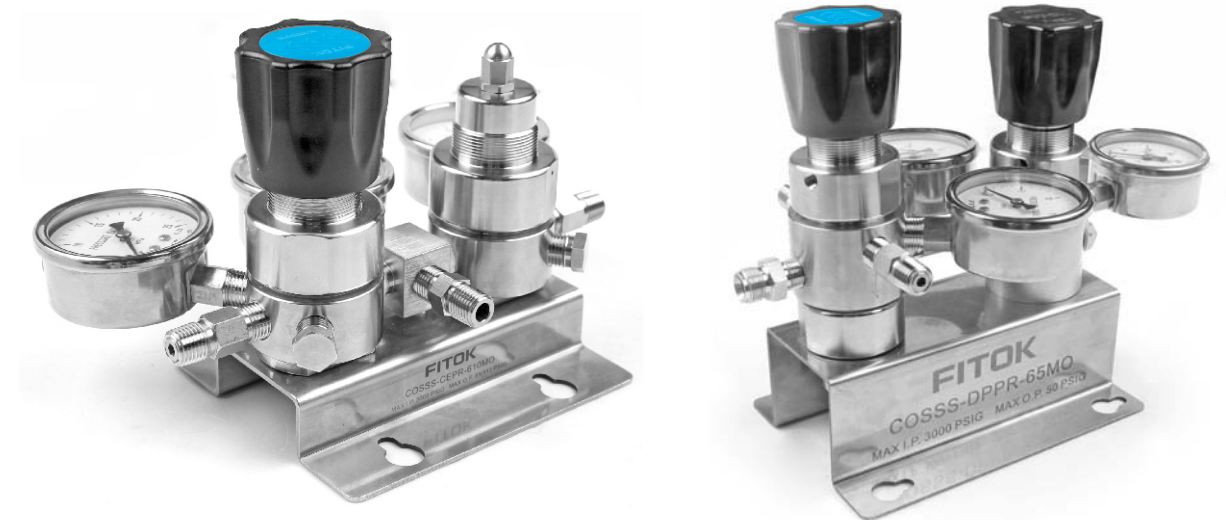


Changeover System

CEPR, DPPR Series



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Changeover System

CEPR Series

CEPR series is a low flow changeover system, applied to continuous flow of gases in two sides panels. When one cylinder is consumed, the selector regulator automatically switches the gas feed to the other cylinder side.



