SOFT SEAT NEEDLE VALVES

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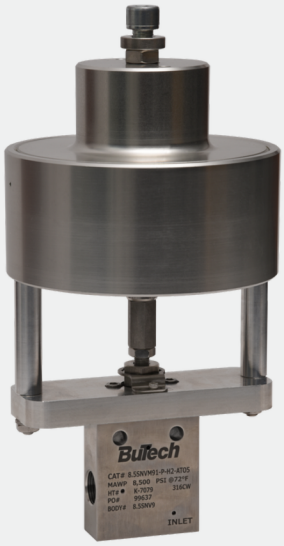
AIR-OPERATED NEEDLE VALVES DESIGNED FOR MEDIUM PRESSURE GAS APPLICATIONS



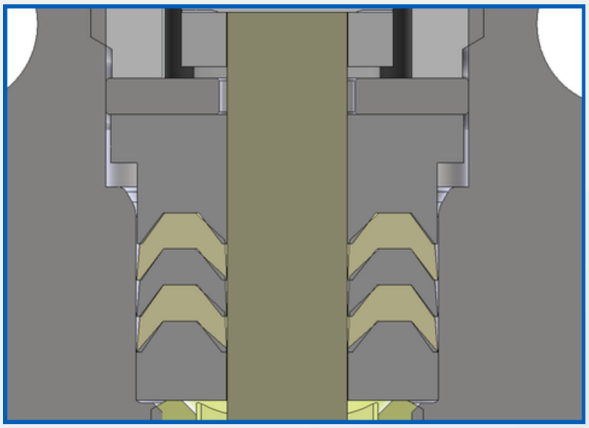
Traditional metal-to-metal seated needle valves often fall short when it comes to achieving a leak-tight seal with gases. BuTech's **Soft Seat Needle Valves** combine the trusted performance of a traditional needle valve, with **Chevron packing** and a **soft seat**, delivering a true **leak-tight seal** when closed.

- Reliable containment for hydrogen and other gases
- Tested to ISO standards
- Ideal for Hydrogen refueling stations and compression systems, H2 generation, storage, and transfer, R&D lab gas distribution, test stands, tube trailer filling and general system shut off valves for most gases: Nitrogen, Hydrogen, Helium, Argon

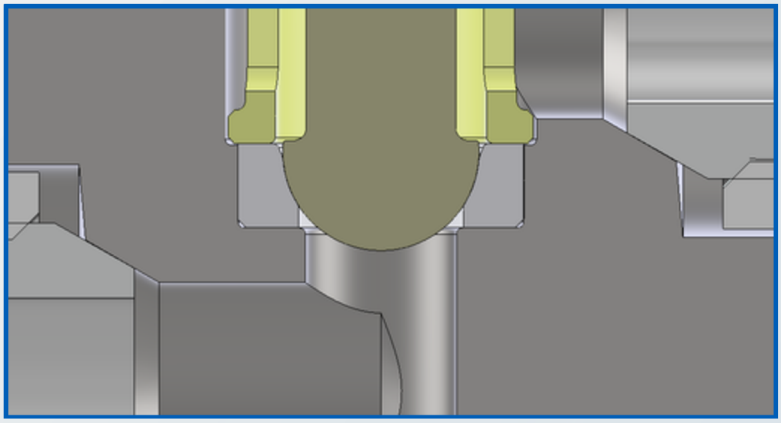
Why Choose BuTech?

Gas leaks aren't just costly - they're dangerous. BuTech's Soft Seat Needle Valves help to maintain system integrity by keeping your media securely contained upstream, and preventing pressure loss downstream.

A trusted brand in valve technology.



