

Игольчатые клапаны NV3

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
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Ярославль (4852)69-52-93

Features

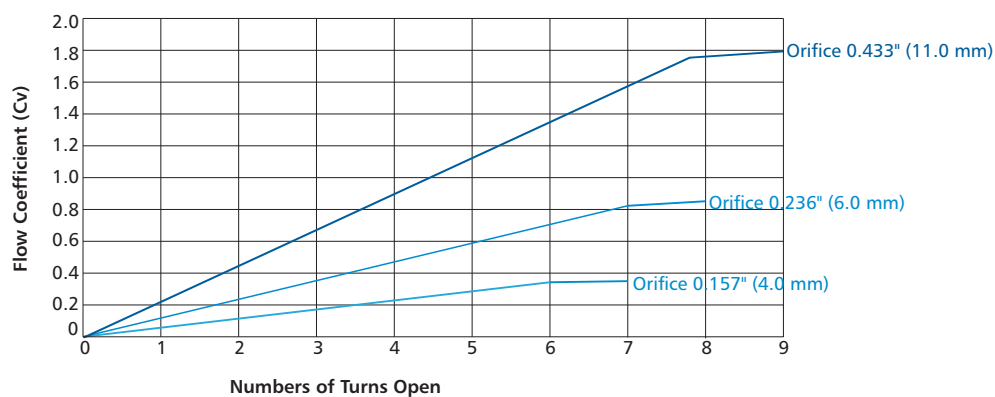
- ❖ Maximum working pressure up to 6000 psig (413 bar)
- ❖ Working temperature from -65°F to 1200°F (-53°C to 648°C)
- ❖ Union-bonnet construction for safety
- ❖ Straight and angle patterns
- ❖ Upper stem and lower stem design, Stem threads above packing protected from system media
- ❖ Panel mounting available
- ❖ optional handle colors available

Pressure vs. Temperature

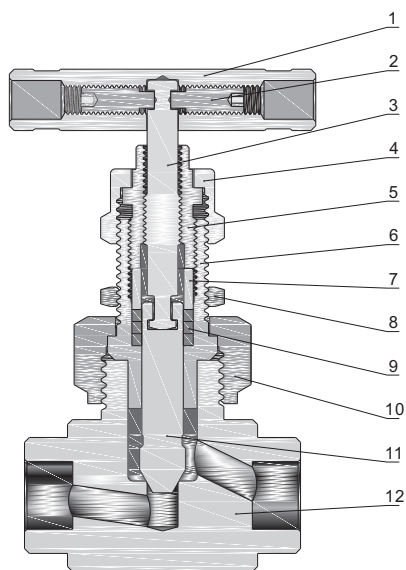
ASME Class	2500						N/A
Material Group	2. 2	2. 2	2. 8	3. 4	3. 1	3. 5	N/A
Material Name	316 S.S.	316H S.S.	F53 S.S.	Alloy 400	Alloy 20	Alloy 600	Alloy C-276
Temperature, °F (°C)	Working Pressure,psig (bar)						
-65 (-53) to 100 (37)	6000 (413)	6000 (413)	6000 (413)	5000 (344)	5000 (344)	6000 (413)	6000 (413)
200 (93)	5160 (355)	5160 (355)	5160 (355)	4400 (303)	4640 (319)	5600 (385)	6000 (413)
250 (121)	4910 (338)	4910 (338)	5350 (368)	4260 (293)	4500 (310)	5460 (376)	6000 (413)
300 (148)	4660 (321)	4660 (321)	5540 (382)	4120 (283)	4360 (300)	5320 (366)	6000 (413)
350 (176)	4470 (307)	4470 (307)	5330 (367)	4050 (279)	4185 (288)	5220 (359)	5975 (411)
400 (204)	4280 (294)	4280 (294)	5120 (353)	3980 (274)	4010 (276)	5120 (352)	5880 (405)
450 (232)	4130 (284)	4130 (284)	4960 (342)	3970 (273)	3955 (272)	5030 (346)	5710 (393)
500 (260)	3980 (274)	3980 (274)	4800 (331)	3960 (272)	3900 (268)	4940 (340)	5540 (381)
600 (315)	3760 (259)	3760 (259)	4640 (320)	—	3790 (261)	4780 (329)	5040 (347)
650 (343)	3700 (254)	3700 (254)	4580 (315)	—	3750 (258)	4700 (323)	4905 (337)
700 (371)	3600 (248)	3600 (248)	4520 (311)	—	3710 (255)	4640 (319)	4730 (325)
750 (398)	3520 (242)	3520 (242)	4430 (305)	—	3665 (252)	4430 (305)	4430 (305)
800 (426)	3460 (238)	3460 (238)	—	—	3600 (248)	4230 (291)	4230 (291)
850 (454)	3380 (232)	3380 (232)	—	—	—	4060 (279)	4060 (279)
900 (482)	3280 (225)	3280 (225)	—	—	—	3745 (258)	3745 (258)
950 (510)	3220 (221)	3220 (221)	—	—	—	2725 (187)	3220 (221)
1000 (537)	3030 (208)	3030 (208)	—	—	—	1800 (124)	3030 (208)
1050 (565)	3000 (206)	3000 (206)	—	—	—	1155 (79.5)	3000 (206)
1100 (593)	2685 (184)	2685 (184)	—	—	—	770 (53.0)	2685 (184)
1150 (621)	2285 (157)	2285 (157)	—	—	—	565 (38.9)	2285 (157)
1200 (648)	1715 (118)	1715 (118)	—	—	—	515 (35.4)	1545 (106)