Features

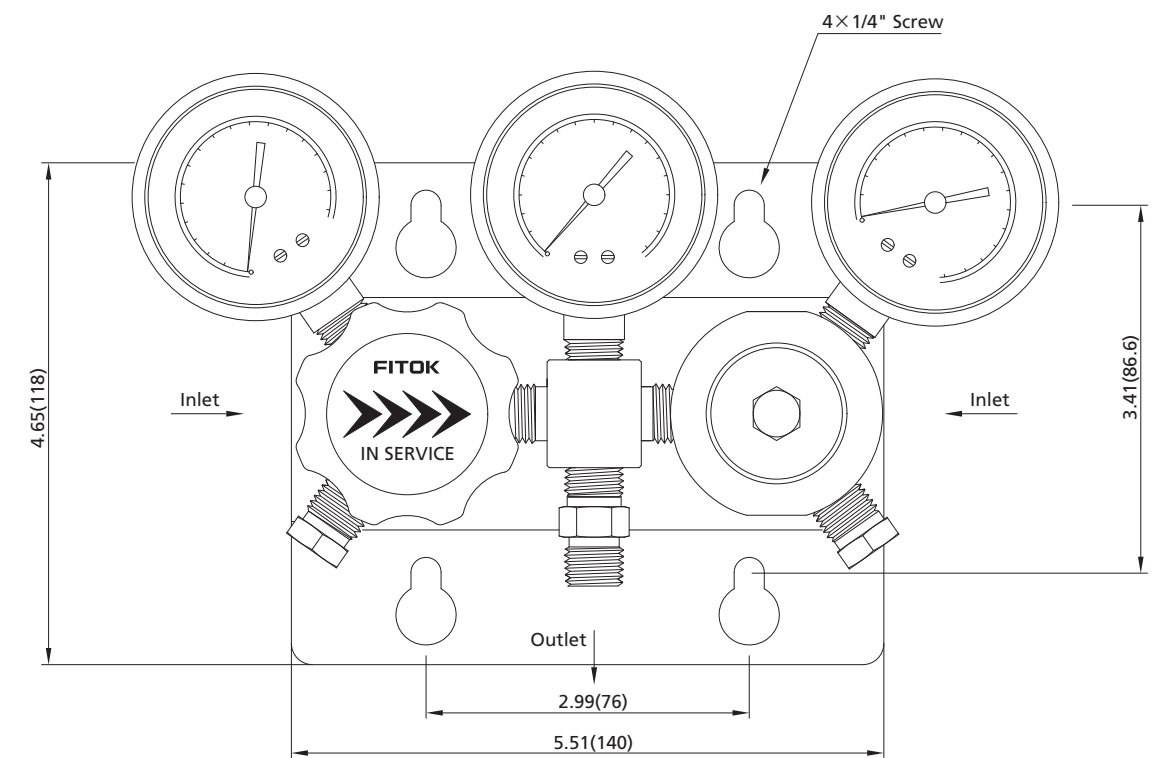
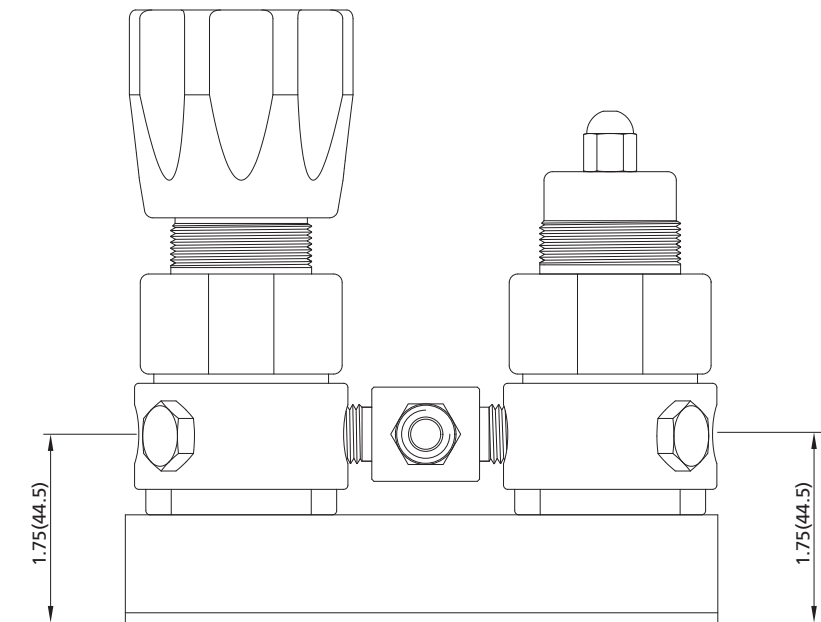
- ⦿ Maximum inlet pressure 3000 psig
- ⦿ Four outlet pressures from 100 to 250 psig
- ⦿ Based on FITOK's PR series regulator
- ⦿ Mounting bracket standard

Technical Data

- ⦿ Maximum inlet pressure: 3000 psig
- ⦿ Outlet pressure ranges: 85~115, 135~165, 185~215, 235~265 psig
- ⦿ Flow coefficient (Cv): 0.06
- ⦿ Working Temperature: -40°F~+165°F (-40°C~+74°C)
- ⦿ Leak rate:
 - Internal: Bubble-tight
 - External: $\leq 2 \times 10^{-8}$ atm · cc/sec He
- ⦿ Weight: ≈ 5.07 lbs (2.3 KG)
- ⦿ Ports: Inlet, Outlet, Gauge ports—1/4" Female NPT

