



NVA Series Needle Valves*

1/4" TO 1/2" PVC AND GFPP

KEY FEATURES

- Available in PVC and GFPP
- Integrated Stem/PTFE Seat Design
- Flanges for Panel Mounting
- NPT Threaded Ends
- Accurate Flow Control
- Fine Pitch Stem Threads for Precise Adjustment
- Adjust Flow Rates Down to Drops per Minute
- Ideal for Metering Flow

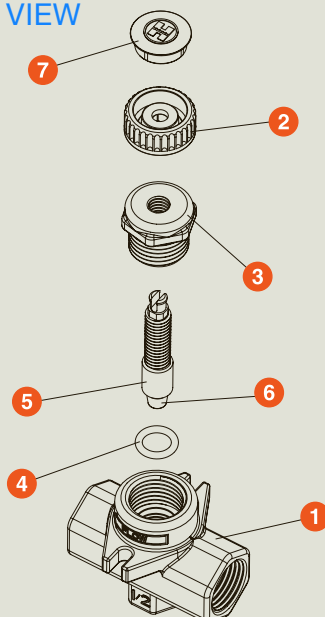
MATERIALS

- Heavy Duty FPM O-Ring Seals
- PVC Cell Class 12454 per ASTM D1784
- GFPP per ASTM D4101

* Patent Pending

TECHNICAL INFORMATION

EXPLODED VIEW



SELECTION CHART

SIZE	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
1/4" – 1/2" (DN8 – DN15)	PVC or GFPP	Threaded	FPM	150 PSI @ 70°F Non-Shock

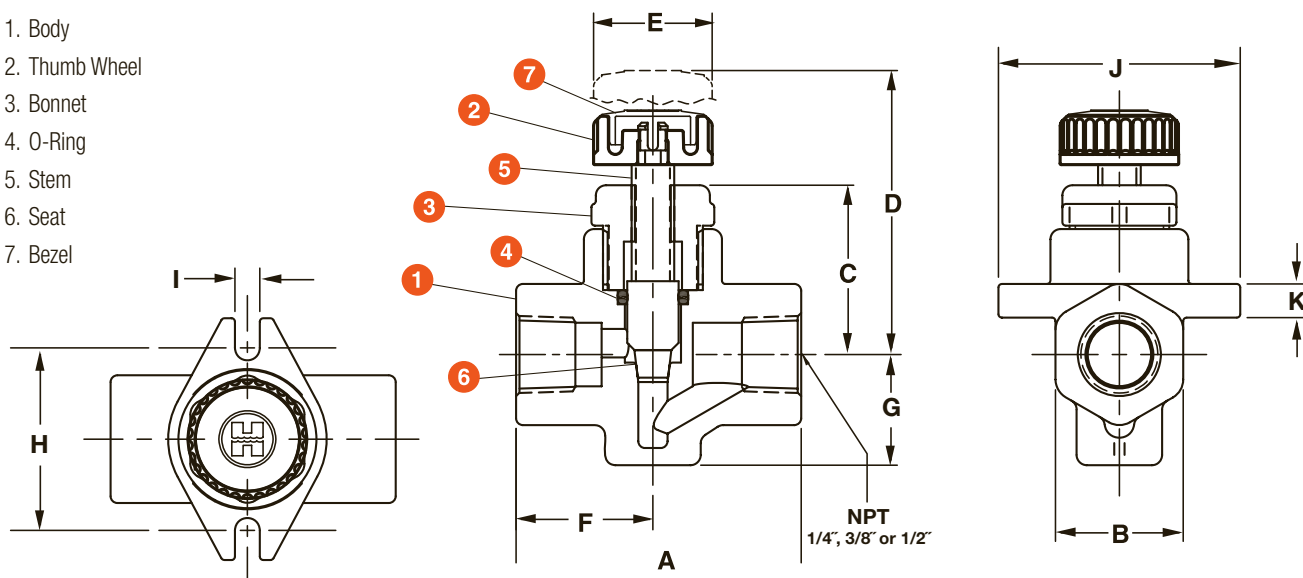
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TECHNICAL INFORMATION, CONTINUED

PARTS LIST

1. Body
2. Thumb Wheel
3. Bonnet
4. O-Ring
5. Stem
6. Seat
7. Bezel



DIMENSIONS

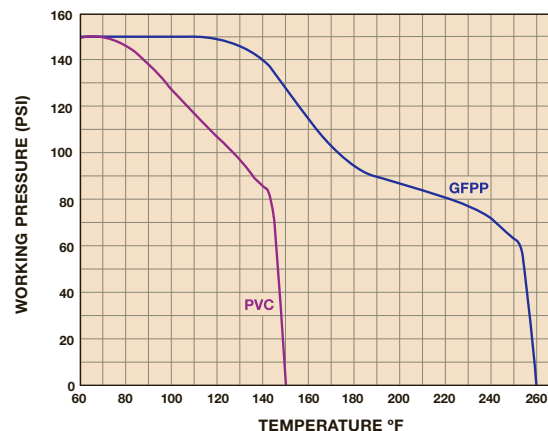
NOM SIZE in/DN	A in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm	G in/mm	H in/mm	I in/mm	J in/mm	K in/mm	WEIGHT lbs/kg
1/4/8	2.50/64	1.12/28	1.49/38	2.49/63	1.04/26	1.20/30	.97/25	1.60/41	.22/6	2.12/54	.30/8	.22/.10
3/8/10	2.50/64	1.12/28	1.49/38	2.49/63	1.04/26	1.20/30	.97/25	1.60/41	.22/6	2.12/54	.30/8	.22/.10
1/2/15	2.50/64	1.12/28	1.49/38	2.49/63	1.04/26	1.20/30	.97/25	1.60/41	.22/6	2.12/54	.30/8	.22/.10

Dimensions are subject to change without notice – consult factory for installation information

Cv VALUES

SIZE in/DN	Cv VALUES	PRESSURE LOSS CALCULATION FORMULA
1/4/8	.64	$\Delta P = \left[\frac{Q}{C_v} \right]^2$
3/8/10	.72	ΔP = Pressure Drop
		Q = Flow in GPM
		C_v = Flow Coefficient
1/2/15	.79	

OPERATING TEMPERATURE/PRESSURE



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