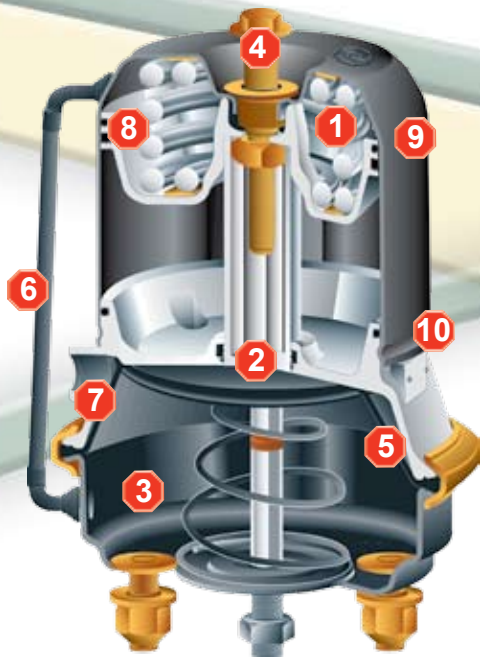
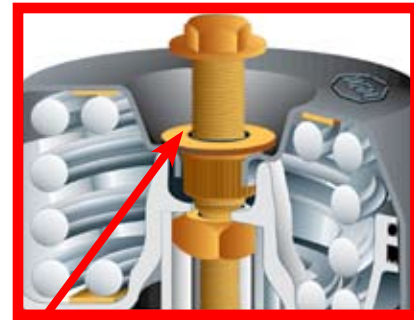


MGM MODEL MJ SERIES



MJS3024ET051
(model shown)



4 Release Bolt



10 "Roll-In" Tamper Resistant Design

- 1 **"Long Life" Power Spring**
Powerful, reliable, non-coil clash design. Heat-fused epoxy-coated for maximum corrosion protection.
- 2 **Center Case Push-Rod and Seal**
Aluminum push-rod surface is hard coat finished and slightly porous to retain lubricants. New multi-lipped pressure activated seal retains lubrication to ensure a positive air seal at full range of stroke. Newly designed high tech polymer "guide" prevents metal to metal contact and wear from side loading.
- 3 **Non-Pressure Chamber**
Heavy-duty 8-gauge steel—heaviest gauge in the industry—embossed for added strength. Heat-fused epoxy-coated to protect against rust and corrosion.
- 4 **Release Bolt**
Patented "Dual Thread Bolt" design; exclusive to MGM Brakes, provides minimal bolt protrusion at maximum release.
- 5 **Heavy-Duty Diaphragm**
Cold weather tested (-65°) natural rubber for long service life and resistance to deterioration.
- 6 **External Breather Tube**
Vents air from the inside protected area of the non-pressure chamber to effectively seal out liquid and solid corrosive airborne contaminants.
- 7 **Square Embossments (Ports)**
Cast into flange case to provide an instant "Long Stroke" identifier that is pronounced and easily detected.
- 8 **Piston Seal and Guide Ring**
Job-designed main seal is molded from specially formulated low temperature (-65°) and oil resistant neoprene to provide long term protection against air leaks. Guide ring is "self-lubricating" for long service life.
- 9 **Steel Head**
MGM Brakes' patented "Roll-In" Tamper Resistant design steel head provides high-impact protection and is double-coated for maximum resistance to corrosion.
- 10 **"Roll-In" Tamper Resistant Design**
With the MGM Brakes' patented "Roll-In" Tamper Resistant design, the heavy gauge steel head is permanently "locked" to the rugged, non-corrosive alloy 360 aluminum center case to positively prevent inadvertent disassembly of the power spring housing.

Outstanding Performance for Demanding Applications



50 Years of Leadership

www.MGMBrakes.com
For all your
braking needs!