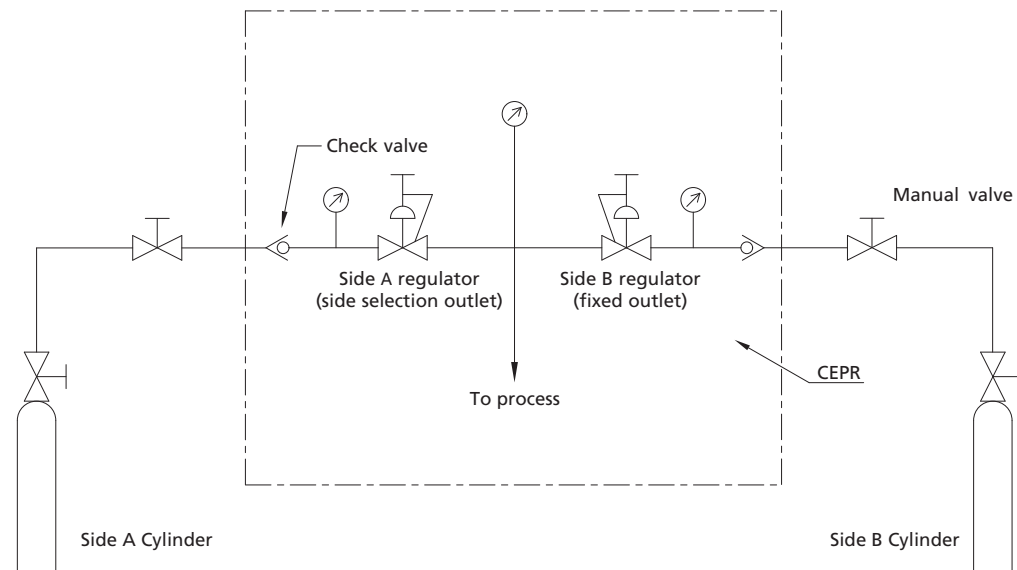
Dimensions

Dimensions, in. (mm), are for reference only and are subject to change.

