

# Maxseal Solenoid Operated Valves



ICO4S  
1/4" 3/2  
207B  
AUTO



- Typical Applications
- 1/4" 3/2 AUTOMATIC
- Actuator Control
- Direct Acting Shut Off Valve
- Oil & Gas Applications
- Turbine Fuel Control

## Thompson Valves Ltd


### Description

- Model: ICO4S 1/4" 3/2 Uni Direct Acting Solenoid Valve
- High Pressure
- Max Inlet Pressure 207 bar (3000 psi)
- Reliable and long life, ideal for a one time installation
- Control of pneumatic or hydraulic operated equipment

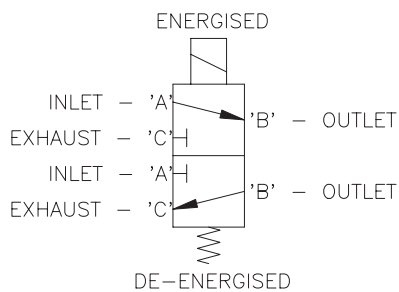
<input type="checkbox"/> Standard Features	<input type="checkbox"/> ICO4S 1/4" 3/2 207B AUTO
<input type="checkbox"/> Solenoid Materials of Construction	<input type="checkbox"/> Solenoid Pot - Stainless Steel - BFC 316
	<input type="checkbox"/> Top Cover - Stainless Steel- BFC 316
	<input type="checkbox"/> Valve Body & Trim Materials - 316 Stainless Steel
	<input type="checkbox"/> O-Rings Seals - High Nitrile (NBR)
	<input type="checkbox"/> Seats - Nylon 66
	<input type="checkbox"/> Coil Insulation - Class H
<input type="checkbox"/> Maximum Inlet Pressure	<input type="checkbox"/> 207 Bar (3000 PSI)
<input type="checkbox"/> Flow Rates	<input type="checkbox"/> C <sub>v</sub> = 0.28 USgpm for 1 psi Δp
	<input type="checkbox"/> K <sub>v</sub> = 4.03 l/min for 1 bar Δp
<input type="checkbox"/> Temperature Ratings	<input type="checkbox"/> Media (Min/Max -20°C/90°C) - Ambient (Min/Max 0°C/60°C)
<input type="checkbox"/> Valve Size	<input type="checkbox"/> 1/4" Poppet Valve
<input type="checkbox"/> Process Connections	<input type="checkbox"/> 1/4" NPT
<input type="checkbox"/> Conduit Connection	<input type="checkbox"/> M20 x 1.5 Conduit Thread
<input type="checkbox"/> Media	<input type="checkbox"/> Liquid & Gases
<input type="checkbox"/> Weight	<input type="checkbox"/> 5.5 Kg
<input type="checkbox"/> Recommended Spares Kits	
<input type="checkbox"/> Soft Spares (O-rings, Springs etc)	<input type="checkbox"/> Standard & Extreme Service Y163A010000-SS
	<input type="checkbox"/> Low Temperature valves See Valve Data Sheet
<input type="checkbox"/> Spare Coil Assembly	<input type="checkbox"/> Standard 24V DC (9.6 WATTS) Y163A0101B0
	<input type="checkbox"/> Other Variations See Valve Data Sheet
<input type="checkbox"/> Options	
<input type="checkbox"/> High Temperature Options	<input type="checkbox"/> High Temperature Spacer (Max Med/Amb 120°C/60°C) Please Call for Dimensions
<input type="checkbox"/> Process Connections	<input type="checkbox"/> Thread - 1/4" BSPP
<input type="checkbox"/> Conduit Connection	<input type="checkbox"/> 1/2" NPT
<input type="checkbox"/> Extreme Service	<input type="checkbox"/> Increased Power Consumption
<input type="checkbox"/> Product lead time	<input type="checkbox"/> Y163AA1J1BS - 1 WEEK (SUBJECT TO QUANTITIES)
	<input type="checkbox"/> Other Variations - Please call for possible delivery dates

Technical Specification

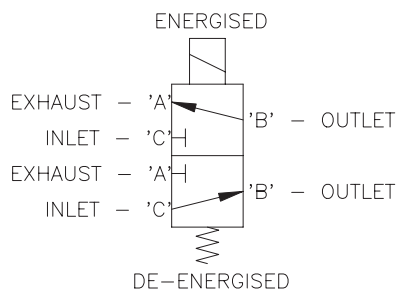
Pressures

Test (Proof) Pressure	<input type="checkbox"/> 310 bar (4500 PSI)
Maximum Inlet Pressure	<input type="checkbox"/> 207 Bar (3000 PSI)
ATEX Clasification	<input type="checkbox"/> Complies with ATEX Directive 94/9/EC
ATEX Certificate	<input type="checkbox"/> SIRA 00ATEX1147
Certification	<input type="checkbox"/> II 2G
	<input type="checkbox"/> EExd IIC T6 (T <sub>a</sub> = -60°C to + 48°C) or
	<input type="checkbox"/> EExd IIC T4 (T <sub>a</sub> = -60°C to + 90°C)
IECEX	<input type="checkbox"/> IECEX BAS 04.0019
	<input type="checkbox"/> EExd IIC T6 (T <sub>a</sub> = -40°C to + 60°C) or
	<input type="checkbox"/> EExd IIC T4 (T <sub>a</sub> = -40°C to + 90°C)
GOST 'K'	<input type="checkbox"/> EExd IIC T6 (T <sub>a</sub> = -40°C to + 60°C)
GOST 'R'	<input type="checkbox"/> EExd IIC T6 (T <sub>a</sub> = -40°C to + 60°C)
Safety Integrity Level	<input type="checkbox"/> Suitable for SIL 3 Application in Simplex Mode
	<input type="checkbox"/> Suitable for SIL 4 Application in Duplex Mode
Ingress Protection	<input type="checkbox"/> IP66/X8, NEMA 4X
Voltage Surge Protection	<input type="checkbox"/> Surge Suppression Diodes
Coil Insulation	<input type="checkbox"/> Class H
Performance	
Pull-in Voltage	<input type="checkbox"/> 87.5% of Nominal
Response Times	<input type="checkbox"/> Pull-In <150ms
	<input type="checkbox"/> Drop-Out <80ms
Electromagnetic Compability (EMC)	<input type="checkbox"/> EN50081-2/82-1

Valve Symbol



VALVE SYMBOL FOR  
ENERGISE TO OPEN  
(DE-ENERGISED TO CLOSE)  
(NORMALLY CLOSED)



VALVE SYMBOL FOR  
ENERGISE TO CLOSE  
(DE-ENERGISED TO OPEN)  
(NORMALLY OPEN)