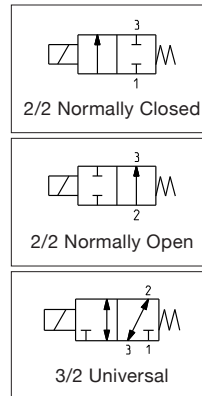


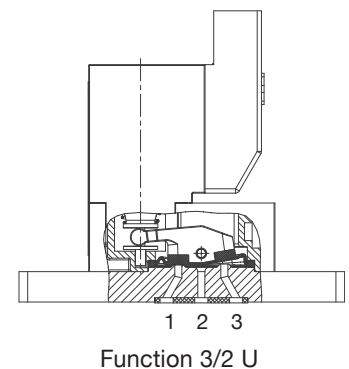
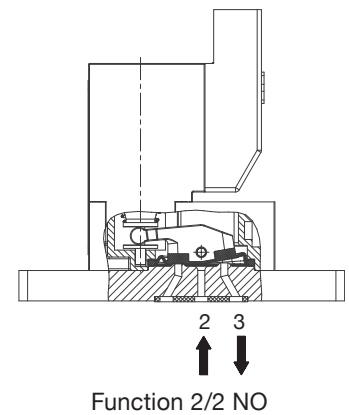
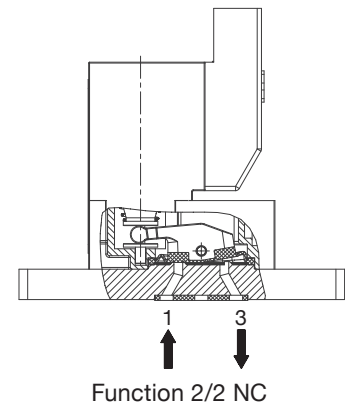
ROCKER SOLENOID FLUID ISOLATION VALVES



- Rocker isolation valves are designed for use with neutral or highly aggressive liquids in analytical instrumentation
- Special rocker mechanism, combined with a separating diaphragm, prevents heat transfer to the fluid and eliminates the sticking effect of the valve seat
- Hermetic separation of control mechanism prevents particulate contamination caused by friction of moving parts, assuring maximum purity of liquid samples
- Excellent self-draining capability and easy-to-flush low-volume internal cavity make these valves ideal in application where cross-contamination must be minimized
- “Hit and Hold” feature utilizes an integrated power-save switch that reduces analytical instrument power consumption
- Meets all relevant CE directives, and is RoHS compliant
- Typical applications include:
 - Pipette Dispensing
 - In-vitro Diagnostics
 - DNA Sequencing
 - Surgical Fluid Management



Functional Principle



Fluids*	Temperature Range	Seal Materials*
Liquids or Gases	10 °C to 40 °C (50 °F to 104 °F)	FKM/FFKM
	5 °C to 40 °C (41 °F to 104 °F)	EPDM

* Ensure that the compatibility of the fluids in contact with the materials is verified.

General Valve Information	
Body	PEEK
Seals	FFKM (FKM/EPDM)
Diaphragm	FFKM (FKM/EPDM)
Others	Stainless Steel
Response Time	< 10ms
Internal Volume	10µl
Max. Viscosity	20 cSt (mm ² /s)

Electrical Characteristics	
Coil Insulation Class	F
Connector	Pin Header with 2 Contacts
Electrical Safety	EN 60335
Electrical Enclosure Protection	IP65 (EN 60529)
Standard Voltages*	12 VDC, 24 VDC (-5%/+10%)

* Other voltages on request

Coil Type ¹	Power Ratings	Ambient Temperature Range	Protection	Electrical Connection
	Inrush/Holding			
	W	°C (°F)	VA	W
Specific	2.5/1.0*	10 to 50 (50 to 122)	IP40	Connector with two 0.5mm ² lead wires + built-in LED and electrical protection or lead wires, 0.5m (19.7in) long

* With power-save electronics

¹ The coil used for orifice size 1.35mm (0.053in) is longer by 12.5mm (0.49in) than that used for the other orifice sizes, see drawings on following pages

