



FASTEST[®]



Compressed Gas Connection Tools

Instant one-handed connections to
improve flow and process more fill
cycles.

fastestinc.com/gas



FASTEST[®]

Global Leader in Industrial Sealing Connection Technology

Compressed Gas | Vehicle Systems | HVAC-R | Medical Life Science | Aerospace

At FasTest, our mission is to reduce our customer's manufacturing costs, improve safety and increase productivity at Fill Plants.

FasTest Compressed Gas Connection Tools offer a "No Twist, No Turn" approach to cylinder filling. Under pressure, a secure, leak-tight seal is established with our patented safety locking mechanism. Gain a competitive advantage through ergonomic efficiency and increased productivity, resulting in greater profitability. Our connectors will improve your cylinder filling performance, whether it is one cylinder at a time, inverted rack filling, or palletized cylinder filling.

As an industry leader of Sealing and Connection Technologies, FasTest offers standard products for many valve standards, and a dedicated team of Custom Design Experts to engineer optimized solutions for demanding applications. Connect safely, seal reliably, fill fast.

Applications

PALETTIZED
FILL HEADS

INDUSTRIAL
FILL RACKS

MEDICAL
OXYGEN RACKS

SPECIALTY
GAS FILLING
SYSTEMS



BROAD OFFERING

Extensive standard and Custom Engineered Solutions.



INTELLIGENT TOOLS

Sensing & data generation tools that support process automation.



APPLICATION EXPERTS

Optimized solutions, tailored to your unique needs.



GLOBAL SUPPORT

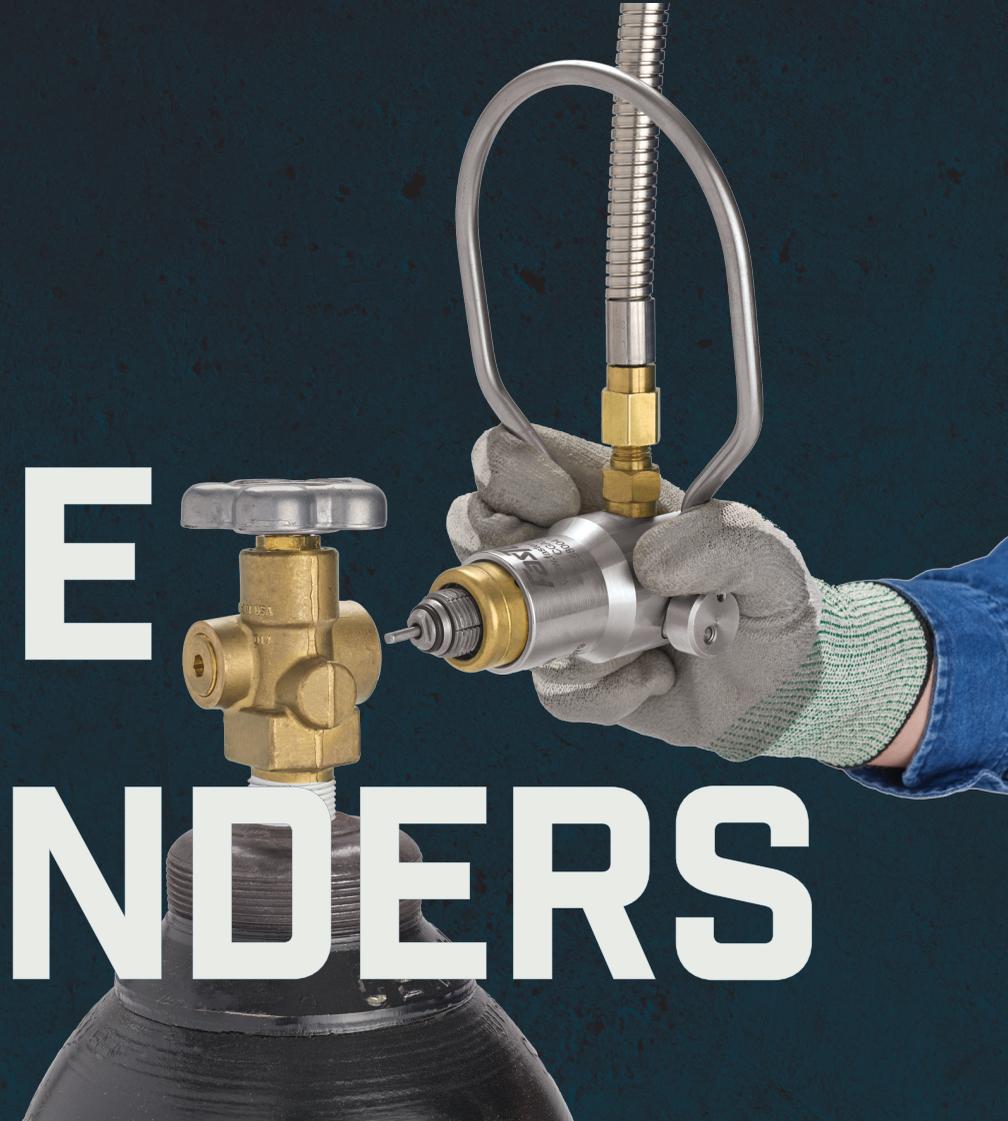
Global distribution network provides local, responsive support.