Flow Data at 100°F (37°C)

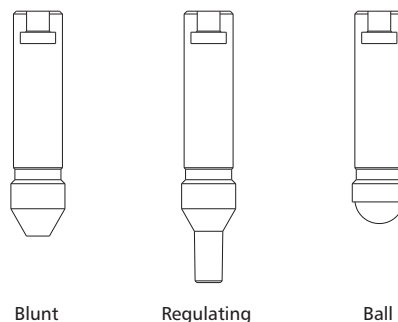
Regulating Stem



Standard Materials of Construction



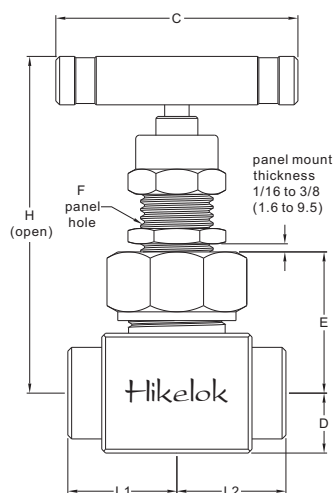
Stem Type



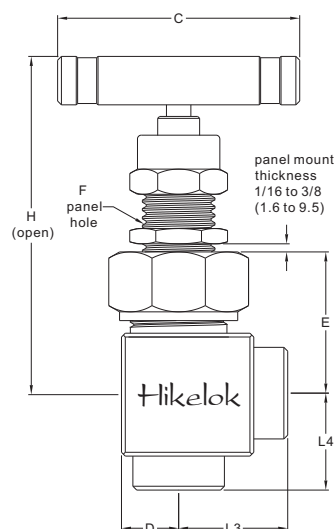
Component		Material Grade/ASTM Specification			
		316 S.S.	Alloy 400	Titanium	Alloy C-276
1	Handle	Anodized aluminum or stainless steel			
2	Set Screw	Nickel cadmium-plated steel			
3	Upper Stem	316 S.S./A276			
4	Nut	316 S.S./A276			
5	Packing Bolt	316 S.S./A276			
6	Bonnet	316 S.S./A479	Alloy R-405/B164	Titanium Gr 4/B348	Alloy C-276/B574
7	Gland	316 S.S./A276	Alloy R-405/B164	Titanium Gr 4/B348	Alloy C-276/B574
8	Nut	316 S.S./B783			
9	Packing	PTFE or graphite			
10	Nut	316 S.S./A276			
11	Lower Stem	Chrome-plated 316 S.S./A276	Alloy R-405/B164	Titanium Gr 4/B348	Alloy C-276/B574
12	Body	316 S.S./A182	Alloy 400/B164, B127, B564	Titanium Gr 4/B348 or titanium Gr 4/B381	Alloy C-276/B564