Specifications										
Connection	Orifice Size	Flow Coefficient		Pressure Differential bar (psi)			Electrical Connection/ Type*	Catalog Number	Options ²	
				min.	max.				FKM	EPDM
	mm (inches)	Kv (m3/h)	Cv		gases	liquids				
2/2 NC - Normally Closed										
Long Flange ¹	0.6 (0.024)	0.006	0.007	-0.9 (-13)	3 (43.5)	3 (43.5)	1	SC S067A 021	V	E
							2	SC S067A 022		
							3	SC S067A 023		
							4	SC S067A 024		
							L S067A 025			
	0.8 (0.031)	0.010	0.012	-0.9 (-13)	2 (29.0)	2 (29.0)	1	SC S067A 026	V	E
							2	SC S067A 027		
							3	SC S067A 028		
							4	SC S067A 029		
							L S067A 030			
	1.0 (0.040)	0.017	0.020	-0.9 (-13)	1.5 (21.8)	1.5 (21.8)	1	SC S067A 031	V	E
							2	SC S067A 032		
							3	SC S067A 033		
							4	SC S067A 034		
							L S067A 035			
	1.35 (0.053)	0.026	0.030	-0.9 (-13)	1.0 (14.5)	1.0 (14.5)	1	SC S067A 036	V	E
							2	SC S067A 037		
							3	SC S067A 038		
							4	SC S067A 039		
							L S067A 040			
2/2 NO - Normally Open										
Long Flange ¹	0.6 (0.024)	0.006	0.007	-0.9 (-13)	3 (43.5)	3 (43.5)	1	SC S067A 061	V	E
							2	SC S067A 062		
							3	SC S067A 063		
							4	SC S067A 064		
							L S067A 065			
	0.8 (0.031)	0.010	0.012	-0.9 (-13)	2 (29.0)	2 (29.0)	1	SC S067A 066	V	E
							2	SC S067A 067		
							3	SC S067A 068		
							4	SC S067A 069		
							L S067A 070			
	1.0 (0.040)	0.017	0.020	-0.9 (-13)	1.5 (21.8)	1.5 (21.8)	1	SC S067A 071	V	E
							2	SC S067A 072		
							3	SC S067A 073		
							4	SC S067A 074		
							L S067A 075			
	1.35 (0.053)	0.026	0.030	-0.9 (-13)	1.0 (14.5)	1.0 (14.5)	1	SC S067A 076	V	E
							2	SC S067A 077		
							3	SC S067A 078		
							4	SC S067A 079		
							L S067A 080			
3/2 U-Universal										
Long Flange ¹	0.6 (0.024)	0.006	0.007	-0.9 (-13)	3 (43.5)	3 (43.5)	1	SC S067A 101	V	E
							2	SC S067A 102		
							3	SC S067A 103		
							4	SC S067A 104		
							L S067A 105			
	0.8 (0.031)	0.010	0.012	-0.9 (-13)	2 (29.0)	2 (29.0)	1	SC S067A 106	V	E
							2	SC S067A 107		
							3	SC S067A 108		
							4	SC S067A 109		
							L S067A 110			
	1.0 (0.040)	0.017	0.020	-0.9 (-13)	1.5 (21.8)	1.5 (21.8)	1	SC S067A 111	V	E
							2	SC S067A 112		
							3	SC S067A 113		
							4	SC S067A 114		
							L S067A 115			
	1.35 (0.053)	0.026	0.030	-0.9 (-13)	1.0 (14.5)	1.0 (14.5)	1	SC S067A 116	V	E
							2	SC S067A 117		
							3	SC S067A 118		
							4	SC S067A 119		
							L S067A 120			

* Types 1 to 5 with power-save electronics, LED and electrical protection, mm (inches)

1 = width: 5.08 (0.2) 4 = width: 2.54 (0.1)
 2 = width: 5.08 (0.2) 5 = Flying Leads, 0.5 (19.7) long
 3 = width: 2.54 (0.1) (see drawings on following page)

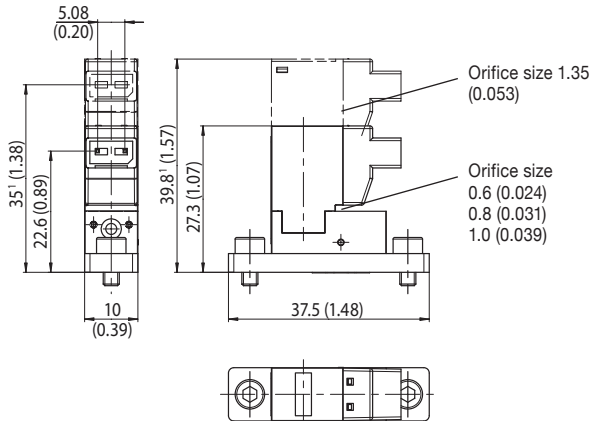
¹ 2 hexagon socket head cap mounting screws M3x6mm (0.24in), stainless steel, ISO4762 supplied