SUPERIOR QUALITY

ISO 9001 Certified; Robust tools improve the quality of your product.

FILL MORE CYLINDERS



Produce More Cylinders

FasTest® Connection Tools enable Fill Plants to improve flow and process more fill cycles per day, generating significant revenue in return.



Reduce Repetitive Motion Injuries

Easy-to-use one hand operation, eliminate the painful twisting motions of standard fittings.



Safely Connect in Seconds

FasTest's ergonomic tools instantly attach to cylinder valves in a smooth one handed motion. Easily achieve a 90% time savings while securing pigtails to the cylinder.



Safety First

Multiple safety features are included in every tool, including pressure assisted sealing technology.



48 hr Lead Time

Many products ship within 48 hours to maintain uptime of all fill points.



ROI in Months, Not Years

Connection Tools pay for themselves multiple times over throughout their lifecycle.

PALETTIZED FILL HEADS



INDUSTRIAL FILL RACKS



MEDICAL OXYGEN RACKS

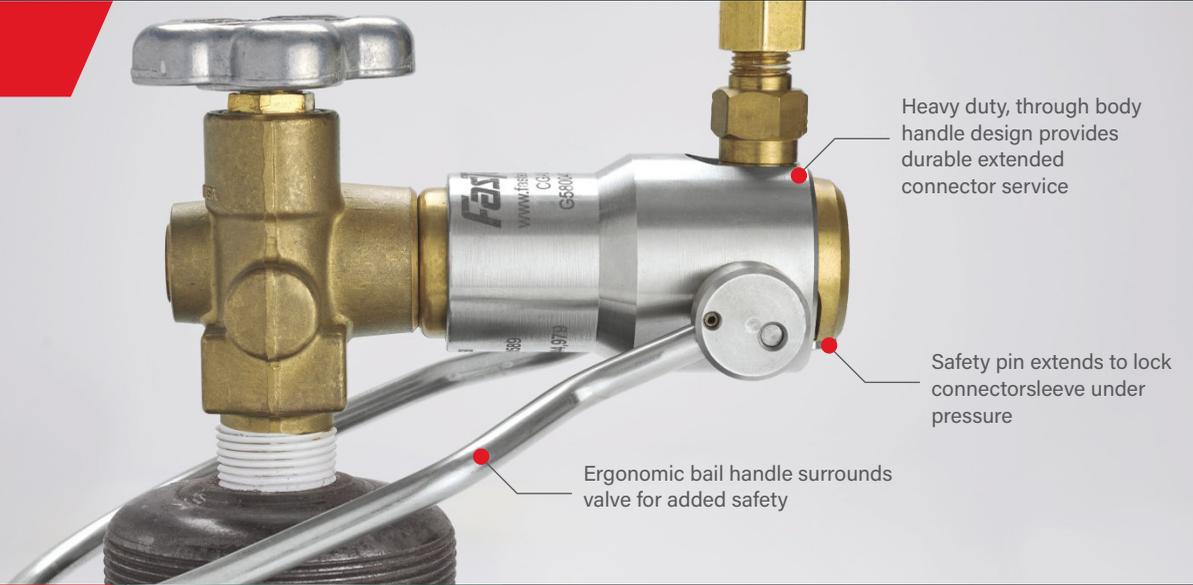


SPECIALTY GAS FILLING SYSTEMS



Designed to Increase Filling Efficiency & Safety

