

W13 Series Compact 2-Way/3-Way Solenoid Valves for Chemical Liquids

◆ Main Specifications

Model Number*1	2×2-Way	3-Way
	W 13X-XXX	
Valve Type	Diaphragm Type Direct Operated Poppet	
Valve Operation	NC (Normally Closed)	
Fluid	Water, Pure Water, Chemicals*2	
Operating Pressure Range	-75 ~ 250 (kPa)	
Compatible Tube Diameter	2 (mm)	
Proof Pressure	375 (kPaG)	
Fluid Temperature	0 ~ 50 (°C)	
Ambient Temperature	0 ~ 50 (°C)	
Ambient Humidity	30 ~ 85 (%)	
Flow Factor Cv	0.03	
Orifice Diameter	1.3 (mm)	
Volume of Valve Chamber	20 (μℓ)	
Enclosure	IP 40 or equivalent	
Mounting Orientation	at will	
Mass	85 (g)	
Operating Noise	60 (dB)	
Life Cycle/Durability*3	10,000,000 (cycles)	
Material for Wetted Parts	Body: PEEK	
	Diaphragm: FKM	
Electrical Specifications		
Working Voltage	24 (V DC)	12 (V DC)
Allowable Voltage Fluctuation	±10 (%)	
Power Consumption	At Startup: 3 (W)	
	Steady-State: 1 (W)	
Heat-Resistant Class	Class F (155°C)	

◆ Model Number Key

Code	Meaning
① Orifice Diameter	
13	φ 1.3 mm
② Mounting Variations	
A	DIN Rail (t = 1.5)
B	Resin Attachment
③ Number of Ports	
2	2-Way
3	3-Way
④ Working Voltage	
5A	24 V DC
6A	12 V DC

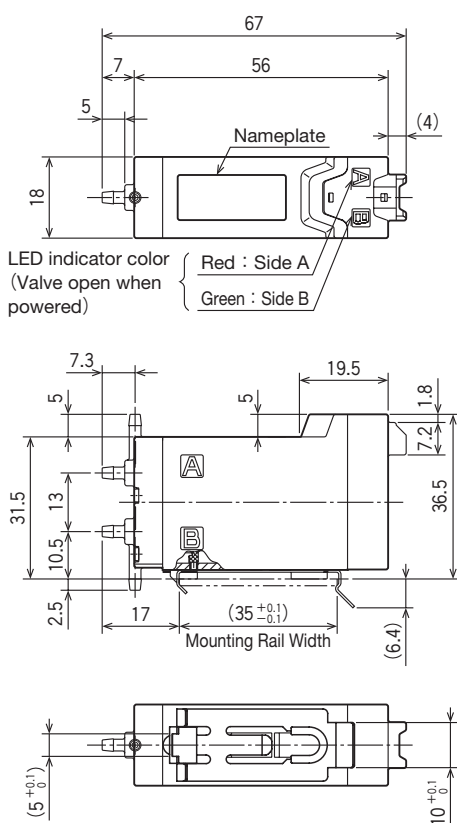
* 1: the "X" portion represents this model's installation variations. Please choose between A or B (see previous page).

* 2: please use chemicals that do not corrode the materials used in the wetted part of the valve.

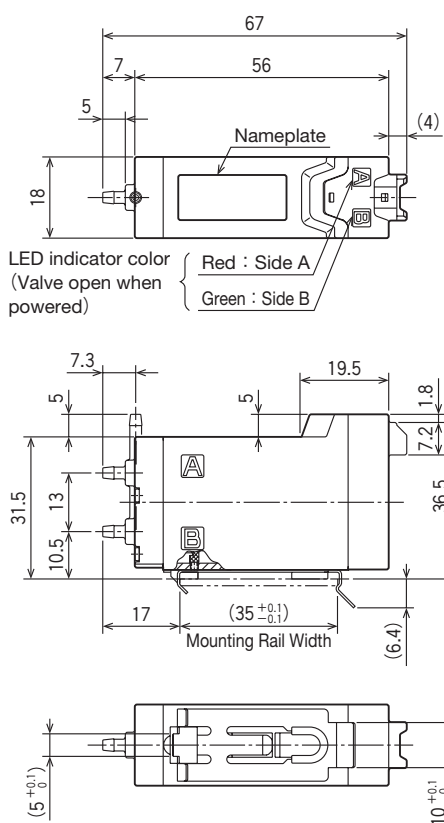
* 3: measured by Takano Co. in a standard testing environment.

◆ External Dimensions (mm)

〈W 13A-25A〉



〈W 13A-35A〉



Terminal Specifications

Contacts: SXA-001 T-P 0.6 (JST)
 Housing: XAP-03 V-1 (JST)