

# We move the air that you depend on

Oilless Piston Air Compressors  
for Dry Sprinkler Systems



**GAST**<sup>®</sup>

## KEY BENEFITS



### COMPACT

Designed to be used in areas of limited space.



### ADAPTABILITY

Easily retrofits to existing systems. Flexibility to work with air maintenance components of your choosing.

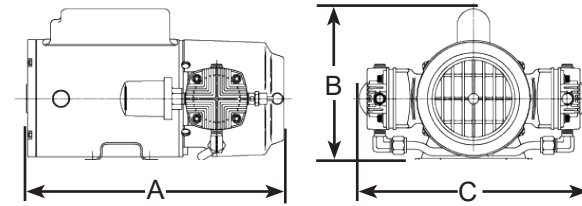


### CAPACITY

Ideal for 200 to 300 gallon systems. Product line covers systems up to 1,000 gallons.

# OILLESS AIR COMPRESSOR

Air compressor intended for use with air maintenance devices that include a pressure control switch to maintain correct air pressure in a dry sprinkler system.



3LBA-10-M200AX model shown

Twin Cylinder Model

## Oilless Piston Air Compressors

Max. Gallons in System to Pump to 40 PSI in 30 min. In support of NFPA Standard 13	Model Number	Free Air Flow at 40 PSI (CFM)	Power Rating (HP)	Operating Voltage Frequency (HZ)	Dimensions (Inches)			Pipe Size (In. NPT)	Shipping Weight (lbs)
					A	B	C		
80	1HAB-10-M100X	0.75	1/6	115-60-1	11.96	8.78	18	1/4	23
90	1LAA-10-M100X	1.00	1/6	115-60-1	11.53	8.53	5.62	1/4	23
120	2HAH-10-M200X	1.2	1/4	115/230-60-1	13.39	8.69	27	1/4	25
150	2LAF-10-M200X	1.6	1/4	115-60-1	12.49	8.61	5.62	1/4	25
160	3HBB-10-M300AX	1.7	1/3	115-60-1	12.45	7.33	10.94	1/4	24
180	3LBA-10-M300AX	2.0	1/3	115-60-1	12.45	7.33	11.07	1/4	24
250	4HCC-10-M450X	2.6	1/2	115-60-1	14.86	8.9	12.41	1/4	33
300	4LCB-10-M450X	3.1	1/2	115/230-60-1	13.28	8.94	12.11	1/4	33
340	5HCD-10-M550NGX	3.6	3/4	115-60-1	15.18	8.57	12.73	1/4	39
400	5LCA-10-M550NGX	4.7	3/4	115-60-1	15.18	8.57	12.73	1/4	39
390	6HCA-10-M616NEX	4.2	1	115-60-1	15.68	8.42	12.29	1/4	60
600	6LCF-10-M616NEX	5.9	1	115/230-60-1	15.68	8.17	12.39	1/4	60
660	7HDD-10-M750X	7.0	1 1/2	115-60-1	21	8.4	11.98	3/8	70
800	7LDE-10-M853	7.9	2	230/460-60-3; 240/440-50-3	21.64	8.4	12.04	3/8	66
825	8HDM-10-M853	9.0	2	115-60-1	21.64	8.4	12.12	3/8	66
1000	8LDF-10-M850X	10.5	2	110/220; 115/230-1	21.64	8.85	12.23	3/8	80

All Oilless Air Compressors listed above come with inlet filter and safety valve.

## System Air Capacity per 1' pipe (Based on actual internal diameter)

Diameter (Inches)	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"
Gallons	.016	.028	.045	.078	.106	.174	.248	.383	.513	.660	1.04	1.50	2.66

All air compressors shown have open motors. Single phase motors have internal thermal protection. Dual voltage motors are shipped pre-wired for the higher voltage. All tank units are wired for 115 volts.

## KEY BENEFITS



**LOW MAINTENANCE**  
No air maintenance device required. Comes with pressure switch and check valve.



**READY FOR USE**  
Factory pre-set pressure switches available for both low and high pressure systems.



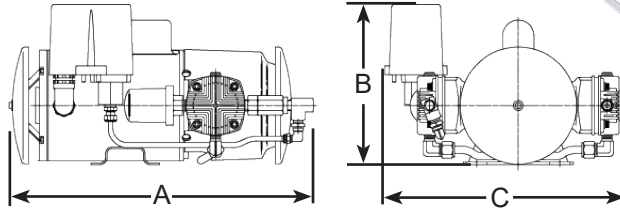
**COMPACT SIZE**  
Designed to be used in areas with limited space.