Dimensions

Straight Pattern



Angle Pattern



Basic Ordering Number	Connection Type and Size	Orifice in. (mm)	Cv	Dimension, in. (mm)													
				L1	L2	L3	L4	C	D	E	F	H					
NV3-FNPT2-04-	1/8 Female NPT	0.157 (4.0)	0.35	1.00 (25.4)	1.00 (25.4)	0.89 (22.6)	1.00 (25.4)	1.75 (44.5)	0.39 (9.9)	1.09 (27.7)	19/32 (15.1)	3.04 (77.2)					
NV3-FNPT4-04-	1/4 Female NPT			1.03 (26.2)	1.03 (26.2)												
NV3-NPT4-FNPT4-04-	1/4 Male NPT			1.00 (25.4)	1.03 (26.2)												
NV3-NPT4-04-	1/4 Male NPT			1.00 (25.4)	1.00 (25.4)	1.00 (25.4)											
NV3-NPT6-04-	3/8 Male NPT			1.03 (26.2)	1.03 (26.2)	0.89 (22.6)											
NV3-FBP4-04-	1/4 Female BSPP			1.00 (25.4)	1.22 (30.9)	1.16 (29.5)	1.48 (37.6)										
NV3-NPT4-F4-04-	1/4 Male NPT			1.03 (26.2)	1.22 (30.9)												
NV3-FNPT4-F4-04-	1/4 Female NPT			1.03 (26.2)	1.22 (30.9)												
NV3-F4-04-	1/4" Hikelok			1.22 (30.9)	1.22 (30.9)	0.88 (22.4)	1.19 (30.2)										
NV3-M6-04-	6 mm Hikelok			0.91 (23.1)	0.91 (23.1)												
NV3-M8-04-	8 mm Hikelok																
NV3-FSW4-04-	1/4" FSW																
NV3-FNPT4-06-	1/4 Female NPT	0.236 (6.0)	0.8	1.13 (28.6)	1.13 (28.6)	1.0 (25.4)	1.13 (28.6)	2.50 (63.5)	0.50 (12.7)	1.34 (34.0)	25/32 (19.8)	3.70 (94)					
NV3-FNPT6-06-	3/8 Female NPT					1.06 (26.9)											
NV3-NPT6-06-	3/8 Male NPT				1.50 (38.1)	1.50 (38.1)							1.25 (31.8)	1.50 (38.1)			
NV3-NPT8-06-	1/2 Male NPT			1.41 (35.9)	1.41 (35.9)	1.29 (32.8)	1.66 (42.2)										
NV3-F6-06-	3/8" Hikelok			1.52 (38.6)	1.52 (38.6)	1.40 (35.6)	1.65 (41.9)										
NV3-F8-06-	1/2" Hikelok			1.42 (36.1)	1.42 (36.1)	1.30 (33.0)	1.55 (39.4)										
NV3-M10-06-	10 mm Hikelok																

