

## TESCOM SG Series



*Pressure control for your industry*

**TESCOM™**

  
**EMERSON™**  
Process Management

# Gain superior performance without compromise

What if you could get a superior performing regulator without sacrificing quality, reliability and unparalleled customer support, all at a great value?

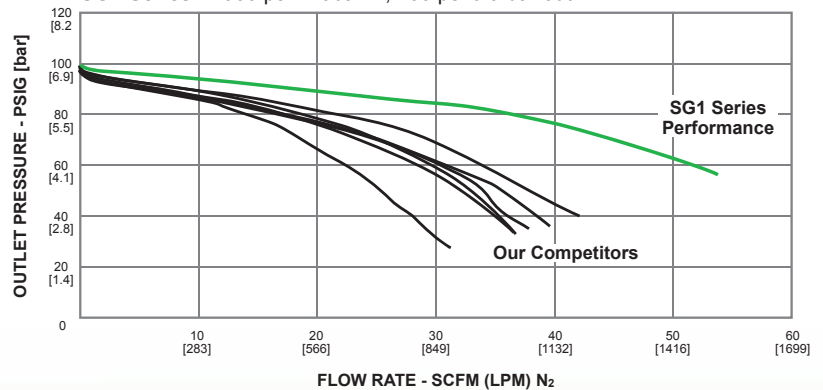
TESCOM™ SG Series accomplishes just that. We have put our same high standards of performance and quality into the SG Series that TESCOM customers have come to expect from all our regulators, valves and systems. Furthermore, we have made it easier to order and faster to deliver.



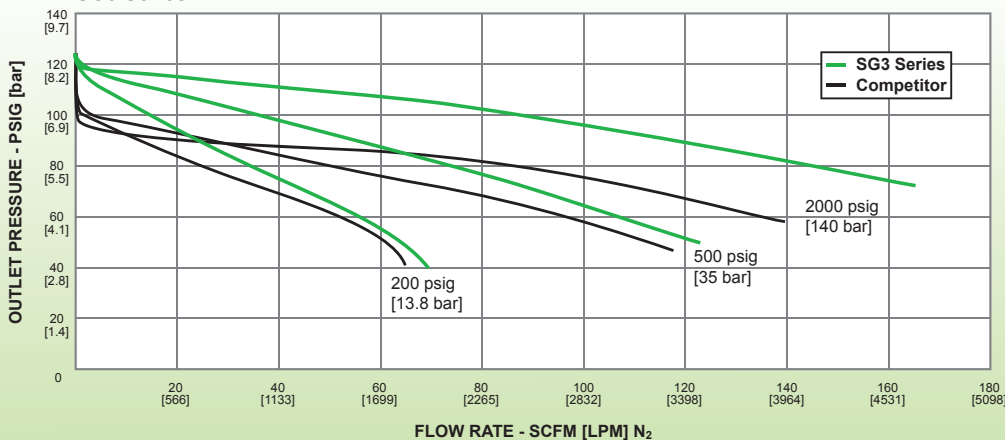
## The numbers tell the story

We flow tested our single-stage SG1 and SG3 regulators and compared them with similar competitor models. The results show TESCOM SG regulators have the highest usable flow and cycle life, exceeding stringent industry standards.

SG1 Series - 2000 psi/140bar in, 100 psi/6.9 bar out



SG3 Series



## What you gain with the SG Series



- Increased regulator endurance with 316 Stainless Steel or Neoprene diaphragm
- Longer service life - seat is protected from impurities with 10 micron filter
- Fast and easy maintenance provided by a simple cartridge valve design with integrated filter
- Less downtime due to high regulator cycle life
- Ease of ordering - configure regulator with accessories
- Faster delivery - most regulators and rebuild kits ship from stock



## Quality is our standard



SG Series regulators exceed leading worldwide industry standards including models meeting stringent oxygen service requirements. Taking these extra steps ensure the performance and reliability you can count on for your most critical process or analytical applications.

### Industry Standards/Approvals

- Oxygen cleaning in accordance with ASTM G93
- Passed the industry standards for oxygen ignition tests
- ASME B31 / ASME BPVC
- CGA E-4
- ISO 2503 / ISO 9090
- ISO 7291
- CRN

## Easy to order

SG Series regulators can be configured with accessories so you can use them right out of the box! Ordering an SG Series regulator is easy; one model number includes the regulator, gauges, cylinder adapter, relief valve and shut-off valve. Please reference our SG Series datasheets for more detailed information.



Regulator Series	Inlet Pressure (maximum)	Outlet Pressure	C <sub>v</sub>	Materials
<b>SG1</b> Single-stage Flows to 10 SCFM 1/4" NPTF Ports Cylinder and Line porting	4500 psig 310 bar	15, 25, 50, 125, 250 psig 1, 1.7, 3.4, 8.6, 17.2 bar	.06, .20	<ul style="list-style-type: none"> <li>• 316L SST &amp; Nickel-plated Brass body</li> <li>• 316L SST &amp; Neoprene Diaphragm</li> </ul>
<b>SG2</b> Two-stage Flows to 4 SCFM 1/4" NPTF Ports Cylinder and Line porting	4500 psig 310 bar	15, 25, 50, 125, 250 psig 1, 1.7, 3.4, 8.6, 17.2 bar	.06	<ul style="list-style-type: none"> <li>• 316L SST &amp; Nickel-plated Brass body</li> <li>• 316L SST &amp; Neoprene Diaphragm</li> </ul>
<b>SG3</b> Single-stage Flows to 150 SCFM 1/2" NPTF Ports Cylinder and Line porting	4500 psig 310 bar	15, 50, 125, 250 psig 1, 3.4, 8.6, 17.2 bar	1.0	<ul style="list-style-type: none"> <li>• 316L SST &amp; Nickel-plated Brass body</li> <li>• 316L SST &amp; Neoprene Diaphragm</li> </ul>

### Accessories Guide

<b>Cylinder Adapters</b>	Available as per CGA, DIN and BS standards
<b>Gauges</b>	2" psi/kpa or bar/psi scale
<b>Relief Valve</b>	1/4" NPTF pipe away outlet port
<b>Diaphragm Valve</b>	Multi-turn Brass or 316 Stainless Steel construction
<b>Metering Valve</b>	Multi-turn Brass or 316 Stainless Steel construction

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