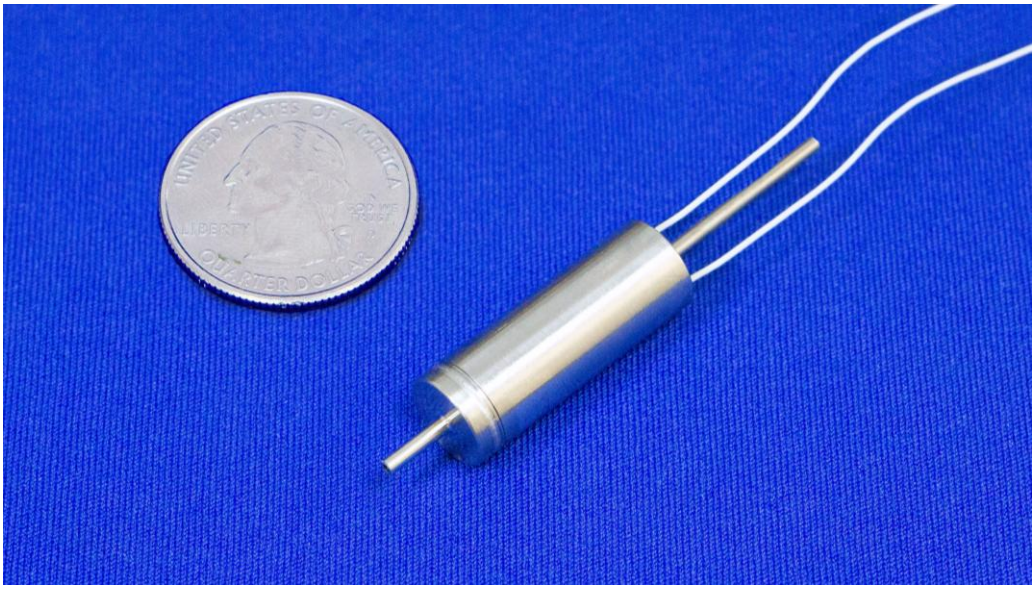
TAKASAGO FLUIDIC SYSTEMS

HIGH PRESSURE ULTRA-SMALL SOLENOID VALVE

HVD/HVDL Series



For Satellite Propulsion Applications

Features

- 5.5 MPa or 10 MPa pressure rating
- Compact and lightweight

Specifications

Model Number		HVD-2-N1FN	HVDL-2-N1FN	HVD-2-N1FN-3
Solenoid Type		Normally Closed	Latching	Normally Closed
Orifice Diameter		0.4 mm		0.6 mm
CV Value		0.0045		0.01
Port Connection		1/16" tube		
Operating Pressure Range		0 ～ 10 MPa (Inlet Port)		0 ～ 5.5 MPa (Inlet Port)
Temperature Range		0 ～ 70 °C *1		
Rated Voltage		12 VDC		
Holding Voltage		3 VDC	N/A	3 VDC
Power Consumption	Rated Voltage	11 W	10 W	11 W
	Holding Voltage	0.7 W	N/A	0.7 W
Duty Cycle	Rated Voltage	Intermittent ED: 15% Maximum On Time: 1.0 s	Intermittent ED: 20% On Time : 0.05 ～ 0.1 s	Intermittent ED: 15% Maximum On Time: 1.0 s
	Holding Voltage	Continuous	N/A	Continuous
Sealing Material		FKM (Optionally FFKM)		
Outer Dimensions		Dia.10 × L 55 mm		
Weight		14 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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