

For Continuous Gas Flow
ACS012, CS2200, ACS3200, CR441800

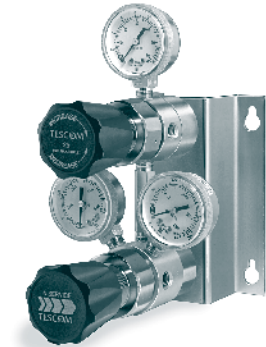
Changeover Systems



ACS012

Low Flow Changeover Regulator

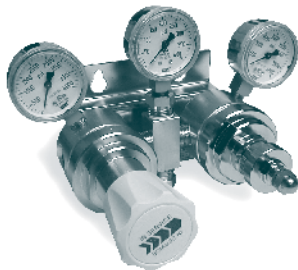
- Maximum inlet pressure: 400 or 3500 PSIG
- Four delivery pressures from 100 to 250 PSIG
- Designed to provide a continuous flow of gas for applications requiring stored gas supplies
- Available in 316 Stainless Steel or brass
- Mounting bracket standard



CS2200

Low Flow Changeover Regulator With Line Regulator

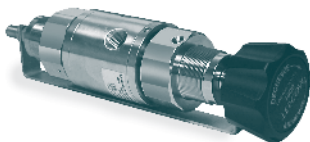
- Maximum inlet pressure: 3500 PSIG
- Four maximum delivery pressures from 25 to 150 PSIG
- Designed to provide a continuous flow of gas for applications requiring stored gas supplies
- Available in 316 Stainless Steel or brass
- Mounting bracket standard



ACS3200

High Flow Changeover Regulator

- Maximum inlet pressure: 3000 PSIG
- Delivery pressure: 160/200 PSIG
- Available in 316 Stainless Steel or brass
- Based on Tescom's field-proven 44-3200 Regulator
- Mounting bracket standard

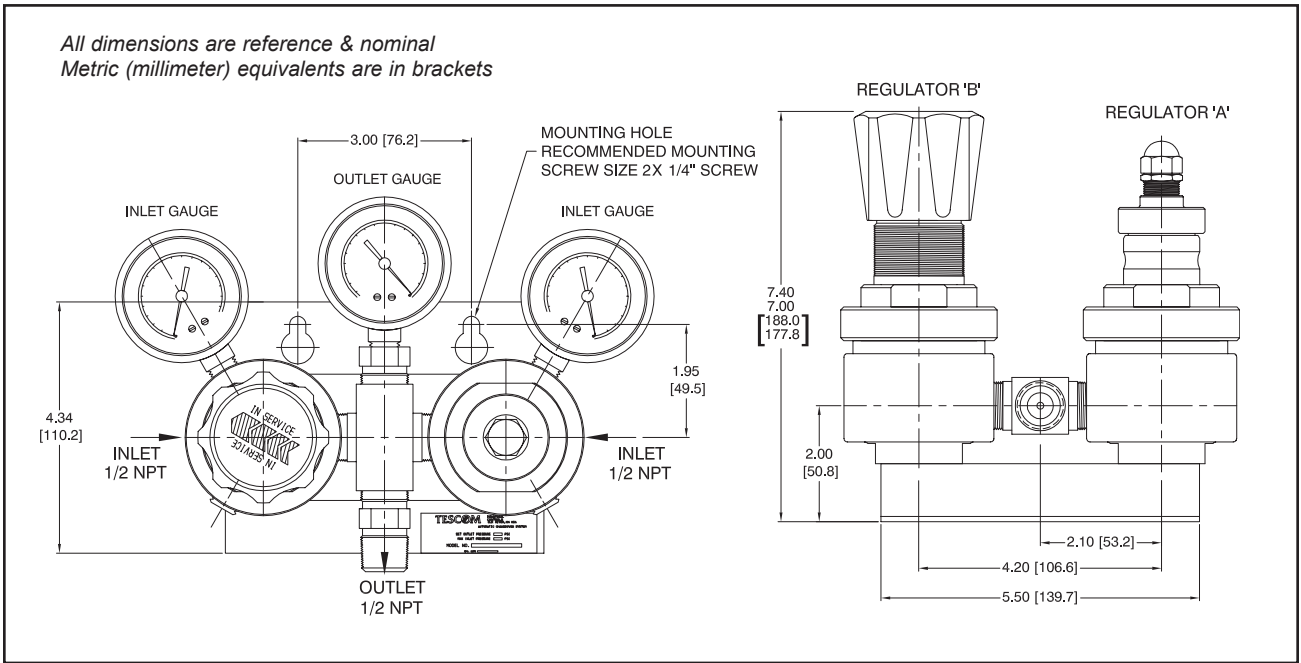


CR441800

High Pressure Changeover Regulator

- Maximum inlet pressure: 3500 or 6000 PSIG
- Seven maximum delivery pressures from 500 to 2000 PSIG
- Designed to provide a continuous flow of gas for applications requiring stored gas supplies
- Available in 316 Stainless Steel or brass
- Based on Tescom's field-proven 44-1800 Regulator

ACS3200 Series Changeover Systems (High Flow)



