

# SG-2 series

## Two-stage (TESCOM)

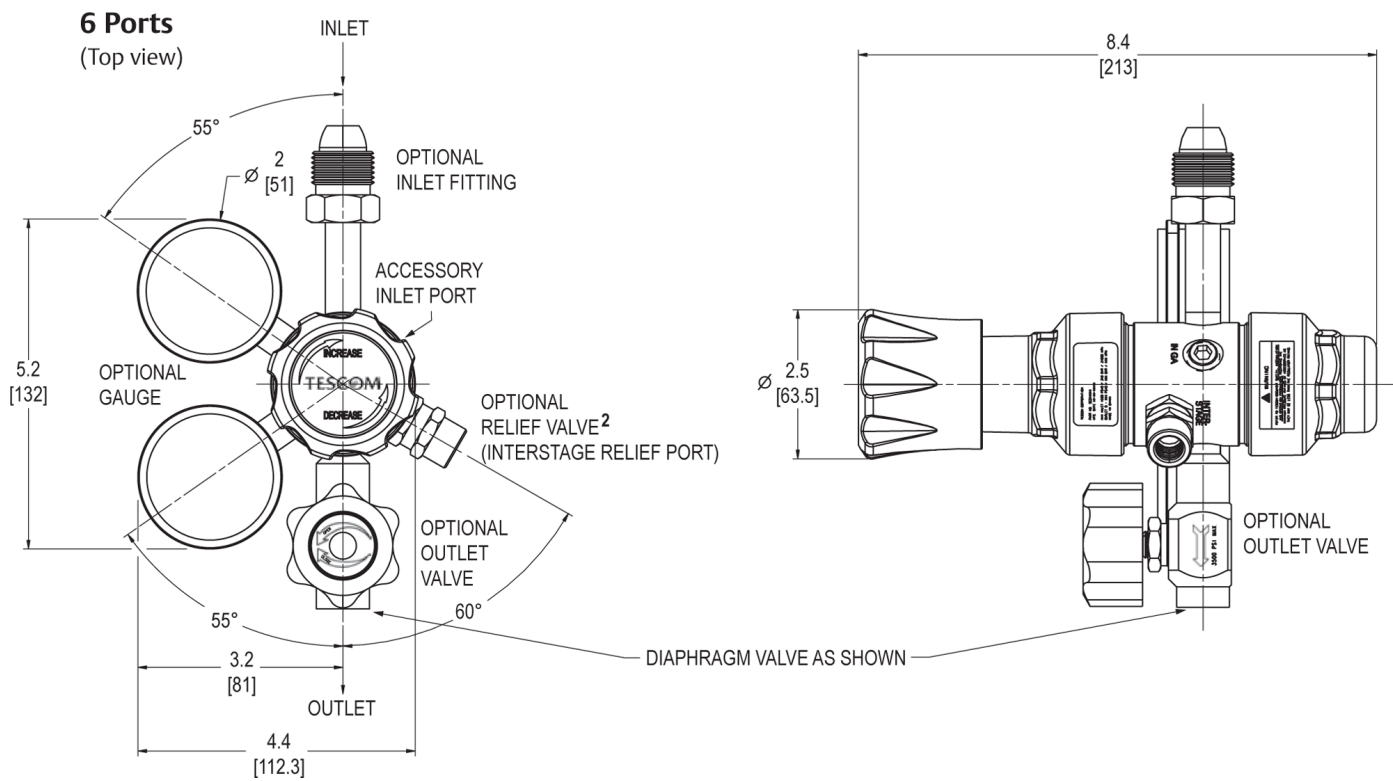


### SPEC.

공급 압력		Max. 4,500PSI
토출 압력		15,25,50,125,250 PSI
크기		132mm*128mm*152mm
재질	body	316 SS or BRASS (Nickel)
	Diaphragm	316 SS or Neoprene
	seat	PCTFE or Ployimide
사용	22R	N2, Ar, He, Air, CO2
가스&	22L	H2
연결부	23R	O2
무게		1.8Kg

- SG-2 시리즈의 제품은 2단 실린더 레귤레이터로 월등한 성능과 안정성을 보장합니다.
- 중요한 프로세스 또는 분석 응용 프로그램에 적용하여 최상의 성능을 발휘합니다.
- SG-2 시리즈는 다음과 같은 산업 표준/승인을 획득하였습니다.
- Oxygen cleaning in accordance with ASTM G93
- Passed the industry standards for oxygen ignition tests
- ASME B31 / ASME BPVC
- CGA 4.1 and ASTM G93
- ISO 2503 / ISO 9090
- ISO 7291
- CRN

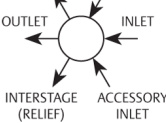
## SG2 Series Regulator Drawing



## SG2 Series Regulator Part Number Selector

### Base Model

Example for selecting a part number:

