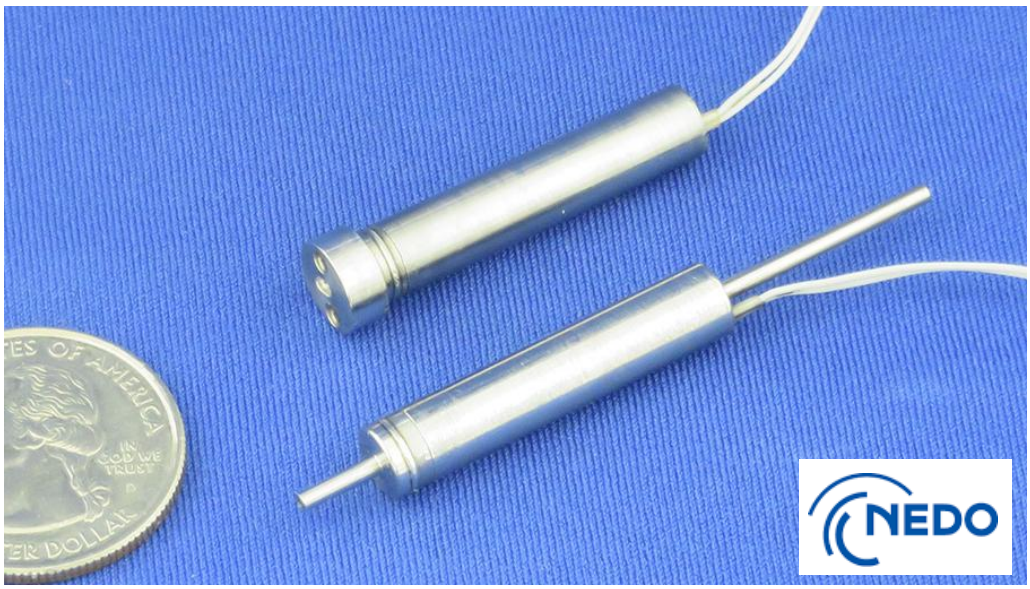
TAKASAGO FLUIDIC SYSTEMS

HIGH PRESSURE ULTRA-SMALL SOLENOID VALVE

HVA/HVAL Series



For Satellite Propulsion Applications

Features

- 2 MPa pressure rating
- Compact and lightweight
- ISO19683 vibration requirements met (HVA-2-N1FN)

Specifications

Model Number		HVA-2-MFFN	HVA-2-N1FN	HVAL-2-N1FN
Solenoid Type		Normally Closed		Latching
Orifice Diameter		0.4 mm		
CV Value		0.0035	0.0040	
Port Connection		Gasket (Manifold Mount)	1/16″ tube	
Operating Pressure Range		0 ～ 2 MPa (Inlet Port)		
Temperature Range		0 ～ 70 °C *1		
Rated Voltage		12 VDC		
Holding Voltage		3 VDC		N/A
Power Consumption	Rated Voltage	6.5 W		7 W
	Holding Voltage	0.4 W		N/A
Duty Cycle	Rated Voltage	Intermittent ED: 30% Maximum On Time: 1.0 s		Intermittent ED: 25% On Time : 0.05 ～ 0.1 s
	Holding Voltage	Continuous		N/A
Sealing Material		FKM (Optionally FFKM, PTFE)		
Outer Dimensions		Dia.8 × L34 mm	Dia.6.2 × L58 mm	
Weight		8 g		

*1: The temperature range may change depending on the sealing material.
Note: Details including specifications may change at any time without notification.

TFS (Takasago Fluidic Systems)
URL: https://www.takasago-fluidics.com/

For inquiries, please use this QR code.

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