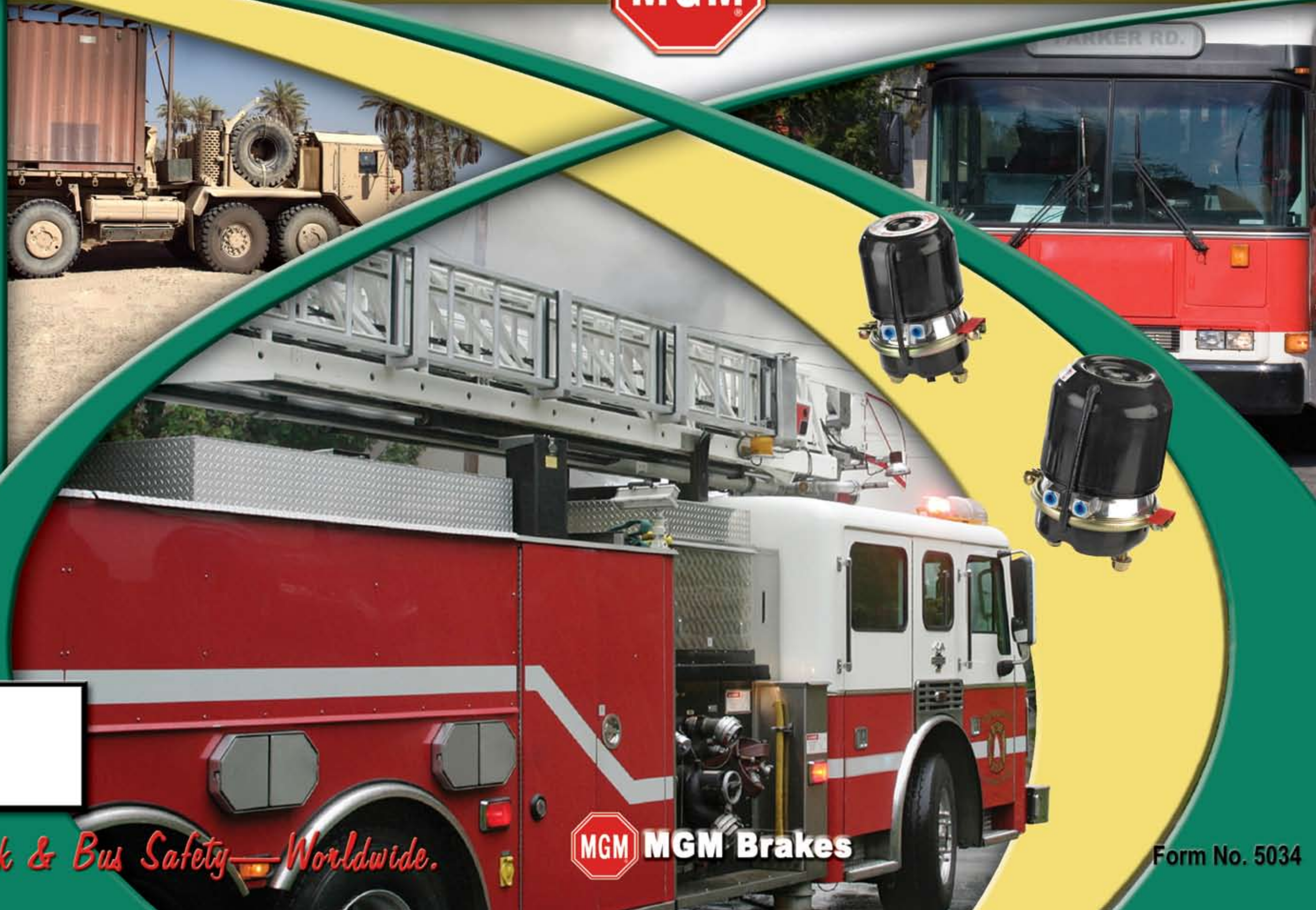
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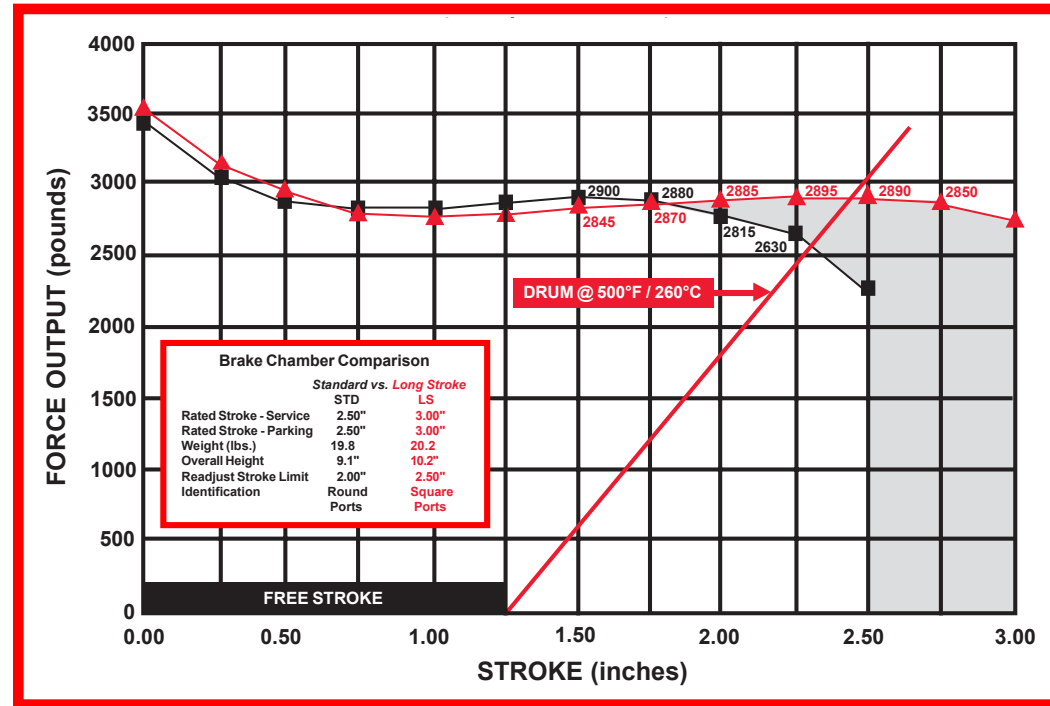
MGM MODEL MJ SERIES