² To order FFKM seals, leave the corresponding designation in the catalog number "blank"

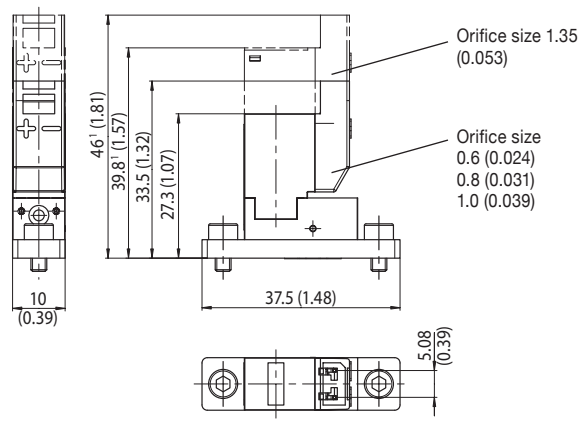
Dimensions: mm (inches)

Dimensional Drawings

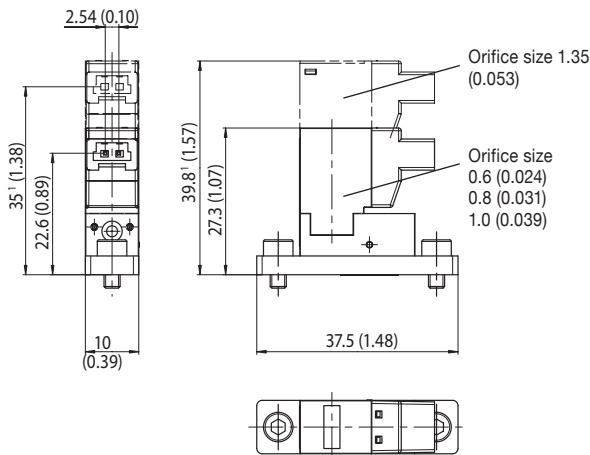
Type 1



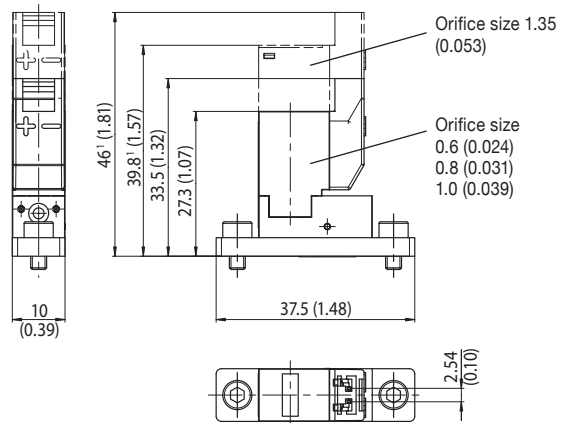
Type 2



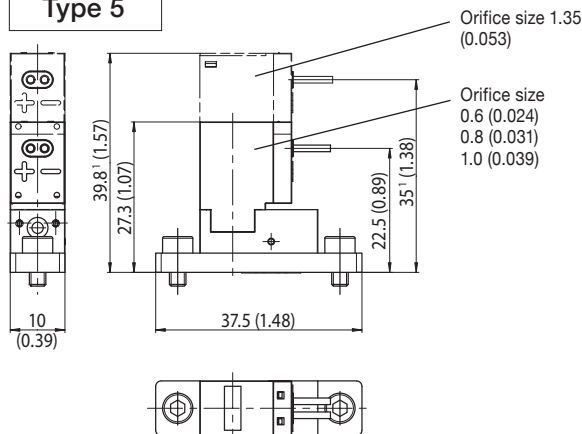
Type 3



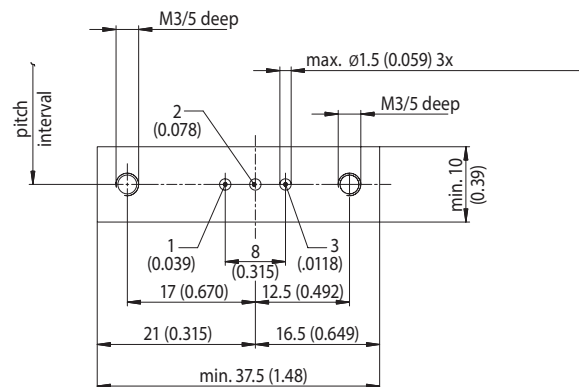
Type 4



Type 5



Mounting Pad



¹ The coil used for orifice size 1.35mm (0.053in) is longer by 12.5mm (0.492in) than that used for the other orifice sizes