Chevron Packing



Soft Seat

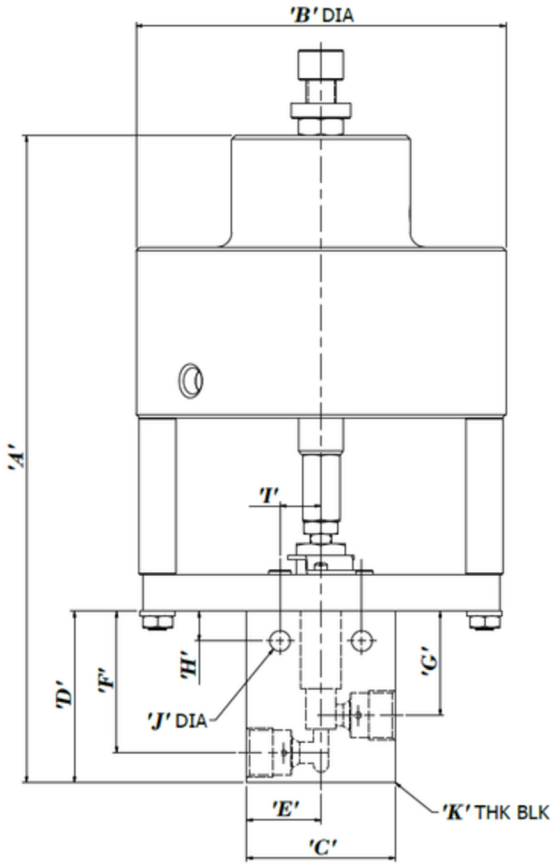
Material of Construction: 316 SS, PEEK, PTFE
Aluminum Actuator (Air to Open & Air to Close)
Available as 2-way straight and 2-way angle

Temperature Range: -58°F to +392°F (-50°C to +200°C)
ATEX Approved
Patent Pending

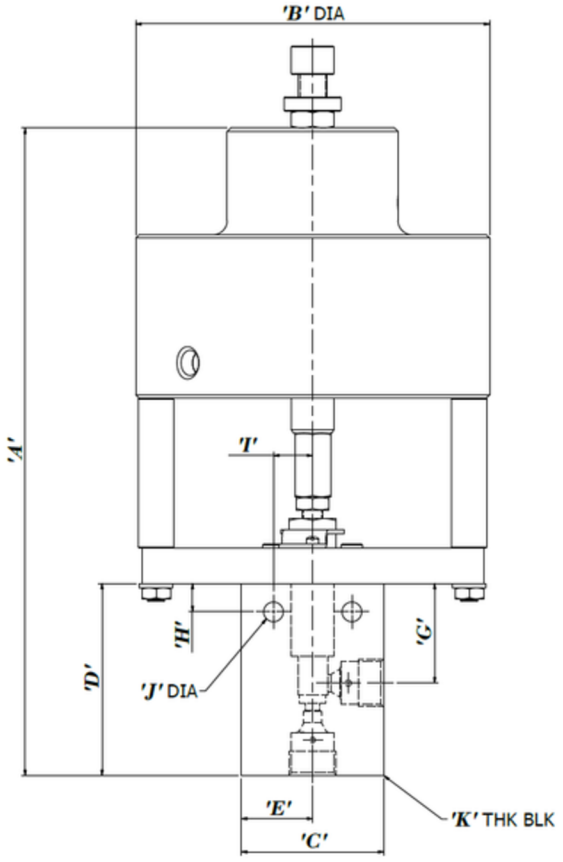
DIMENSIONAL & CONNECTION DATA

Catalog Number	Connection	MAWP	Min. Orifice	Cv	A	B	C	D	E	F	G	H	I	J	K
8.5SNVM91-P-H2-ATO5	9/16" M/P	8,500 PSI	.25"	.78	10.88"	6.25"	2.50"	2.88"	1.25"	2.38"	1.75"	.50"	.69"	.34" Dia.	1.00"
8.5SNVM92-P-H2-ATO5	9/16" M/P	8,500 PSI	.25"	1.17	11.37"	6.25"	2.50"	3.38"	1.25"	N/A	1.75"	.50"	.69"	.34" Dia.	1.00"
8.5SNVP81-P-H2-ATO5	1/2" FNPT	8,500 PSI	.25"	.78	11.00"	6.25"	2.50"	3.00"	1.25"	2.38"	1.75"	.50"	.69"	.34" Dia.	1.25"
8.5SNVP82-P-H2-ATO5	1/2" FNPT	8,500 PSI	.25"	1.17	11.37"	6.25"	2.50"	3.38"	1.25"	N/A	1.75"	.50"	.69"	.34" Dia.	1.25"

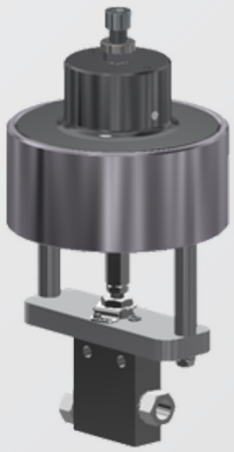
2-Way Straight



2-Way Angle



This design was tested with Nitrogen & Helium per ISO-19880-3 to 102,000 pressure cycles with the original packing set and soft seat. Patent Pending.



