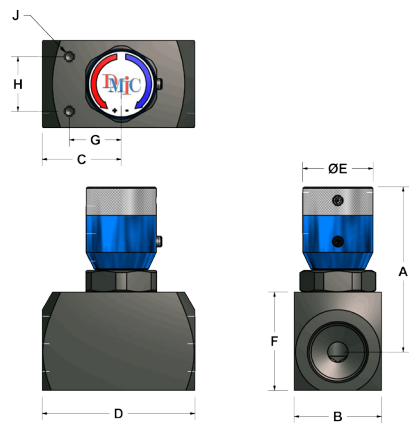
Inlet Port Thread	
Standard US/Canada	
N	NPT
S	SAE ORB
Metric Standard	
B	BSPP
Optional Threads (Call DMIC)	
T	BSPT

Body Material	
1	Carbon Steel
2	Stainless Steel

Poppet & Spring Material	
Code	Description
1	Carbon Steel
2	Stainless Steel

Knob Material	
Code	Description
4	Aluminum (standard)
2	Stainless Steel*
* Stainless Steel knob not color coded	

O-Ring Seals	
Code	Description
1	Buna-N
2	EPR
3	Viton
4	Teflon
5	Chemraz



New Curves to Come

**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.**