Bail Handle



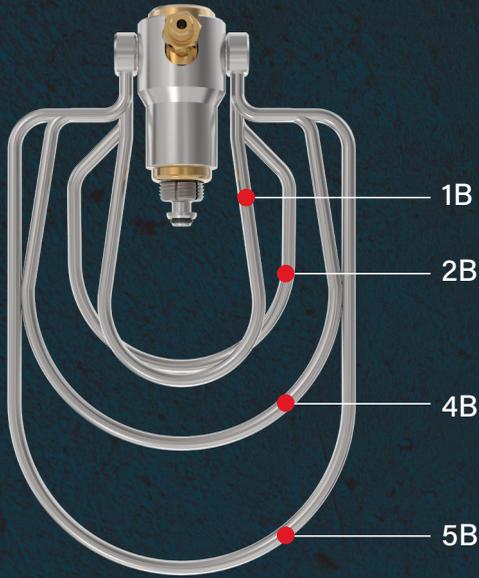
Sleeve



Yoke

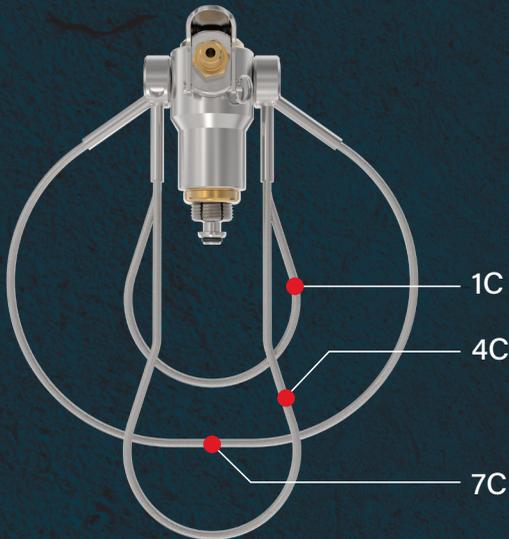


Handle Options Tailored to Your Filling



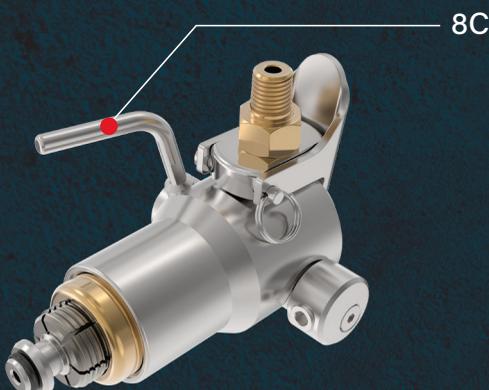
RIGID BAIL HANDLE

1B	Standard Valves
2B	RPV Valves
4B	Valve guards (not for use in palletized fill racks)
5B	Large valve guard (not for use in palletized fill racks)



CABLE HANDLE

1C	Valve guards, 6 and 12 packs
4C	Valve guards, 6 and 12 packs
7C	Extra large valve guards



LEVER HANDLE

8C	Valve guards, 6 and 12 packs
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Compressed Gas Connection Tools

G346

Connections to CGA 346 Valve Standard for Air



- 1 Positive pressure safety latch to prevent removal under pressure
- 2 Instant connection to external thread with self-aligning internal floating piston for robust sealing
- 3 Ergonomic bail handle surrounds valve for added safety

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, 300 series SST, Monel, Inconel
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	Teflon
Termination	Other Materials
1/4 Male NPT	Brass, 300 series SST, FKM

