

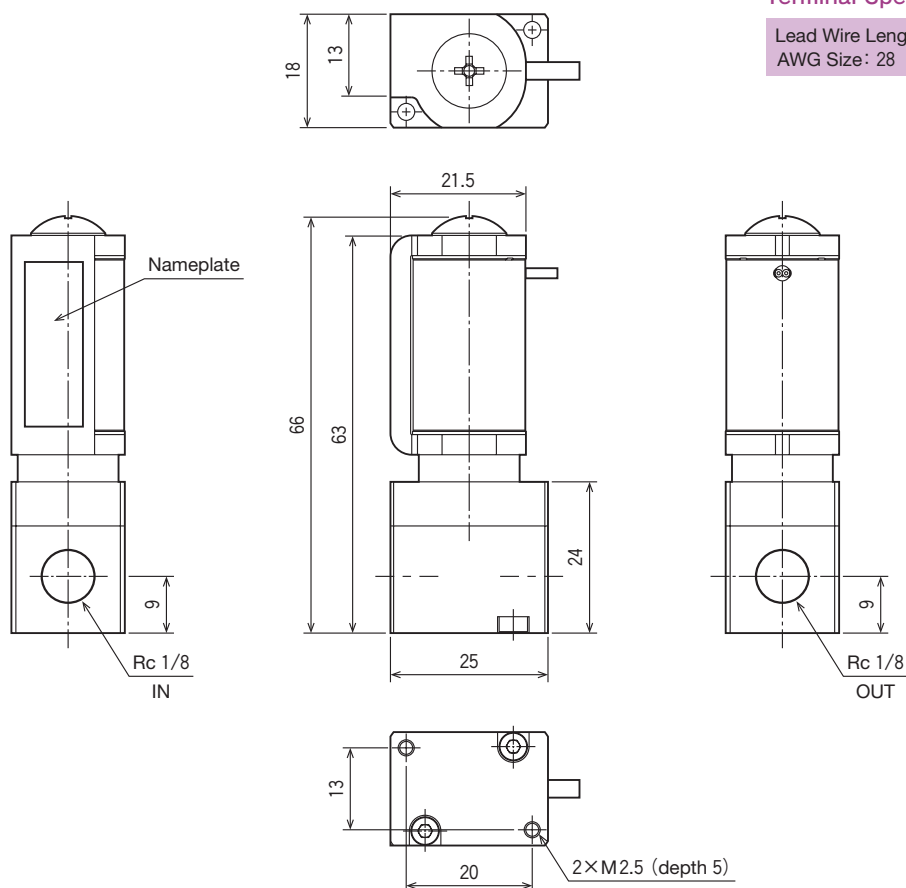
◆ Main Specifications

Model Number	PSV-03TB-002	PSV-03TB-005	PSV-03TB-030
Control Flow Range	0.04 ~ 2 (L/min)	0.1 ~ 5 (L/min)	0.6 ~ 30 (L/min)
Maximum Output Current	2.4 (L/min)	6 (L/min)	36 (L/min)
Valve Type	Direct Operated Poppet		
Valve Operation	NC type		
Fluid	Air, Oxygen, nitrogen, hydrogen, helium, carbon dioxide, methane, etc.* ¹		
Operating Pressure Differential Range	0.05 ~ 0.5 (MPa)	0.05 ~ 0.5 (MPa)	0.1 ~ 0.3 (MPa)
Connection Bore Diameter	Rc1/8		
Proof Pressure	1.0 (MPa)		
Fluid Temperature	5 ~ 50 (°C)		
Ambient Temperature	5 ~ 50 (°C)		
Ambient Humidity	30 ~ 85 (%)		
Flow Factor Cv	0.007	0.018	0.109
Orifice Diameter	0.7 (mm)	1.5 (mm)	3.6 (mm)
Leakage* ²	1 (cc/min) or less* ²		
Mounting Orientation	at will* ³		
Mass	140 (g)		
Life Cycle/Durability* ⁴	2,500,000 (cycle)		
Material of Contact Area	Body: SUS		
	Seal: PTFE		
Material of Gas Contact Area	SUS 316, PTFE, Electromagnetic SUS, FKM		
Electrical Specifications			
Rated Voltage	24 (V DC)		
Control Voltage Range	0 ~ 160 (mA)		
Heat-Resistant Class	Class A (105 °C)		



- *1: Use a non-corrosive liquid as a contact material.
- *2: Leakage is the sum of internal and external leakage.
- *3: Subject to a primary measuring pressure of 0.5 MPa.
- *4: Based on Takano's standard test environment.

◆ External Dimensions (mm)



Terminal Specifications

Lead Wire Length (mm) : 110
AWG Size : 28