

## ◆ Main Specifications

Control Flow Range	2 ~ 150 (L/min)
Maximum Output Current	180 (L/min)
Valve Type	Direct Operated Poppet
Valve Operation	NC type
Fluid	Air, Oxygen, nitrogen, hydrogen, helium, carbon dioxide, methane, etc.* <sup>1</sup>
Operating Pressure Differential Range	0.2 ~ 0.5 (MPa)
Connection Bore Diameter	NPT1/8
Proof Pressure	1.0 (MPa)
Fluid Temperature	5 ~ 50 (°C)
Ambient Temperature	5 ~ 50 (°C)
Ambient Humidity	30 ~ 85 (%)
Flow Factor Cv	0.26
Orifice Diameter	7.4 (mm)
Leakage* <sup>2</sup>	100 (cc/min) or less* <sup>2</sup>
Mounting Orientation	at will* <sup>3</sup>
Mass	420 (g)
Life Cycle/Durability* <sup>4</sup>	2,500,000 (cycle)
Material of Contact Area	SUS FKM
Material of Gas Contact Area	SUS 316, Electromagnetic SUS, FKM
Electrical Specifications	
Rated Voltage	12 (V DC)
Control Voltage Range	0 ~ 110 (mA)
Heat-Resistant Class	Class A (105°C)



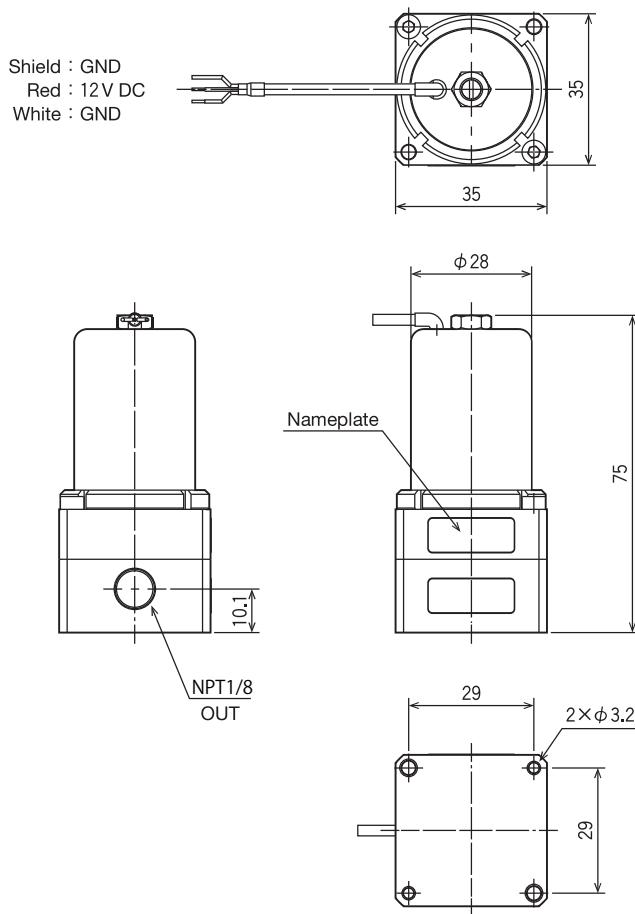
\*<sup>1</sup>: Use a non-corrosive liquid as a contact material.

\*<sup>2</sup>: Leakage is the sum of internal and external leakage.

\*<sup>3</sup>: Subject to a primary measuring pressure of 0.5 MPa.

\*<sup>4</sup>: Based on Takano's standard test environment.

## ◆ External Dimensions (mm)



## Terminal Specifications

Lead Wire Length (mm) : 255  
AWG Size : 28