NOTE: BAM Tested, Cleaned for oxygen service
* Pressure rating per criteria of ASME B31.3

G540

Connections to CGA 540 Valve Standard for Oxygen



- 1 Positive pressure safety latch to prevent removal under pressure
- 2 Instant connection to external thread with self-aligning internal floating piston for robust sealing
- 3 Ergonomic bail handle surrounds valve for added safety

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, 300 series SST, Monel, Inconel
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	Teflon
Termination	Other Materials
1/4 Male NPT	Brass, 300 series SST, FKM

NOTE: BAM Tested, Cleaned for oxygen service
* Pressure rating per criteria of ASME B31.3

G540S

Connections to CGA 540 Valve Standard for Oxygen



- 1 Positive pressure safety latch to prevent removal under pressure
- 2 Instant connection to external thread with self-aligning internal floating piston for robust sealing
- 3 Ergonomic bail handle surrounds valve for added safety
- 4 Designed for self contained medical cylinders
- 5 Optional retractable RPV pin

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, 300 series SST, Monel, Inconel
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	Teflon
Termination	Other Materials
1/4 Male NPT	Brass, 300 series SST, FKM

NOTE: BAM Tested, Cleaned for oxygen service
* Pressure rating per criteria of ASME B31.3

Compressed Gas Connection Tools

G580

Connections to CGA 540 Valve Standard for Argon, Helium, Nitrogen, Inert Mixes



- 1 Positive pressure safety latch to prevent removal under pressure
- 2 Instant connection to external thread with self-aligning internal floating piston for robust sealing
- 3 Ergonomic bail handle surrounds valve for added safety
- 4 Optional retractable RPV pin

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, 300 series SST
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	EPDM
Termination	Other Materials
1/4 Male NPT	Brass, 300 series SST

NOTE: BAM Tested, Cleaned for oxygen service
* Pressure rating per criteria of ASME B31.3

G590

Connections to CGA 590 Valve Standard for Air



- 1 Positive pressure safety latch to prevent removal under pressure
- 2 Instant connection to external thread with self-aligning internal floating piston for robust sealing
- 3 Ergonomic bail handle surrounds valve for added safety
- 4 Optional retractable RPV pin

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, 300 series SST
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	EPDM
Termination	Other Materials
1/4 Male NPT	Brass, 300 series SST

NOTE: BAM Tested, Cleaned for oxygen service
* Pressure rating per criteria of ASME B31.3

GBS3

Connections to BS NO3 Valve Standard for Argon, Helium, Nitrogen, Inert Mixes



- 1 Positive pressure safety latch to prevent removal under pressure
- 2 Instant connection to external thread with self-aligning internal floating piston for robust sealing
- 3 Ergonomic bail handle surrounds valve for added safety

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, 300 series SST
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	EPDM
Termination	Other Materials
1/4 Male NPT	Brass, 300 series SST

NOTE: BAM Tested, Cleaned for oxygen service
* Pressure rating per criteria of ASME B31.3

Compressed Gas Connection Tools

G870

Connections to CGA 870 Valve Standard for Oxygen



- 1 Positive pressure internal safety mechanism to prevent removal under pressure
- 2 Instant connection to yoke style valves with self-aligning floating piston for robust sealing
- 3 Reduce repetitive motion injuries to improve operator retainment and performance capabilities

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, 300 series SST
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	Teflon
Termination	Other Materials
1/4 Male NPT	Brass, 300 series SST

NOTE: BAM Tested, Cleaned for oxygen service
* Pressure rating per criteria of ASME B31.3

G910

Connections to CGA 910 Valve Standard for Nitrous Oxide (venting only)



- 1 Positive pressure internal safety mechanism to prevent removal under pressure
- 2 Instant connection to yoke style valves with self-aligning floating piston for robust sealing
- 3 Reduce repetitive motion injuries to improve operator retainment and performance capabilities

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, 300 series SST, Monel, Inconel
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	Teflon
Termination	Other Materials
1/4 Male NPT	Brass, 300 series SST

