CBG Series Check Valves

Engineered specifically for liquid fuel, water injection, and purge air services on dual fuel combustion turbines.

Problems with check valve failures during Fuel transfers?

Demand Parker!

Our CBG Series Check Valves have been engineered to solve fuel transfer problems long associated with dual fuel turbines. Our 20-year track record over numerous installations has conclusively shown that CBG Series Check Valve seat technology provides reliable and consistent ZERO seat leakage in demanding turbine check valve applications including liquid fuel, water injection, and purge air.

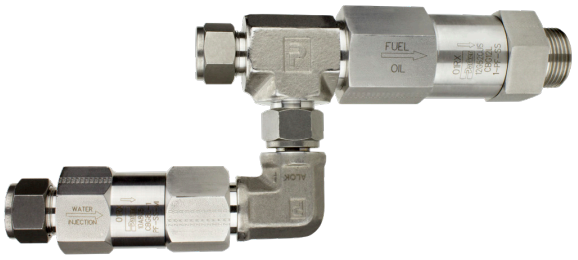
Parker

ENGINEERING YOUR SUCCESS.

Features	Benefits
Patented CBG-Series seat design technology	Reliable and consistent bubble tight seal capable of temperatures up to 500ºF
PTFE coated poppet	Smooth and reliable operation with lower crack pressure applications
Designed for typical turbine flow rates of fuel, water and air	Optimizes performance of the check valve on the turbine
Precision outlet orifice	Improves flow consistency and accuracy to reduce temperature spreads
Available with OEM standard inlet/outlet connections and overall lengths.	Drop-in replacement for most turbine models
Custom design development capability for specific OEM applications	For mods and upgrades on existing or new system designs

Product Configuration

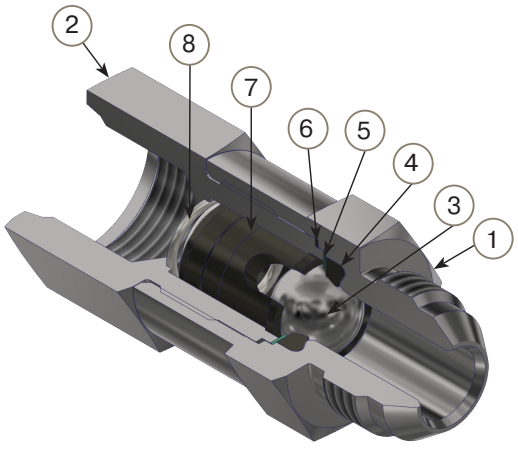
Parker Instrumentation Products Division has significant connection fitting expertise. We offer virtually any end connection to meet your requirements including **CPI™/A-LOK®** compression, JIC, SAE straight thread o-ring ports and zero-clearance **Seal-Lok™** face seal fittings. Parker can also supply flexible metal hose to simplify maintenance. We can work with your team to reduce the number of fittings and potential leak paths with custom check valve assemblies designed for your specific requirements. We welcome customized designs.



Valve Size	End Connection Size Range	Recommended Liquid Flow Range
CBG4 (1/4")	1/4" - 1/2"	1-6 gpm
CBG8 (1/2")	1/2" - 3/4"	4-20 gpm
CBG12 (3/4")	3/4" - 1"	10-35 gpm
CBG16 (1")	1" - 1-1/4"	20-50 gpm

Supporting a wide range of turbine frame sizes including:

SGT6-3000E (D5A), SGT6-5000F (501F), SGT5-8000H, & SGT6-8000H and HL, 5, 6B, 7E, 7EA, 7F, 9F, 9B, 9E, 9F as well as numerous IGT's and Aero-Derivatives



Materials of Construction

Item	Description	Material
1	Cap	316 Stainless Steel
2	Body	316 Stainless Steel
3	Ball	316 Stainless Steel
4	Seat	Parkerfill or Parker Carbon Reinforced PTFE Copolymer
5	Seat Washer	316 Stainless Steel
6	Body Gasket	Grafoil®
7	Ball Cage	316 Stainless Steel
8	Crack Spring	Inconel or 316 Stainless Steel

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