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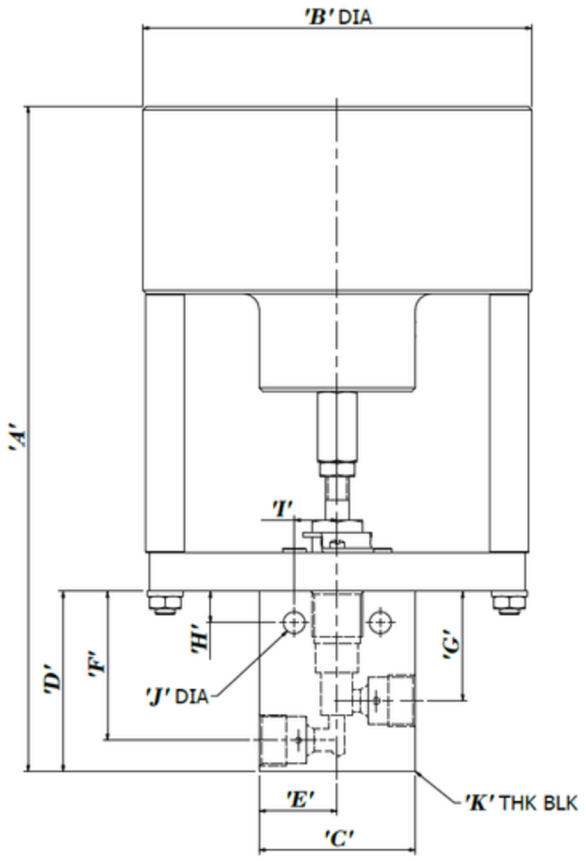
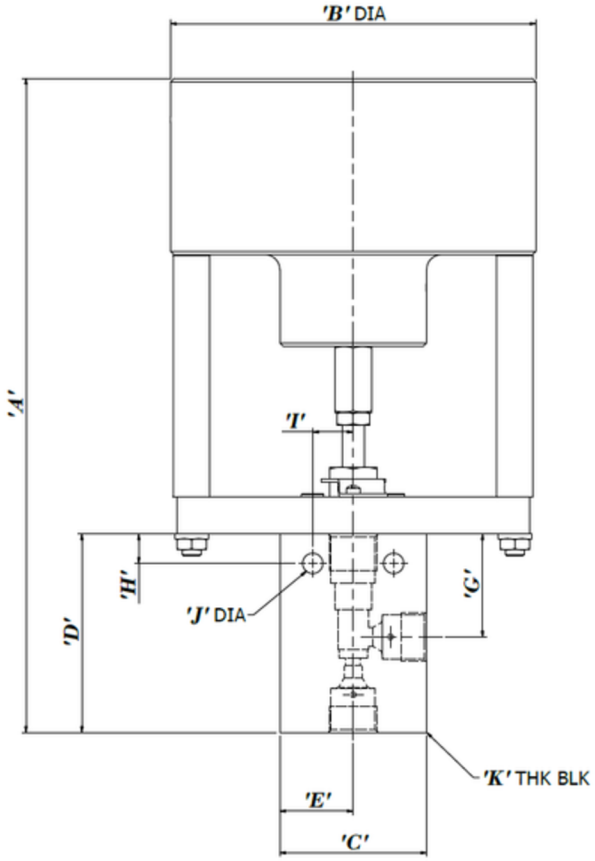
2-Way Straight



2-Way Angle



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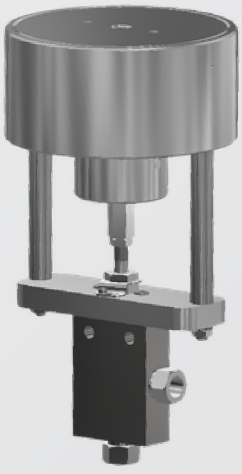

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