NOTE: BAM Tested, Cleaned for oxygen service
* Pressure rating per criteria of ASME B31.3

G940

Connections to CGA 940 Valve Standard for Carbon Dioxide (Venting only)



- 1 Positive pressure internal safety mechanism to prevent removal under pressure
- 2 Instant connection to yoke style valves with self-aligning floating piston for robust sealing
- 3 Reduce repetitive motion injuries to improve operator retainment and performance capabilities

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, 300 series SST
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	Teflon
Termination	Other Materials
1/4 Male NPT	Brass, 300 series SST

NOTE: BAM Tested, Cleaned for oxygen service
* Pressure rating per criteria of ASME B31.3

G950

Connections to CGA 940 Valve Standard for Air



- 1 Positive pressure internal safety mechanism to prevent removal under pressure
- 2 Instant connection to yoke style valves with self-aligning floating piston for robust sealing
- 3 Reduce repetitive motion injuries to improve operator retainment and performance capabilities

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, 300 series SST
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	Teflon
Termination	Other Materials
1/4 Male NPT	Brass, 300 series SST

NOTE: BAM Tested, Cleaned for oxygen service
* Pressure rating per criteria of ASME B31.3

Compressed Gas Connection Tools

HPG580

Connections to CGA 580 Valve Standard for High Purity Inert Gases and Mixes 99.9999% Pures and Mixes



- 1 Positive pressure safety latch to prevent removal under pressure
- 2 Designed specifically for high purity applications with vacuum levels down to 30 micron and 1x10⁻⁹ sccm helium leak rate
- 3 Instant connection to external thread with self-aligning internal floating piston for robust sealing
- 4 Ergonomic bail handle surrounds valve for added safety
- 5 Optional retractable RPV pin

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, 300 series SST
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	FDA grade FKM, Teflon
Termination	Other Materials
1/4 Male NPT	

NOTE: BAM Tested, Cleaned for oxygen service
* Pressure rating per criteria of ASME B31.3

G540 WOB

Connections to CGA 540 Valve Standard for Oxygen



- 1 Positive pressure safety latch to prevent removal under pressure
- 2 Instant connection to external thread with self-aligning internal floating piston for robust sealing
- 3 Ergonomic bail handle surrounds valve for added safety
- 4 Cannot overtighten and ruin valves
- 5 RPV pin fully retracts to prevent damage

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, Monel
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	Teflon
Termination	Other Materials
1/4 Male NPT	Brass, 300 series SST

NOTE: BAM Tested, Cleaned for oxygen service
* Pressure rating per criteria of ASME B31.3

Compressed Gas Connection Tools

G-Series Adaptor

G-Series Adapter Offers Flexibility to Fill Four Cylinder Heads with One Manifold



- 1 Positive pressure safety latch to prevent removal under pressure
- 2 Lever actuated RPV pin with integrated sleeve lock safety feature
- 3 Ergonomic sleeve quick connect actuation which eliminates repetitive motion injuries
- 4 CGA580 female termination report receives connector

Pressure Rating*	Wetted Materials
3600 psi (248 bar)	Brass, 300 series SST
Operating Temperatures	Seal Materials
0°F to 140°F (-17°C to +60°C)	EPDM
Termination	Other Materials
CGA580	Brass, 300 series SST

CryoVent

Connections to Generant and Rego Pressure Relief Valves (Venting Only)



- 1 Sleeve latch to prevent disconnection under pressure.
- 2 Instant connection to pressure relief valves to safely direct vented gas to external locations
- 3 Acoustic noise reduction directs sound away from operator when attached to common stack
- 4 Cable option assists with sleeve release for high condensation filling

Pressure Rating	Connection Profile
800 psi (55 bar)	Over hex of Generant & Rego Pressure Relief Valves
Operating Temperatures*	Seal Materials**
-60°F to 200°F (-51°C to +93°C)	Fluorosilicone
Housing Material	
Brass	

NOTE: Cleaned for oxygen service
 *Operating Temperatures based on seal material.
 **More seal material types available, consult factory.

