

PANAMA

NEEDLE VALVE

H. P. Series



Catalogue No. NV-HP-1
June 2003.

H. P. Series Needle Valves

PANAM "HP" Series Needle Valves are specially designed and ruggedly manufactured for use in corrosive & hazardous environment. These valves are used in Process control, instrumentation and flow control application. These Valves are precision machined, designer durability and maximum efficiency to provide high quality and low cost alternatives in fluid and gaseous control systems of different applications, to meet the exacting standards of our growing and demanding customers.

PANAM "HP" Series valves are available in High Grade Stainless Steel, Carbon steel, Brass and Monel materials in variety of end connections includes Male / Female threaded NPT, BSP, BSPT, ISO, DIN and JIS tapered pipe ends. Valves can be supplied to meet current revision of NACE MR-01-75 (Sour Gas Service)

Features-Benefits

One piece body construction no welding - For high strength and full safety.

Vee tip design - Controls accurate flow.

Stem thread Rolled & Hard Plated - Provides additional strength & maximum service life.

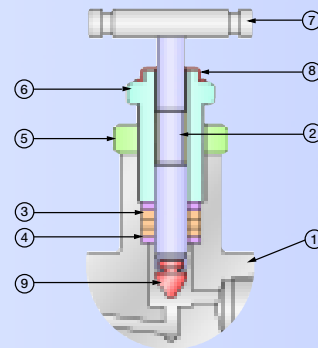
Mirror Finish Stem, burnished to a 16RMS - Extends packing life and smooth stem operation

Stainless Steel Handle - For proper actuation.

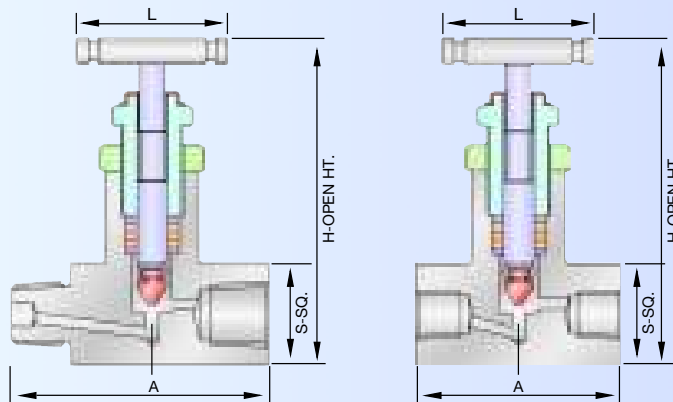
Dust Cap - Prevents contaminants and lubricant washout of bonnet assembly.

Material of Construction

Sr No.	Part	Qty.	Material
1	Body	1	A479-316
2	Stem	1	A479-316
3	Packing Washer	1	A479-316
4	Gland Packing	1	Glass Filled PTFE
5	Lock Nut	1	A479-316
6	Gland Retainer	1	A479-316
7	Handle	1	Stainless Steel
8	Dust Cap	1	Plastic
9	Vee Tip	1	17.4 PH



Dimensions



Size	1/4"	3/8"	1/2"	3/4"
A(MF)	60	60	82	87
A(FF)	55	55	75	80
S-SQ	25	28	34	38
H	86	86	98	98
L	60	60	70	70

Pressure/Temperature Ratings:-

Orifice	Cv	Pressure Rating	Temperature Rating
5mm.	0.22	10000 PSI (700bar)	-65° to 200° F (-50° to 93° C)

Standard Testings

Every **PANAM** HP. Series Needle Valve is 100% tested with nitrogen gas at 1200psig (80 Bar) for leakage at seal & seat. Hydrostatic test performed with pure water at 1½ times of the working pressure. Other optional tests like helium and temperature are available upon request.



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