Basic Ordering Number	Connection Type and Size	Orifice in. (mm)	Cv	Dimension, in. (mm)								
				L1	L2	L3	L4	C	D	E	F	H
NV3-M12-06-	12 mm Hikelok	0.236 (6.0)	0.8	1.52 (38.6)	1.52 (38.6)	1.40 (35.6)	1.65 (41.9)	2.50 (63.5)	0.50 (12.7)	1.34 (34.0)	25/32 (19.8)	3.70 (94)
NV3-M14-06-	14 mm Hikelok											
NV3-M16-06-	16 mm Hikelok											
NV3-FSW6-06-	3/8" FSW											
NV3-FSW8-06-	1/2" FSW			1.13 (28.6)	1.13 (28.6)	1.00 (25.4)	1.13 (28.6)					
NV3-MSW12-06-	12 mm MSW											
NV3-MSW14-06-	14 mm MSW											
NV3-MSW16-06-	16 mm MSW											
NV3-MBW14-06-	14 mm MBW			1.50 (38.1)	1.50 (38.1)	1.25 (31.8)	1.50 (38.1)					
NV3-MBW16-06-	16 mm MBW			2.92 (74.1)	2.92 (74.1)	2.55 (64.7)	2.92 (74.1)					
NV3-UGM14-06-	14 mm UGM			1.50 (38.1)	1.50 (38.1)	1.13 (28.6)	1.50 (38.1)					
NV3-MS20-06-	M20 x 1.5 Male ISO											
NV3-MS22-06-	M22 x 1.5 Male ISO											
NV3-FNPT8-11-	1/2 Female NPT	0.433 (11.0)	1.8	1.56 (39.6)	1.56 (39.6)	1.31 (33.3)	1.56 (39.6)	3.50 (88.9)	0.78 (19.8)	1.91 (48.5)	11/32 (26.2)	4.85 (123)
NV3-FNPT12-11-	3/4 Female NPT			1.63 (41.3)	1.63 (41.3)							
NV3-FNPT16-11-	1 Female NPT			1.81 (46.0)	1.81 (46.0)							
NV3-NPT12-11-	3/4 Male NPT			1.63 (41.3)	1.63 (41.3)							
NV3-F8-11-	1/2" Hikelok											
NV3-F12-11-	3/4" Hikelok											
NV3-M14-11-	14 mm Hikelok			1.97 (50.0)	1.97 (50.0)	1.68 (42.7)	2.08 (52.8)					
NV3-M16-11-	16 mm Hikelok											
NV3-M18-11-	18 mm Hikelok											
NV3-M20-11-	20 mm Hikelok											
NV3-MSW14-11-	14 mm MSW											
NV3-MSW16-11-	16 mm MSW											
NV3-FSW8-11-	1/2" FSW			1.56 (39.7)	1.56 (39.7)	1.31 (33.3)	1.69 (42.9)					
NV3-FSW12-11-	3/4" FSW											
NV3-MBW14-11-	14 mm MBW											
NV3-MBW16-11-	16 mm MBW											
NV3-UGM14-11-	14 mm UGM			2.98 (75.7)	2.98 (75.7)							
NV3-MS27-11-	M27 x 2 Male ISO			1.56 (39.7)	1.56 (39.7)							

❖ If working pressure up to 10,000 psi, please refer to NV31 series.

How to Order

NV3— FNPT8 — F8 — S06S — GY — LA — 316

Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Seat Material	Orifice Size	Tip Material	Tip Type	Packing Material	Panel Mounting	Handle	Flow Pattern	Body Material
NV3	FNPT Female NPT	2 1/8 in.	Same as inlet type and inlet size	If outlet and inlet are the same, eliminate the outlet designator	Same as Body	0.157 in. (4.0 mm)	Same as Body	Blunt	PTFE	No	Black Aluminum Bar	Straight	316 316 S.S.
	NPT Male NPT	4 1/4 in.			S Stellite	0.236 in. (6.0 mm)	S Stellite	R Regulating	G Graphite	Y Yes	Red Aluminum Bar	A Angle	316L 316L S.S.
	FBT Female BSPT	3/8 in. or 6 mm									R		304 304 S.S.
	MBT Male BSPT	1/2 in. or 8 mm											
	FMS Female ISO												
	MS Male ISO	10 10 mm											
	FBP Female BSPP	12 3/4 in. or 12 mm											
	MBP Male BSPP	14 14 mm or M14 x 1.5											
	F Fractional Tube Fitting	16 1 in. or 16 mm											
	M Metric Tube Fitting	18 18 mm											
	UGF Nut + Gasket + Fractional Bulge Nipple	20 1 1/4 in. or 20 mm or M20 x 1.5											
	UGM Nut + Gasket + Metric Bulge Nipple	22 22 mm or M22 x 1.5											
	FSW Fractional Socket Weld Tube	24 M24 x 1.5											
	MSW Metric Tube Socket Weld	25 25mm											
	FBW Fractional Tube Butt Weld	27 M27 x 2											
	MBW Metric Tube Butt Weld	28 28mm											
	PSW Pipe Socket Weld												
	PBW Pipe Butt Weld												
											304 Stainless Steel Bar		A400 Alloy 400 A20 Alloy 20 A600 Alloy 600 A825 Alloy 825 A276 Alloy C276 DU7 Duplex 2507 BR Brass

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