

532 SERIES CHECK VALVES



The 532 Series check valves are designed for use in high purity gas systems as protection against reverse flow in sensitive operations. Most commonly, these controls are found in services associated with cylinder gases, low pressure gases, in switchover systems, and in manifold systems. CONCOA's 532 Series high purity check valves are intended for use in high purity gas systems where containment, cleanliness, and purity are of utmost importance.

Typical Applications

- Point-of-use Gas Panels and Regulators
- Gas Shutoff and Isolation at Workstations
- Distribution Lines for High Purity Gases
- Semiconductor Manufacturing
- Biotech and Pharmaceutical Production



5323922 and 5323924 shown

Features

Poppet and Spring Design prevents backflow

Compact One Piece Construction minimizes particle generation

Variety of End Connections facilitate a broad range of gases and applications

Cleanroom Assembly eliminates contamination at installation

Materials and Specifications

Max Working Pressure: 3000 PSIG (210 BAR)

Flow Rate: 47 LPM (99.6 SCFH) @ 10 PSIG (0.7 BAR) air

Cracking Pressure: 1 PSIG (0.07 BAR)

Spring: 302 stainless steel

Conformances: Cleanliness meets or exceeds CGA G-4.1; CRN OC12577.5C

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Ordering Information

Part No.	Description	Inlet/Outlet Connections
5323824*	316 Stainless Steel Barstock Body and Fittings; FKM Seals; Temperature Rating -10°F to 375°F (-23°C to 191°C); Cv 0.35	1/4" FNPT x 1/4" FNPT
5323834	316 Stainless Steel Barstock Body and Fittings; Ethylene Propylene Seals; Temperature Rating -50°F to 300°F (-45°C to 149°C); Cv 0.35	1/4" MNPT x 1/4" FNPT
5323842*	Brass Barstock Body and Fittings; FKM Seals; Temperature Rating -10°F to 375°F (-23°C to 191°C); Cv 0.35	1/4" MNPT x 1/4" FNPT
5323844*	316 Stainless Steel Barstock Body and Fittings; FKM Seals; Temperature Rating -10°F to 375°F (-23°C to 191°C); Cv 0.35	1/4" MNPT x 1/4" FNPT
5323845*	Chrome-plated Brass Body and Fittings; FKM Seals; Temperature Rating -10°F to 375°F (-23°C to 191°C); Cv 0.35	1/4" MNPT x 1/4" FNPT
5323922*	Brass Barstock Body and Fittings; FKM Seals; Temperature Rating -10°F to 375°F (-23°C to 191°C); Cv 0.35	1/4" FNPT x 1/4" FNPT
5323924	316 Stainless Steel Barstock Body and Fittings; Ethylene Propylene Seals; Temperature Rating -50°F to 300°F (-45°C to 149°C); Cv 0.35	1/4" FNPT x 1/4" FNPT
5323938	Brass Barstock Barstock Body and Fittings; Buna N Seals; Temperature Rating -10°F to 250°F (-23°C to 121°C); Cv 1.2	1/2" MNPT x 1/2" FNPT

****Relief valves with FKM seals not for use with CO₂, N₂O, or Ammonia gas service***