ACS3200 Specifications

Operating Parameters

pressure rating per criteria of ANSI/ASME B31.3
 maximum rated inlet pressure 3000 PSIG
 outlet pressure 160 - 200 PSIG
 design proof pressure . . . 150% of maximum operating
 leak rate internal: bubble-tight
 external: designed to meet $\leq 2 \times 10^{-8}$ atm cc/sec He
 operating temperature -40° F to $+165^{\circ}$ F
 (-40° C to $+74^{\circ}$ C)
 flow capacity $C_V = 1.2$

Media Contact Materials

body 316 Stainless Steel or brass
 bonnet Nickel-plated brass
 valve seat PCTFE
 valve o-ring FKM
 diaphragm 316 Stainless Steel
 spring 316 Stainless Steel
 remaining parts 316 Stainless Steel

Gauges (3 standard) . . 316 SST gauges with SST regulators, brass gauges with brass regulators

Cleaning CGA 4.1 and ASTM G93

Weight 10 lbs. (4.95 kg)

Pressure Conversion 14.5 PSIG = 1 bar 145 PSIG = 1 MPa

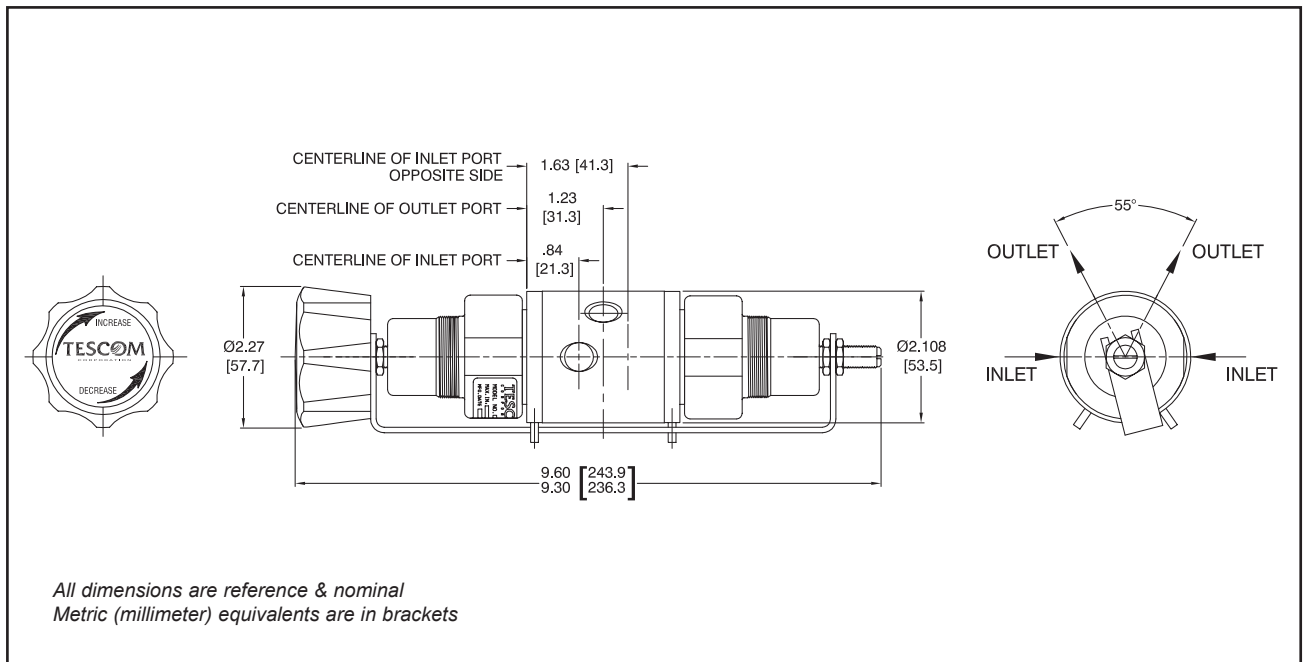
Part Number Selector

example part number:

ACS32 1 4 1 1

BASIC SERIES	BODY AND TRIM	OUTLET PRESSURE	GAUGE OPTION	MAXIMUM INLET PRESSURE
ACS32	1 - Brass 6 - 316 Stainless Steel	4 - 160/200 PSIG (optional 400 PSIG gauge)	0 - No gauges installed 1 - Gauges installed	1 - 3000 PSIG (optional 4000 PSIG gauge)

CR441800 Series Changeover Systems (High Pressure)



CR441800 Specifications

Operating Parameters

pressure rating per criteria of ANSI/ASME B31.3
 maximum rated inlet pressure . . . 3500 or 6000 PSIG
 maximum outlet pressure ranges 475/525,
 575/625, 675/725, 775/825, 875/925, 975/1025,
 1975/2025 PSIG
 design proof pressure . . . 150% of maximum operating
 leak rate bubble-tight
 operating temperature -15° F to +165° F
 (-26° C to +74° C)
 flow capacity $C_V = .06$

