ISO Standard:

ISO is the International Standards Organization, a worldwide institute, which sets and maintains fluid power component standards. ASCO base-mounted Series 541 to 544 valves meet the ISO 5599 standard for mounting inter-changeability, port identification, and electrical connectors.

Product Range:

The solenoid operated Series 541 ISO 1 - 1/4" valve specifications are shown in the chart below. ASCO also offers Series 542 ISO 2 - 1/2", Series 543 ISO 3 - 3/4" and Series 544 ISO 4 - 1" valves. For a complete listing of additional product details on all of the ISO Series valves, please refer to Catalogue #JC-08 or consult factory.



Construction

Valve Parts in Contact with Fluids	
Multifunction Type	By selector seal (See catalogue JC-08 for details)
Body Cover	Painted steel sheet
Pilot and Return Assembly	Acetal (POM)
Internal Parts	Acetal (POM) and light alloy
Seals	Nitrile (NBR and polyurethane (PUR)
Options	Refer to Catalogue JC-08

Approvals

CSA certified pilot operator.

Electrical Characteristics

Pilot	Voltages		Consumption		Enclosure	Insulation class	Electrical connector
			Inrush	Holding			
Series 189 ①	AC	24 V, 48 V, 120 V, 220 V 240 V, 50/60 Hz	6 VA	3.5 VA (2.5W)	Type 5	F	Connector rotatable x 180° Cable Entry, PG9P (CM8) 1/2" Conduit available on request
	DC	12 V, 24 V, 48 V, 110 V	2.5W				

Note: ① CSA approved Pilot operator supplied standard on solenoid operated models.

General Specifications

Fluids: Filtered, lubricated or non-lubricated air or inert gases
Temperature Rating: **Solenoid Operated:** 15°F to 140°F
Air Operated: 15°F to 158°F
Flow Coefficient: $C_V = 1.40$, Flow (Q_V at 6 Bar): 1400 l/mn (NAP)
Cycle Life: 30 million under normal operating conditions
Manifolds and Subbases: Conform to ISO 5599/AFNOR NFE 49080 & 49085
See selection chart on page 102.

Dimensions

Refer to Catalogue JC-08

Factory Stock

Catalogue numbers in red print are factory stocked products as indicated.