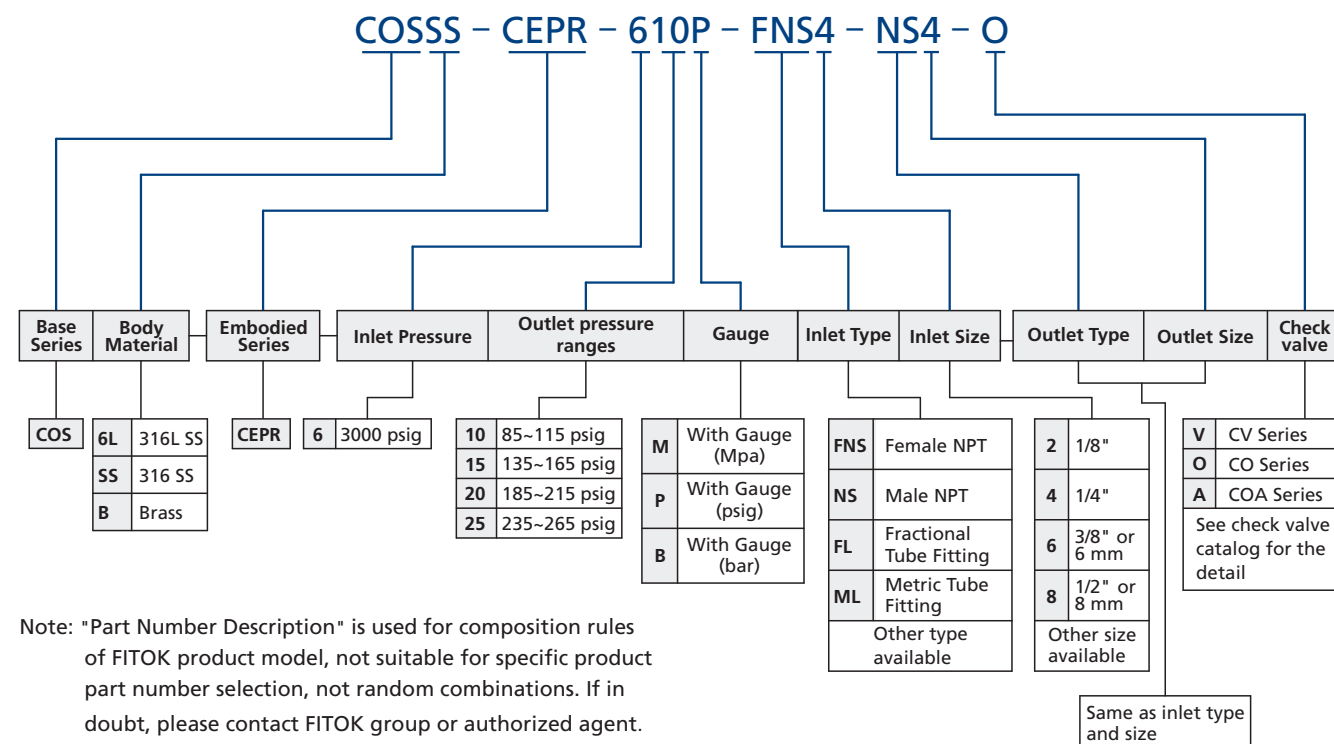


Operation Overview

The CEPR series changeover system consists of two separate regulators. The two regulators are respectively attached to separate source cylinders. One of the regulators has an adjusting handle which can swivel to enable source side selection. The other regulator is preset to an appropriate setting for the system outlet range. The source selection handle adjusts the outlet pressure to be either above or below the preset side. An arrow on the selection handle points to the cylinder side delivering gas and away from the standby cylinder. When one supply drops below the changeover pressure, the selector regulator automatically switches the gas feed from the depleted supply to an alternate supply.



Part Number Description



DPPR Series

DPPR series is a low flow changeover system, applied to continuous flow of gases in two sides panels. When one cylinder is consumed, the selector regulator automatically switches the gas feed to the other cylinder side.



Features

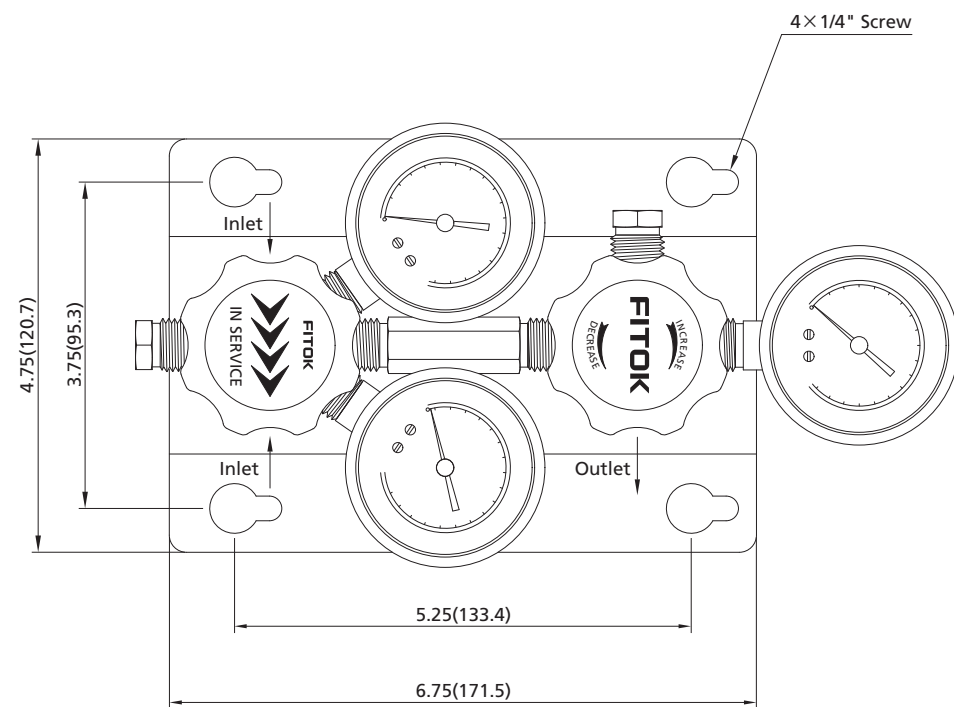
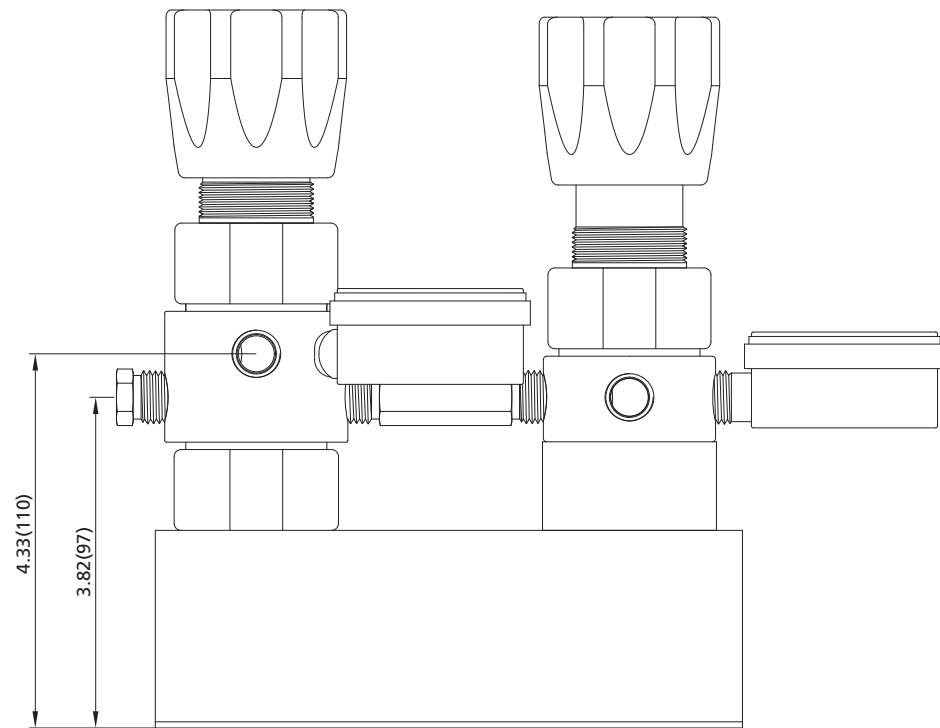
- Maximum inlet pressure 3000 psig
- Four outlet pressures from 25 to 150 psig
- Based on FITOK's PR series regulator
- Mounting bracket standard

