

HVA Series Inline Isolation Valve + Actuator



Specifications

- Temperature range: -4° to 302°F (-20° to 83°C)
- Maximum pressure: 225 psi
- Vacuum rating: 740mm Hg (97% vacuum)
- Seats & Seals: VITON = High compatibility with majority of fluids, not advised for steam.
- Air pressure required: 40 to 125 psi for double acting, 60 to 125 psi for spring return
- Body and Internals: Electroless Nickel Plated Brass

Description

- The HVA Series combines a pneumatic actuator and isolation valve into one body, which acts as a automated on/off valve.

Features and Benefits

- Compact assembly / Saves space
- High CV / Less restriction (*low pressure drop*)
- Integrated actuators / Less parts to order and no mounting kits
- Integral NAMUR solenoid mounting pad

Models Available

- NC: spring return, normally closed
- NO: spring return, normally open
- DA: double acting

Model Code

	HVA - 3/8 NPT - NO - 24VDC
Series	HVA = Valve + Actuator
Port Size (NPT)	3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
Function	NO = Spring return, Normally open, Air to close NC = Spring return, Normally closed, Air to open DA = Double acting
Solenoid Valve Options	(omit) = No solenoid valve included 24VDC = 24 VDC solenoid valve included 120VAC = 120 VAC solenoid valve included

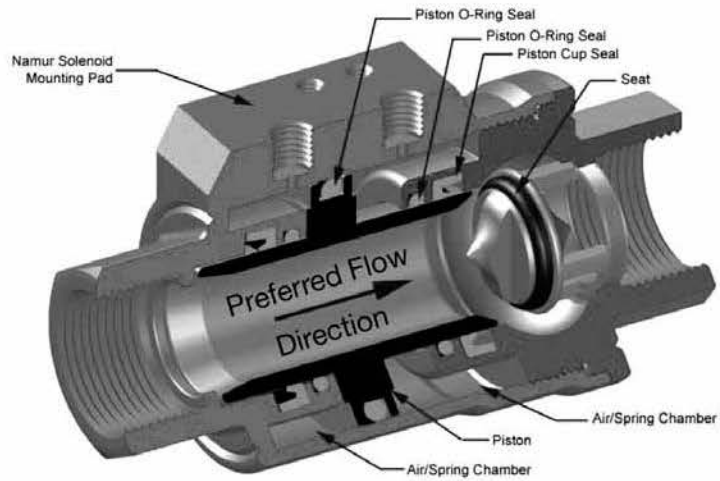
Note: see page 39 - 40 for information on solenoid valves

*Model Codes containing selections listed in RED are non-standard items -
Minimum quantities will apply -
Contact HYDAC for information and availability*

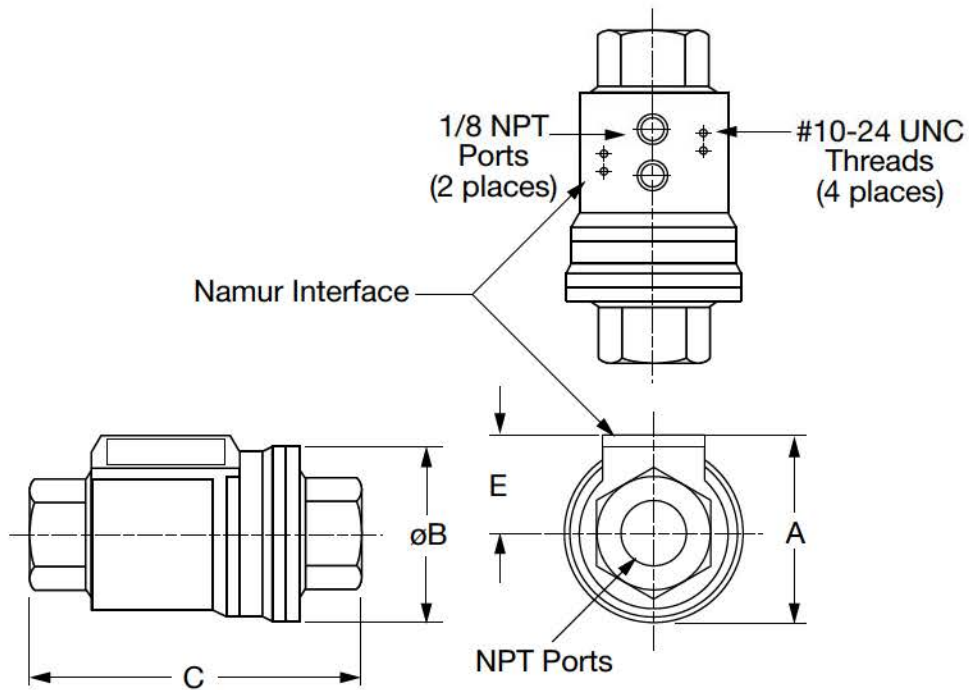
Stroke Time (based on 80 psi actuating pressure)

Size	Spring Return		Double Acting	
	Spring	Air	Opening Air	Closing Air
3/8"	20 mS	10 mS	10 mS	10 mS
1/2"	20 mS	10 mS	10 mS	10 mS
3/4"	30 mS	20 mS	20 mS	20 mS
1"	40 mS	20 mS	20 mS	20 mS
1 1/4"	70 mS	40 mS	30 mS	30 mS
1 1/2"	110 mS	60 mS	60 mS	60 mS
2"	130 mS	70 mS	70 mS	70 mS

Cutaway View



Dimensions



NPT Port Size	Cv	A	B	C	E	Wt	Air Consumption
3/8"	8	2.11	1.81	3.60	1.21	1.90	0.73 cu. inches
1/2"	10	2.33	2.00	4.21	1.31	2.30	1.05 cu. inches
3/4"	13	2.76	2.10	4.92	1.51	3.70	1.90 cu. inches
1"	17	3.00	2.72	5.31	1.63	4.15	2.45 cu. inches
1 1/4"	28	3.59	3.39	6.02	1.90	7.50	4.58 cu. inches
1 1/2"	57	4.00	3.78	6.73	2.12	8.15	6.70 cu. inches
2"	81	4.50	4.29	7.51	2.35	12.75	9.50 cu. inches

Dimensions are for general information only, all critical dimensions should be verified by requesting a certified print.
Dimensions are in inches and lbs