

0927/0955 Series 2/2 Way General Purpose Solenoid Valves



0927 Series - Normally Closed



0955 Series - Normally Open

Product Overview

The 0927/0955 Series is a family of 2-port, 2-position pilot-operated solenoid valves for automatic on/off control of compatible industrial fluids. The 0927 Series is normally closed, while the 0955 Series is normally open. Brass valve bodies, G1/4 to G2 ports, and a wide range of AC and DC coil voltages support general fluid-control applications.

Key Features

- 0927 normally closed and 0955 normally open configurations.
- 2/2-way pilot-operated switching for automated pipeline control.
- Brass body with port sizes from G1/4 to G2.
- Catalog working media include air, water, and steam; final material compatibility must be confirmed.
- Standard voltage options include DC12V, DC24V, AC24V, AC110V, AC220V, and AC380V.
- DIN-style coil configurations and special approved coil options are available subject to confirmation.

Technical Specifications

Parameter	Specification
Product Name	0927/0955 Series 2/2 Way Pilot-Operated Solenoid Valve
Series Functions	0927 Series: normally closed; 0955 Series: normally open
Valve Function	2 ports, 2 positions
Operating Principle	Diaphragm pilot operated / guide type
Body Material	Brass
Catalog Seal Material	PTFE in the supplied model table; other seal options require model confirmation
Port Size Range	G1/4 to G2
Working Media	Air, water, and steam; other compatible media subject to version and seal confirmation
Fluid Viscosity	20 cSt or below
Working Pressure	1 to 15 kgf/cm ² (approximately 0.10 to 1.47 MPa)
Maximum Pressure Resistance	22.5 kgf/cm ² (approximately 2.21 MPa)
Operating Temperature	-5 to 180 deg C, subject to selected seal and coil configuration
Voltage Tolerance	+/-10% of rated voltage
Standard Voltages	DC12V, DC24V, AC24V 50/60Hz, AC110V 50/60Hz, AC220V 50/60Hz, AC380V 50/60Hz
Electrical Connection	DIN connector coil or another approved coil configuration
Installation	Confirm the flow-direction arrow and install the coil upright where practicable
Typical Applications	Water systems, compressed air, compatible steam service, irrigation, washing machinery, and process equipment
Selection Checks	Confirm NC or NO function, port size, thread, medium, pressure, temperature, seal, voltage, frequency, and coil type

Applications

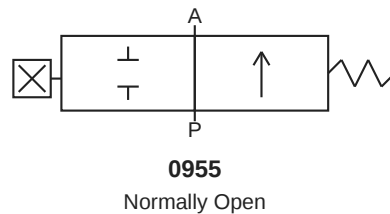
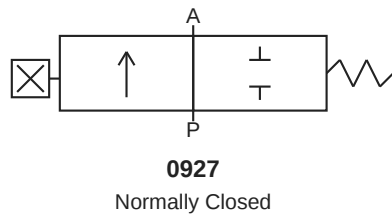
- Automatic water supply, circulation, filling, washing, cooling, and treatment systems.
- Compressed-air and general pneumatic auxiliary circuits.
- Compatible steam and hot-fluid service only after confirming the complete valve version, seal, pressure, temperature, and coil.
- Irrigation, cleaning equipment, packaging machinery, and industrial process control.

Selection and Safety Notes

Pilot-operated valves require adequate inlet pressure and correct flow direction. Do not select a valve for steam, hot fluids, hazardous areas, or explosion-protected service from port size alone. Any explosion-proof configuration must use an approved coil and a complete certified valve assembly suitable for the installation environment.