Media Contact Materials

body brass, 316 Stainless Steel or
 nickel plated brass
 bonnet 300 Series Stainless Steel, brass or
 nickel-plated brass
 valve seat Vespel®
 o-ring FKM
 remaining parts . . . brass & 300 Series Stainless Steel

Cleaning CGA 4.1 and ASTM G93

Weight 3 lbs. (1.36 kg)

Pressure Conversion 14.5 PSIG = 1 bar 145 PSIG = 1 MPa

Part Number Selector

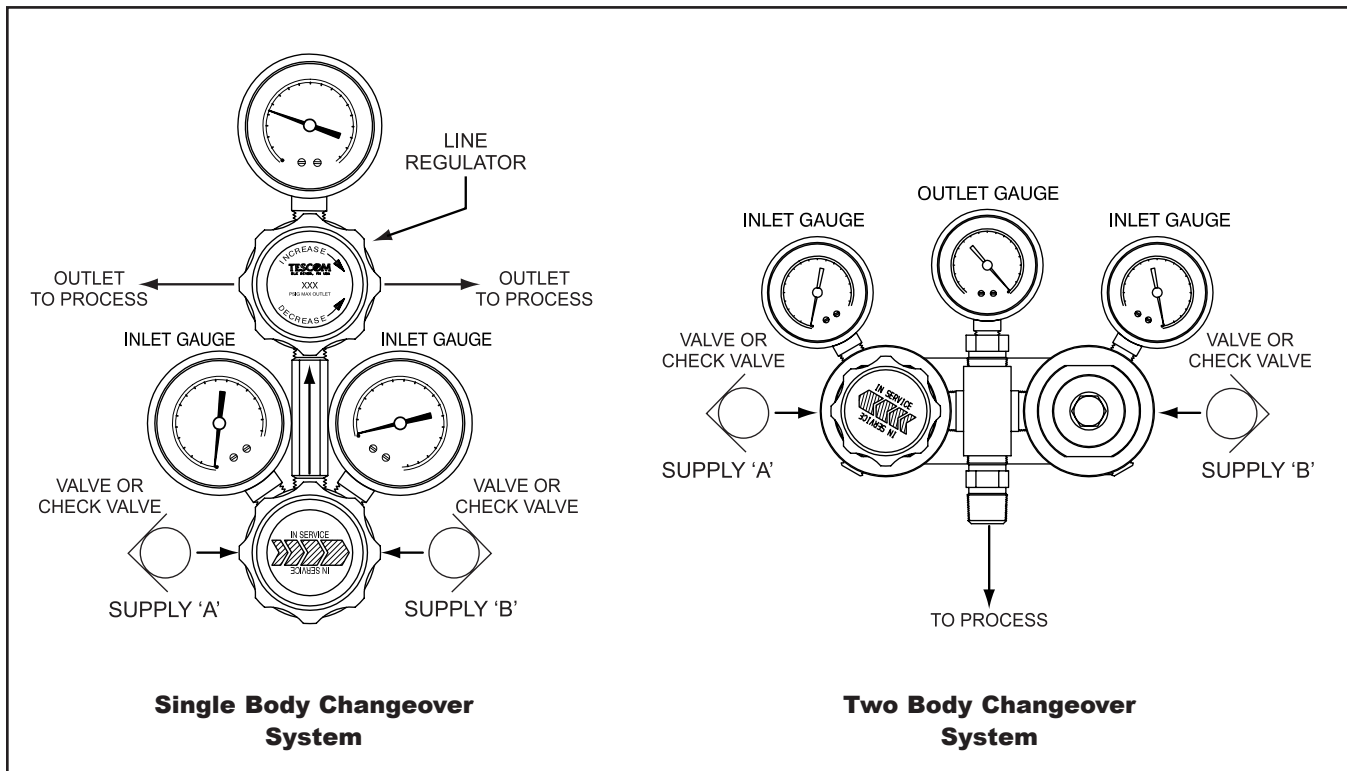
example part number:

CR4418 6 2 - 2 4 1

BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGES	IN & OUT PORT TYPE	IN & OUT PORT SIZE	MAXIMUM INLET PRESSURE
CR4418	1 – Brass 6 – 316 Stainless Steel P – Nickel Plated Brass	1 – 475/525 PSIG 2 – 575/625 PSIG 3 – 675/725 PSIG 4 – 775/825 PSIG 5 – 875/925 PSIG 6 – 975/1025 PSIG 7 – 1975/2025 PSIG	2 – NPT	4 – 1/4"	1 – 3500 PSIG 3 – 6000 PSIG

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Basic Functional Description Changeover Systems



When primary supply to the changeover regulator (supply 'A') is consumed, the secondary supply (supply 'B') feeds the line regulator and/or process. The line regulator supplies media to the process at the precise pressure required. By turning the changeover regulator handknob clockwise, supply

'A' can then be replenished. When supply 'B' is depleted, supply 'A' will then begin to feed the line regulator and/or process. With a counterclockwise turn of the changeover regulator handknob, supply 'B' can be replenished.



WARNING! Do not attempt to select, install, use or maintain this product until you have read and fully understood the **TESCOM Safety, Installation & Operation Precautions.**

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