3-Inch "Long Stroke" Spring Brakes and Service Chambers . . . Give You *Extra Stroke* for Added Safety and Reliability.

Elevated brake drum temperatures represent a huge factor in the loss of braking effectiveness. Vehicle tests have proven that even though the brakes may be technically in adjustment, stopping distances are greatly influenced by the increased push-rod stroke that results from high drum temperatures.

One sure way to increase the margin of safety for brakes on heavy-duty trucks is to lengthen the push-rod stroke of the actuator. MGM Brakes' series of MAGNUM Performance Plus 3-inch "Long Stroke" chambers can significantly improve braking efficiency and effectiveness by compensating for the heat induced expansion of the brake drum.

SERVICE BRAKE PERFORMANCE CURVE COMPARISON Standard 30 Spring Brake vs. Long Stroke 30 Spring Brake (at 100 psi Air Pressure)



Note that the performance curve of the MGM Brakes 3-inch "Long Stroke" Chamber (Red Line) is flatter over the entire stroke compared to the output performance curve of a typical 2-1/2 inch stroke chamber (Black Line) at 100 psi air pressure. The slanted red line at the end of "free stroke" shows the effect a drum at 500 degrees can have on brake performance.

The National Highway Traffic Safety Administration (NHTSA) has determined that "Long Stroke" brakes provide:

- Improved Braking Efficiency
- Increased Reserve Stroke
- Reduced Out-of-Adjustment Citations
- Reduced Incidences of Dragging Brakes

FEATURES AND BENEFITS

Guaranteed Tough—
Steel and epoxy combine to make the MGM Brakes MAGNUM Performance Plus Spring Brake the most durable you can buy.

MGM Brakes MAGNUM Performance Plus Spring Brakes have a heavy-gauge steel head and a tough double protective coating for long service life. The result is a piston spring brake that is:

- Impact Resistant
- Corrosion Resistant
- Virtually Maintenance-Free

You can count on the MGM Brakes MAGNUM Performance Plus spring brake to perform when you need it most. Compare the benefits and safety features built into the MGM Brakes MAGNUM Performance Plus spring brake against the brakes you're using now.

Compatible with:
S-Cam Brakes
Disc Brakes
Wedge Brakes

- Compact Design: Smaller Diameter, Shorter Height.
- Interchangeable as replacement for other makes of spring brakes.
- Fits in tight areas where some spring brakes can't due to protrusion of release bolt.
- Engineered and built for dependable, trouble-free service on heavy-duty trucks and trailers, even in severe service conditions.
- Manufactured and guaranteed by the world's largest and most experienced spring brake manufacturer.

ADVANCED NUMBERING SYSTEM

Example: MJS3030ET051

Model Series	Style	Service Side	Spring Side	Max. Stroke	Feature	Serial Number
MJ	S	30	30	E	T	051
MAGNUM J-Series	S-Cam	Type 30	Type 30	3.00	Breather Tube	Aftermarket Complete Assembly