NOTE: Connectors must be ordered separately, please specify the quantity and Catalog numbers required:

Pin spacing 5.08 (0.20)	0.5m (19.7in) long	Catalog number: 88118801
	1.5m (59in) long	Catalog number: 88118802
	3m (118in) long	Catalog number: 88118803

Pin spacing 2.54 (0.10)	0.5m (19.7in) long	Catalog number: 88118806
	1.5m (59in) long	Catalog number: 88118807
	3m (118in) long	Catalog number: 88118808

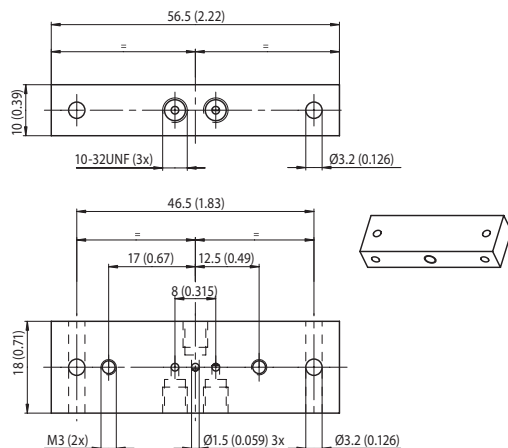


Dimensions: mm (inches)

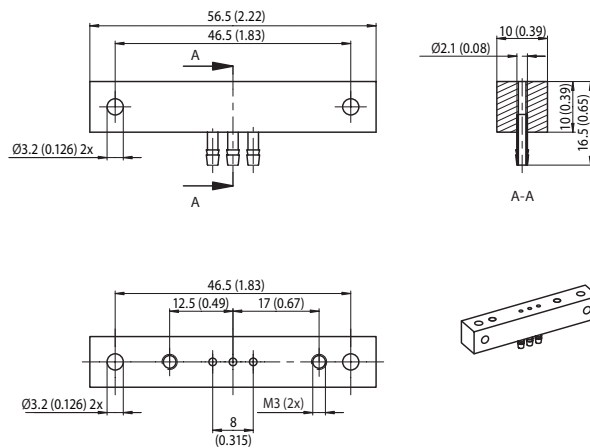
Dimensional Drawings

Single Subbases PEEK

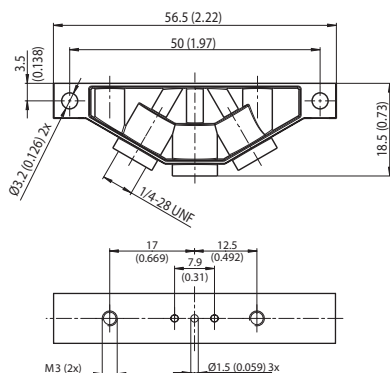
UNF thread -
Catalog number 36100038



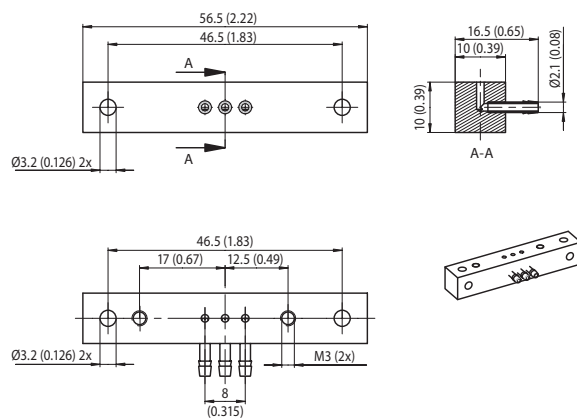
Bottom push-in hose connection -
Catalog number 36100042



UNF thread -
Catalog number 36100040



Side push-in hose connection -
Catalog number 36100044



Options

- Subbases available on request
- Manual operator (impulse-type)

Installation

- The solenoid valves can be mounted in any position without affecting operation