

# Rocker Isolation Valves

In-Line or Barb Porting



ASCO's patented 458 Series rocker isolation valves feature a unique rocker diaphragm mechanism that shields the internal components of the solenoid from the fluid. The design forms an easy to flush, low volume internal cavity.

- Suitable for corrosive media that can attack valves designed for general service duty.
- Prevents contamination of fluid sample, due to excellent flushing characteristics.
- Rocker design significantly reduces erratic flow caused by pumping action in poppet style valves.
- Standard built-in manual operator for testing or troubleshooting.

## Construction

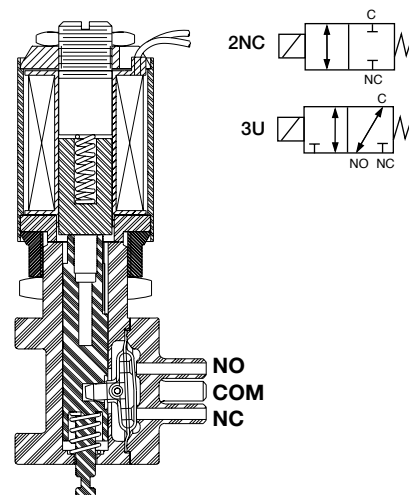
Valve Wetted Parts	
Flange	PSU, PEEK
Diaphragm	EPDM

## Electrical

Standard Voltages	12 VDC, 24 VDC
Power Consumption	2.5 Watts
Duty Cycle Rating	Continuous
Coil Insulation	266°F (130°C)
Electrical Connection	26 AWG Hard Wire

## Valve

Response Time	~20 ms
Internal Volume -2-Way -3-Way	51 µL 62 7µL
Options	<ul style="list-style-type: none"> <li>• Surface or panel mount</li> <li>• Barbed bib ports for 0.062" ID to 0.082" soft tubing</li> <li>• Threaded-flat bottom ports available with #1/4-28 UNF, #10-32 UNF</li> </ul>



## Temperature Range:

Ambient & Media:  
32°F to 114°F (0°C to 45°C)

## Approvals:

Meets applicable CE directives.



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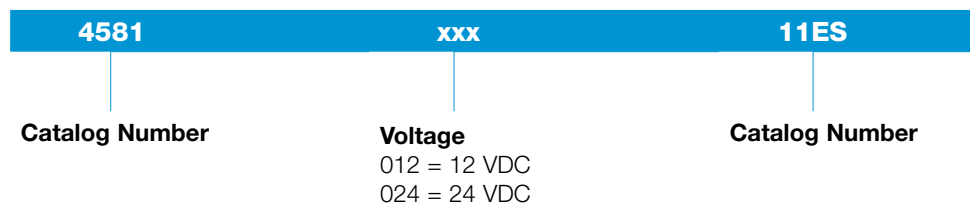
Thorne & Derrick  
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## Specifications

Port Type	Orifice Size (in)	Cv Flow Factor <sup>(1)</sup>	Flange Material	Mount Type	Operating Pressure (psi)		Catalog Number	Power (Watts)	Weight (oz)
					Min.	Max.			
2/2NC - Normally Closed									
Hose Barb	0.062	0.04	PSU	Surface	0	35	4581xxx11ES	2.5	2
Hose Barb	0.062	0.04	PSU	Panel	0	35	4581xxx11EP	2.5	2
#10-32 UNF	0.062	0.04	PEEK	Surface	0	35	4581xxx22ES	2.5	2
#10-32 UNF	0.062	0.04	PEEK	Panel	0	35	4581xxx22EP	2.5	2
1/4-28 UNF	0.062	0.04	PEEK	Surface	0	35	4581xxx32ES	2.5	2
1/4-28 UNF	0.062	0.04	PEEK	Panel	0	35	4581xxx32EP	2.5	2
3/2U - Universal Operation									
Hose Barb	0.062	0.04	PSU	Surface	0	35	4583xxx11ES	2.5	2
Hose Barb	0.062	0.04	PSU	Panel	0	35	4583xxx11EP	2.5	2
#10-32 UNF	0.062	0.04	PEEK	Surface	0	35	4583xxx22ES	2.5	2
#10-32 UNF	0.062	0.04	PEEK	Panel	0	35	4583xxx22EP	2.5	2
1/4-28 UNF	0.062	0.04	PEEK	Surface	0	35	4583xxx32ES	2.5	2
1/4-28 UNF	0.062	0.04	PEEK	Panel	0	35	4583xxx32EP	2.5	2

(1) CV Flow Factors are nominal

## Catalog Number Description and Options



### To Construct Catalog Number

- Select catalog number from table
- Insert voltage into the 5th, 6th, and 7th digits denoted by "xxx"

### Examples

458102411ES = 2-Way normally closed valve with bib ports, PSU flange, surface mounting, 24 VDC coil