# RISER MOUNT

Tankless / Automatic air compressors have inlet filters, a safety valve, pressure switch, check valve, tubing, and fittings.



3LBA-32-M300AX  
model shown



Twin Cylinder  
Model - Riser Mount

## Oilless Piston Air Compressors For Low Pressure Air Maintenance Devices - UL 1450 Listed

Max. Gallons in System to Pump to 18 PSI in 30 min. In support of NFPA Standard 13	Model Number	Free Air Flow at 18 PSI (CFM)	Power Rating (HP)	Operating Voltage Frequency (HZ)	Dimensions (Inches)			Pipe Size (In. NPT)	Shipping Weight (lbs)
					A	B	C		
250	1LAA-55S-M100GX	1.25	1/6	115-60-1	13.75	9.54	9.17	1/4	23
480	3LBA-55S-M300AX	3.0	1/3	115-60-1	15.55	8.11	12.35	1/4	31
730	4LCB-55S-M450GX	3.8	1/2	115/230-60-1	16.02	8.62	13.14	1/4	35

Factory setting: cut-in 13 PSI ± 2 PSI / cut-out 18 PSI ± 2 PSI

## Oilless Piston Air Compressors For Dry Sprinkler Systems

Max. Gallons in System to Pump to 40 PSI in 30 min. In support of NFPA Standard 13	Model Number	Free Air Flow at 40 PSI (CFM)	Power Rating (HP)	Operating Voltage Frequency (HZ)	Dimensions (Inches)			Pipe Size (In. NPT)	Shipping Weight (lbs)
					A	B	C		
90	1LAA-32-M100X	1.0	1/6	115-60-1	14.07	6.03	8.31	1/4	23
150	2LAF-12-M200X	1.6	1/4	115-60-1	12.49	8.10	8.72	1/4	23
180	3LBA-32-M300AX	2.0	1/3	115-60-1	14.21	8.11	13.64	1/4	24
300	4LCB-21-M450X	3.1	1/2	115/230-60-1	15.10	8.94	13.14	1/4	33
400	5LCA-22-M550NGX	4.7	3/4	115/230-60-1	15.75	8.62	13.26	1/4	39
600	6LCF-13-M616NEX	5.9	1	115/230-60-1	19.04	8.38	12.30	1/4	60
800	7LDE-16-M750X	7.9	1 1/2	115/208-230-60-1	22.15	8.4	13.46	3/8	66
1000	8LDF-16-M850X	10.5	2	115/230-50-60-1	22.95	8.85	12.96	3/8	80

## Oilless Piston Air Compressors For Dry Sprinkler Systems - UL 1450 Listed

Max. Gallons in System to Pump to 40 PSI in 30 min. In support of NFPA Standard 13	Model Number	Free Air Flow at 40 PSI (CFM)	Power Rating (HP)	Operating Voltage Frequency (HZ)	Dimensions (Inches)			Pipe Size (In. NPT)	Shipping Weight (lbs)
					A	B	C		
90	1LAA-46S-M100GX	1.0	1/6	115-60-1	15.25	8.11	8.72	1/4	23
150	2LAF-46S-M200EX	1.6	1/4	115-60-1	15.95	8.11	8.72	1/4	25
180	3LBA-46S-M300AX	2.0	1/3	115-60-1	15.55	8.11	12.35	1/4	31
300	4LCB-46S-M450GX	3.1	1/2	115/230-60-1	16.09	8.94	13.32	1/4	40
400	5LCA-46S-M550GX	4.7	3/4	115/230-60-1	16.96	8.94	13.37	1/4	48
600	6LCF-46S-M616NEX	5.9	1	115/230-60-1	18.91	8.79	13.43	1/4	56
800	7LDE-46S-M750X	7.9	1 1/2	115/208-230-60-1	25.25	9.80	12.50	3/8	73
1000	8LDF-46S-M850X	10.5	2	115/230-50-60-1	25.90	9.80	12.60	3/8	90

Factory setting: cut-in 40 PSI ± 2 PSI / cut-out 50 PSI ± 2 PSI.