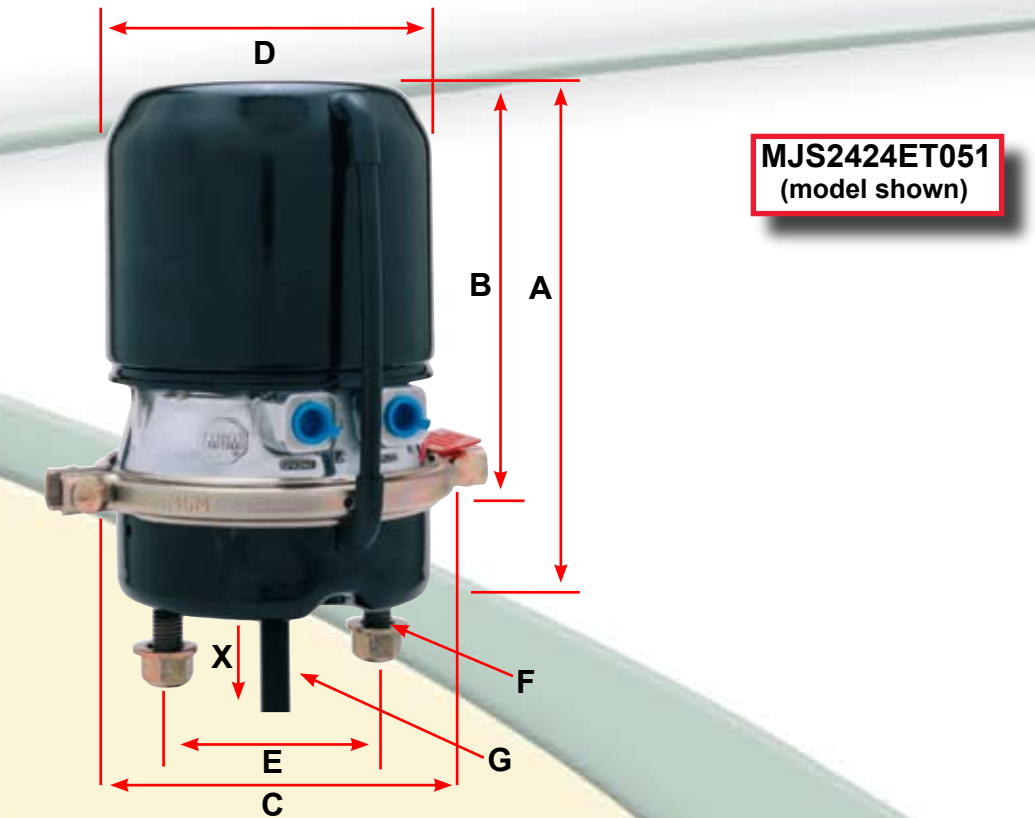
The MAGNUM Performance Plus numbering system is uniquely different from how MGM Brakes has identified products in the past. The part number contains all the information pertaining to the brake, allowing anyone to identify not only the model, but application, stroke, features and serial number as well.

PERFORMANCE CHARACTERISTICS

The world's most advanced spring brake chamber delivers more reliable stopping and parking-force/output power for today's air-braked heavy-duty commercial vehicles. Ideally suited for refuse, ready-mix concrete, school bus and transit fleets.

Model Size	Parking Chamber Force Output At 1.25 Inch Stroke Nominal ± 5% lbs.	Hold-Off Press (psig) (A)
MJ2424-ET	1922	71
MJ3022-ET	1725	68
MJ3024-ET	1922	71
MJ3028-ET	2320	73
MJ3030-ET	2600	75
MJ3630-ET	2600	75

MGM MODEL MJ SERIES



Model	MJS	MJS	MJS	MJS	MJS	MJS
Size	2424	3022*	3024	3028*	3030	3630
Stroke	3.00	3.00	3.00	3.00	3.00	3.00
P/N Comb.	MJS2424ET051	MJS3022ET051	MJS3024ET051	MJS3028ET051	MJS3030ET051	MJS3630ET051
PB + Kit	MJS2424ET008	MJS3022ET008	MJS3024ET008	MJS3028ET008	MJS3030ET008	MJS3630ET008
WT. Comb.	20.4 lbs.	22.8 lbs.	22.4 lbs.	23.1 lbs.	23.1 lbs.	25.2 lbs.
A	10.31"	10.33"	10.33"	10.93"	10.93"	11.28"
A1**	1.24"	1.10"	1.10"	.87"	.87"	.88"
B	7.94"	7.94"	7.94"	8.56"	8.56"	8.56"
C	7.38"	8.32"	8.32"	8.32"	8.32"	9.40"
D	6.76"	6.76"	6.76"	7.50"	7.50"	7.50"
E	4.75"					
F	5/8" 11 UNC					
G	5/8" 18 UNF					
INLETS	3/8" NPTF					
X (MIN.)	8.00"					

Refers to chart above:
* Units utilize lower parking force power spring for lower hold off pressure.
** A1 Dimension represents minimal bolt protrusion at maximum release.

NOTE: All dimensions shown are subject to design changes.