SG2	6	3	1		0	0	[Blank]
BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGES	DIAPHRAGM MATERIAL	SEAL MATERIAL	PORTS (TOP VIEW)	C <sub>v</sub>	SEAT MATERIAL
SG2	P – Nickel-Plated Brass 6 – 316L Stainless Steel	1 – 15 psig / 103 kPa / 1.0 bar 2 – 25 psig / 172 kPa / 1.7 bar 3 – 50 psig / 345 kPa / 3.4 bar 4 – 125 psig / 862 kPa / 8.6 bar 5 – 250 psig / 1724 kPa / 17.2 bar	1 – 316L Stainless Steel 2 – Neoprene	Teflon® Buna-N	0 – 6 Port 	0 – 0.06	[Blank] – PCTFE V – Polyimide <sup>1</sup>

1. Per ASTM D 6456-99 Type II Class 1M (Meldin® 7021 or Vespel® SP-21)

### Accessories

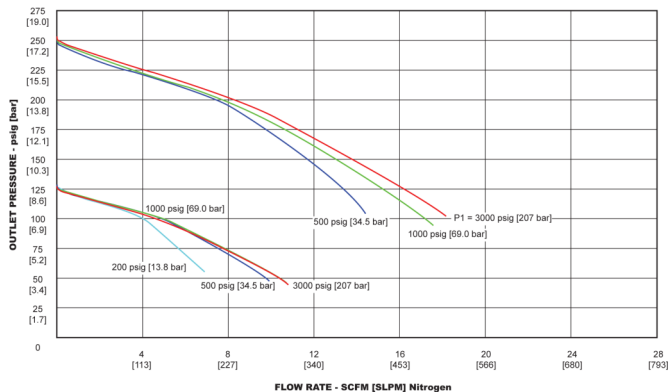
Extension to base model part number:

SG2XXXXXX	06	A	1	A
BASE MODEL NUMBER	CYLINDER CONNECTIONS	GAUGES <sup>3</sup>	RELIEF VALVE <sup>2</sup>	OUTLET VALVE
	00 – None 01 – CGA 296 02 – CGA 350 C1 – CGA 510 03 – CGA 540 04 – CGA 580 05 – CGA 590 C2 – CGA 660 06 – DIN 477-1.1 07 – DIN 477-1.3 08 – DIN 477-1.5 09 – DIN 477-1.6 10 – DIN 477-1.7 11 – DIN 477-1.8 12 – DIN 477-1.9 13 – DIN 477-1.10 14 – DIN 477-1.14 15 – DIN 477-5.54 16 – DIN 477-5.57 17 – DIN 477-5.59 18 – BS 341 (2002) #01 19 – BS 341 (2002) #02 20 – BS 341 (2002) #03 21 – BS 341 (2002) #04 23 – BS 341 (2002) #06 24 – BS 341 (2002) #07 25 – BS 341 (2002) #08 27 – BS 341 (2002) #10 28 – BS 341 (2002) #11 30 – BS 341 (2002) #13 31 – BS 341 (2002) #14 32 – BS 341 (2002) #15	0 – None P – Plug(s) A – psi / kPa B – bar / psi	A – None P – Plug 1 – Teflon® Pipe-away	0 – None A – Diaphragm Valve B – Needle Valve
Note: Cylinder connections are available in all world areas.				
2. The relief valve is not intended to be a "Pressure Relief Device" as defined by ASME Boiler & Pressure Vessel Code - Section VIII, nor is it intended to be a "Safety Accessory" or "Pressure Limiting Device" as defined by the Pressure Equipment Directive (97/23/EC). The relief valve is intended to indicate a potential problem with the regulator and prevent further damage to the regulator. The relief valve is not intended to protect the downstream process equipment.				
<b><sup>3</sup>GAUGE PRESSURE RANGES</b>				
<b>OUTLET PRESSURE RANGE</b>		<b>OUTLET GAUGE PRESSURE RANGE</b>		
SG2X1XXXX – 15 psig / 103 kPa / 1.0 bar		0-30 psig / 200 kPa / 2 bar		
SG2X2XXXX – 25 psig / 172 kPa / 1.7 bar		0-30 psig / 200 kPa / 2 bar		
SG2X3XXXX – 50 psig / 345 kPa / 3.4 bar		0-60 psig / 400 kPa / 4 bar		
SG2X4XXXX – 125 psig / 862 kPa / 8.6 bar		0-160 psig / 1100 kPa / 11 bar		
SG2X5XXXX – 250 psig / 1724 kPa / 17.2 bar		0-300 psig / 2000 kPa / 20 bar		
<b>INLET PRESSURE RANGE</b>		<b>INLET GAUGE PRESSURE RANGE</b>		
All		6000 psig / 41,000 kPa / 400 bar		

SG2 Series Regulator Flow Charts

$C_v = 0.06$  Model

Metal Diaphragm



$C_v = 0.06$  Model

Neoprene Diaphragm

