SJS SERIES

Regulators - Pressure Reducing

DSJSX1904X012

Specifications
For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS
Pressure rating per criteria of ANSI/ASME B31.3

Maximum Inlet Pressure
500 psig / 34.5 bar

Maximum Reference Pressure
400 psig / 27.6 bar

Maximum Outlet Pressure - Bias and Reference
500 psig / 34.5 bar

Bias Pressure Range
0-100 psig / 0-6.9 bar

Design Outlet Proof Pressure
150% of maximum rated

Operating Temperature
-40°F to 165°F / -40°C to 74°C

Leakage
Internal: Bubble-tight
External: design to meet < 2 x 10⁻⁸ atm cc/sec He

Flow Capacity
Cv = 0.12

MEDIA CONTACT MATERIALS

Body
316 Stainless Steel

Seats
Pressure Reducing: PTFE
Backpressure: Polyimide (Vespel®)

Friction Sleeve
Inner: PTFE
Outer: 316 Stainless Steel

Diaphragms
Cobalt Chrome Nickel Alloy (Elgiloy®)

Remaining Parts
316 Stainless Steel

OTHER

Connections
1/4" NPTF inlet, outlet, and vent ports

Weight (without gauges)
2 lbs / 0.9 kg

TESCOM SJS Series is excellent for use on dual mechanical pump seal systems to help control fugitive emissions, prolong seal life, increase safety, and reduce seal maintenance costs. The SJS is commonly used with the 42MW Series instrument isolator.

Application
- Dual mechanical seal differential pressure control

Features and Benefits
- Maintains accurate differential pressure when incorporated into a double seal system
- Tracks upsets in system pressure and decreases downtime by increasing seal life
- NACE compatible version available: Modification number -01
- Available with optional 42MW Welded Diaphragm Instrument Isolator

Visit our website at emerson.com or contact us at (800) 447-1250
SJS SERIES

SJS Series Regulator Drawing

All dimensions are reference and nominal
Metric [millimeter] equivalents are in brackets

NOTE:

INCLUDED WITH FITTING OPTION
SJS Series Typical Application

NITROGEN ($N_2$)

INLET

OUTLET (TRACKING PRESSURE + BIAS)

TESCOM SJS SERIES REGULATOR

VENT

STUFFING BOX PRESSURE (TRACKING PRESSURE)

TESCOM 42MW INSTRUMENT ISOLATOR (OPTIONAL)

PRESSURIZED SEAL OIL POT

STUFFING BOX PRESSURE (TRACKING PRESSURE)

PROCESS SIDE

DOUBLE SEAL SYSTEM
**SJS SERIES**

**SJS Series Regulator Part Number Selector**

*Repair Kits, Accessories & Modifications may be available for this product. Please contact TESCOM for more information.*

Example for selecting a part number:

<table>
<thead>
<tr>
<th>S</th>
<th>J</th>
<th>S</th>
<th>6</th>
<th>5</th>
<th>V</th>
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<th>A</th>
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<th>FFF</th>
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</thead>
<tbody>
<tr>
<td><strong>BASIC</strong></td>
<td><strong>SERIES</strong></td>
<td><strong>TYPE</strong></td>
<td><strong>BODY MATERIAL</strong></td>
<td><strong>OUTLET PRESSURE</strong></td>
<td><strong>O-RING MATERIAL</strong></td>
<td><strong>DIAPHRAGM MATERIAL</strong></td>
<td><strong>SEAT MATERIAL</strong></td>
<td><strong>FITTINGS OPTION</strong></td>
<td><strong>PORTING</strong></td>
<td><strong>INLET, VENT, AND OUTLET PORT TYPE</strong></td>
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**FFKM, Perfluoroelastomer (Kalrez®)**