Technical Data

- Maximum inlet pressure: 3000 psig
- Outlet pressure ranges: 0~25, 0~50, 0~100, 0~150 psig
- Flow coefficient (Cv): 0.06
- Working temperature: -40°F~+165°F (-40°C~+74°C)
- Leak rate:
 - Internal: Bubble-tight
 - External: $\leq 2 \times 10^{-8}$ atm · cc/sec He
- Weight: ≈ 5 lbs (2.3 KG)
- Ports: Inlet, Outlet, Gauge ports—1/4" Female NPT

Dimensions

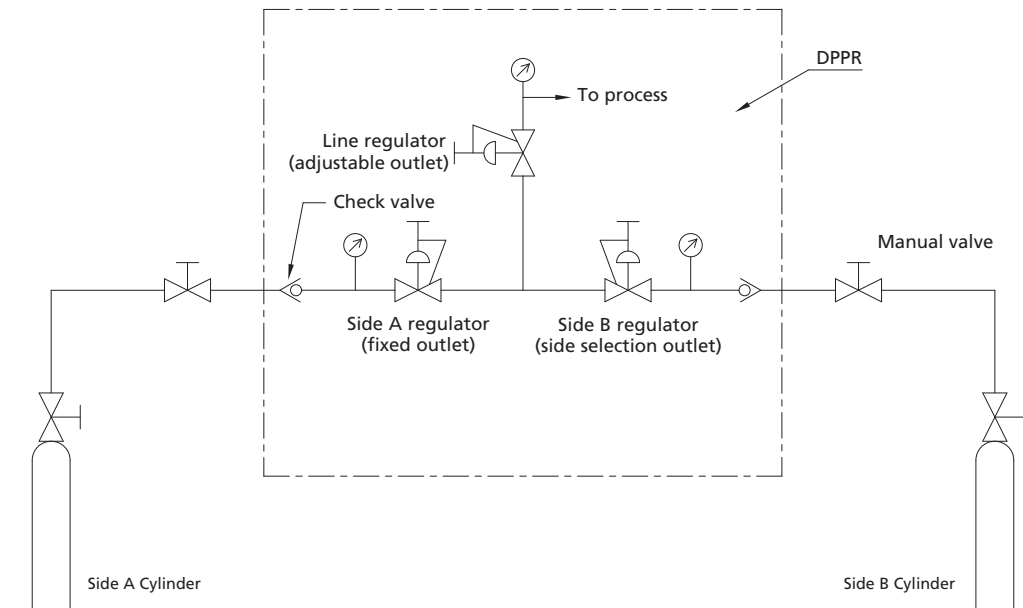
Dimensions, in. (mm), are for reference only and are subject to change.