Circuit Diagrams and Ordering Code

2/2-way solenoid valve functional symbols



Ordering Code Structure

09 - 27 - [Port Code] - [Voltage]

Order Element	Code	Meaning
Specification Code	09	Two-position, two-way solenoid valve
Type Code	27	Normally closed (0927 Series)
Type Code	55	Normally open (0955 Series)
Voltage Entry	Example: AC220V	State the required rated voltage and AC frequency where applicable

Port Code Reference

Port Code	Port Size	Port Code	Port Size
000 / 105	G1/4	100 / 205	G3/8
200 / 305	G1/2	300 / 405	G3/4
400 / 505	G1	500 / 605	G1-1/4
600 / 705	G1-1/2	700 / 805	G2

Standard Voltage Options

DC Options	AC Options
DC12V, DC24V	AC24V 50/60Hz, AC110V 50/60Hz, AC220V 50/60Hz, AC380V 50/60Hz

Function Notes

- 0927 Series valves remain closed without electrical power and open when energized under approved operating conditions.
- 0955 Series valves remain open without electrical power and close when energized under approved operating conditions.
- For hazardous locations, specify the required certification and use a complete approved explosion-protected assembly.

Catalog Model Performance Data

Model	Port	Orifice (mm)	Cv
2L170-10	G3/8	17	4.8
2L170-15	G1/2	17	4.8
2L170-20	G3/4	17	4.8
2L200-25	G1	22	12
2L300-35	G1-1/4	30	20
2L300-40	G1-1/2	30	20
2L500-50	G2	50	48

Common Catalog Ratings

Parameter	Specification
Working Medium	Air, water, steam
Motion Pattern	Guide type / pilot operated
Catalog Type	Normally closed model table; normally open 0955 versions use the corresponding function code
Operation Fluid Viscosity	20 cSt or below
Working Pressure	1 to 15 kgf/cm ²
Maximum Pressure Resistance	22.5 kgf/cm ²
Operating Temperature Range	-5 to 180 deg C
Voltage Range	+/-10%
Body Material	Brass
Catalog Oil Seal Material	PTFE

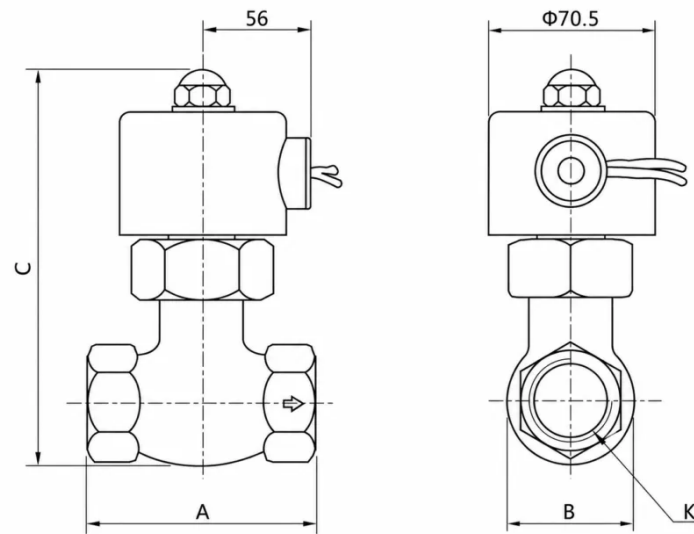
Ordering Information Required

Provide the required series (0927 NC or 0955 NO), port size and thread standard, working medium, minimum and maximum pressure, operating temperature, fluid viscosity, seal requirement, coil voltage and frequency, electrical connector, quantity, labeling, and packaging requirements.

OEM and ODM Support

HOMIPNEU supports model confirmation, sample orders, bulk production, private labeling, export packaging, and customized coil or valve configurations where technically available.

Dimensions and Model Selection



Model	A	B	C	K (PT)
2L170-15	82	40	144	1/2"
2L170-20	84	42	145	3/4"
2L200-25	93	49	153	1"
2L300-35	109	63	163	1-1/4"
2L300-40	113	63	170	1-1/2"
2L500-50	119	77	190	2"

All dimensions are in millimetres unless otherwise stated.

Installation Notes

- Verify the series function, port size, thread, rated voltage, and flow-direction arrow before installation.
- Flush piping before assembly and prevent sealant, scale, or debris from entering the valve.
- Install the coil upright where practicable and keep the electrical connector protected from moisture.
- Confirm minimum operating pressure because the valve uses a pilot-operated structure.
- Test leakage and switching under controlled conditions before placing the equipment into production.

Contact Information

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