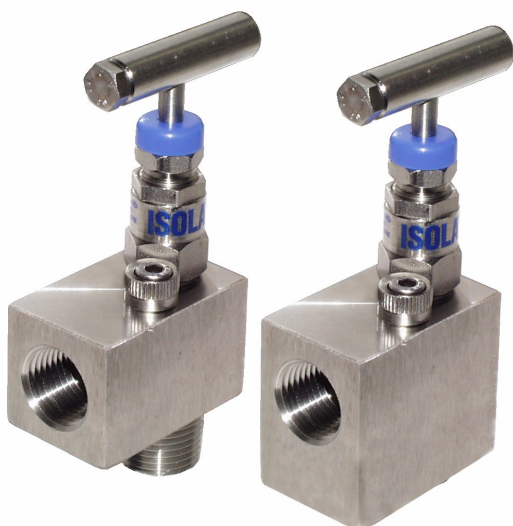


AV series



General Information

6,000 and 10,000 psi Angle Pattern Needle Valve

The 90° angle pattern needle valve offers high pressure bubble tight sealing in a compact body allowing pipe work origination to change by 90° at the valve. The "AV" offers many different connections, male x male, male x female, threaded and even compression type tube ends. Pressure ratings 6,000 psi and 10,000 psi. Sizes from 1/4" to 1". Several options such as locking device and hand wheel operator are available. The "AV" series is made in 316 stainless steel as standard and various super alloys.

Design Features

2-piece non-rotating hardened (17-4PH) tip for first time seal and long service life.

Bubble tight shut off.

Positive no slack stem action.

Unique bonnet locking cam.

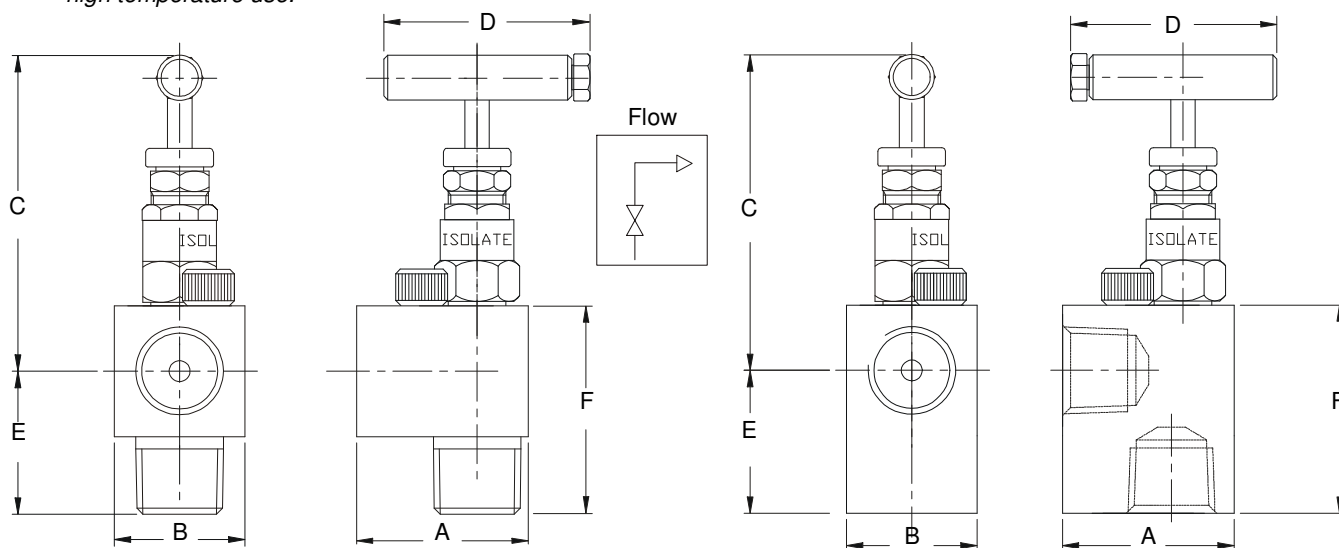
Metal to metal body bonnet seal for high pressure and high temperature use.

Temperature range -100°C to 230°C (570°C with GP option).

Ingress seal fitted as standard.

Full material traceability.

Material of construction can be supplied to meet the requirements of NACE MR-01-75



Part Numbers

St / St Part No.	Connections Size	A	B	C	D	E	F	CV	KV	Weight Kgs
AV2NS	1/4" NPT female x female	38	25	76	50	29	44	0.3	0.26	0.3
AV3NS	3/8" NPT female x female	38	25	77	50	33	48	0.75	0.65	0.35
AV4NS	1/2" NPT female x female	42	28	77	50	35	51	0.75	0.65	0.4
AV6NS	3/4" NPT female x female	45	38	83	50	41	63	0.75	1.65	0.7
AV8NS	1" NPT female x female	50	45	86	50	45	70	1.8	1.6	1.1

For male inlet add -1M i.e. AV4NS-1M

Packing materials: RTFE (standard) graphoil option -GP

For 10,000 psi version add "U" i.e. UAV4NS-1M

Dims are in mm (Appx)

See technical section for important additional valve data.

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SECTION 8

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