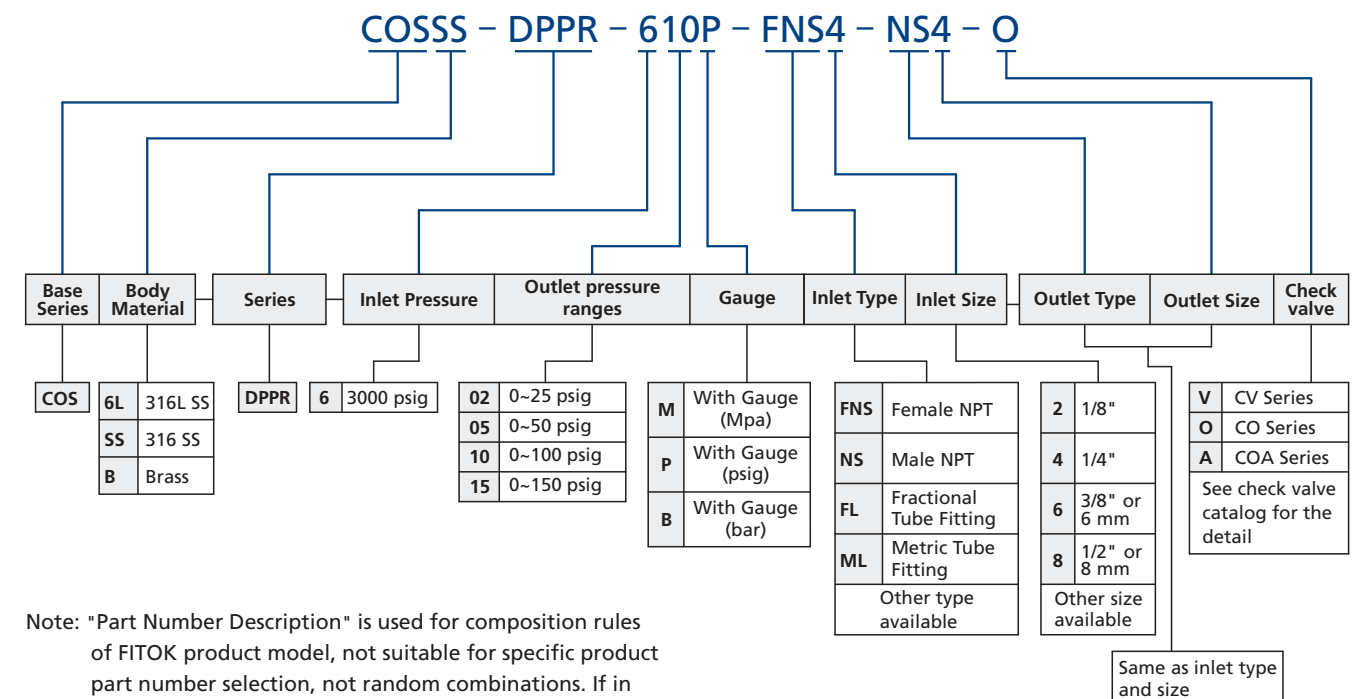
Operation Overview

DPPR series changeover system is composed of three pressure regulators, housing two changeover regulators in a single body and a secondary outlet regulator. The two first stage regulators are each attached to separate source cylinders. The second stage is attached to a common outlet of the two first stage regulators. Gas will flow only from the primary cylinder, which will be indicated by the "In Service" arrow located on the hand knob. The secondary side will remain closed. When the gas in the primary cylinder has been exhausted, the regulator will automatically switch to the standby cylinder.

The intermediate outlet pressure of the first stage delivery side is approximately 1 bar higher than the standby cylinder. Turning the handle to point to the standby side, changes the pressure differential such that the standby side now becomes the delivery side. The process delivery pressure outlet is adjusted with the handle of the second stage regulator.



Part Number Description



Note: "Part Number Description" is used for composition rules of FITOK product model, not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK group or authorized agent.