Note: UL Fire Protection Listing UL File EX5324 Evaluated to UL1450 Motor-operated air compressors for use in sprinkler systems

## KEY BENEFITS



**AIR TANK LONGEVITY**  
Extended compressor life. On board tank means the compressor runs less and last longer.



**MULTI-SYSTEM USE**  
Air receiver tank holds backup air pressure. Can supply multiple systems.



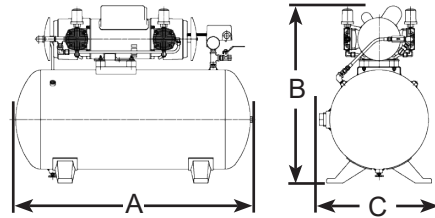
**HIGH CAPACITY**  
Ideal for systems 500 to 1,000 gallons.

# TANK SYSTEMS

Tank mounted compressors include gauge, pressure switch, shut off valve, drain valve, check valve, and safety valve. All tank units are wired for 115 volts.



8LDF-46T-M850X model shown



Tank Model

## Tank Systems

Max. Gallons in System to Pump to 40 PSI in 30 min. In support of NFPA Standard 13	Model Number	Free Air Flow at 40 PSI (CFM)	Power Rating (HP)	Operating Voltage Frequency (HZ)	Dimensions (Inches)			Pipe Size (In. NPT)	Shipping Weight (lbs)	Tank Size
					A	B	C			
80	1HAB-11T-M100X	0.75	1/6	115-60-1	17.53	16.66	8.30	1/4	44	2
80	1HAE-11T-M104X	0.75	1/6	220/230-50-1	18.27	16.71	7.64	1/4	44	2
90	1LAA-11T-M100X	1.0	1/6	115-60-1	19	17	9	1/4	44	2
150	2LAF-11T-M200X	1.6	1/4	115-60-1	26	24	13.5	1/4	78	12
160	3HBB-11T-M300AX	1.7	1/3	115-60-1	26	22.27	13.5	1/4	80	12
180	3LBA-11T-M300AX	2.0	1/3	115-60-1	26	23	13.5	1/4	80	12
300	4LCB-11T-M450X	3.1	1/2	115/230-60-1	33	27	16	1/4	103	20
340	5HCD-11T-M550NGX	3.6	3/4	115/230-60-1	33	26.01	16	1/4	109	20
400	5LCA-11T-M550NGX	4.7	3/4	115/230-60-1	33	27	16	1/4	109	20
600	6LCF-11T-M616NEX	5.9	1	115/230-60-1	38	28.2	17	3/8	169	30
660	7HDD-11TA-M750X	7.0	1 1/2	115/208-230-1	38	28.62	18	3/8	185	30
800	7LDE-11T-M750X	7.9	1 1/2	115/208-230-1	38	28.6	17	3/8	185	30
1000	8LDF-11TA-M850X	10.5	2	115/230-50-60-1	38	29.1	17	3/8	200	30

Factory setting: cut-in 30 PSI ± 2 PSI / cut-out 50 psi ± 2 psi

## Tank Units For Dry Sprinkler Systems - UL 1450 Listed

Max. Gallons in System to Pump to 40 PSI in 30 min. In support of NFPA Standard 13	Model Number	Free Air Flow at 40 PSI (CFM)	Power Rating (HP)	Operating Voltage Frequency (HZ)	Dimensions (Inches)			Pipe Size (In. NPT)	Shipping Weight (lbs)	Tank Size
					A	B	C			
90	1LAA-46T-M100GX	1.0	1/6	115-60-1	19	17	9	1/4	44	2
150	2LAF-46T-M200EX	1.6	1/4	115-60-1	26	24	13.5	1/4	78	12
180	3LBA-46T-M300AX	2.0	1/3	115-60-1	26	23	13.5	1/4	80	12
300	4LCB-46T-M450GX	3.1	1/2	115/230-60-1	33	27	16	1/4	109	20
400	5LCA-46T-M550GX	4.7	3/4	115/230-60-1	33	27	16	1/4	115	20
600	6LCF-46T-M616NEX	5.9	1	115/230-60-1	38	28.2	17	3/8	169	30
800	7LDE-46T-M750X	7.9	1 1/2	115/208-230-60-1	38	28.6	17	3/8	185	30
1000	8LDF-46T-M850X	10.5	2	115/230-50-60-1	38	29.1	17	3/8	200	30

Factory setting: cut-in 30 PSI ± 2 PSI / cut-out 50 psi ± 2 psi

# GAST DRY SPRINKLER SYSTEMS

The rugged design of our Dry Sprinkler line of compressors offers oilless operation to ensure the discharge air remains free of contamination from lubricants. They produce minimal noise and offer high flow – making them ideal for dry sprinkler systems. Wear items are easy to replace, which allows for a long service life and maximizes uptime.



## TOUGH & RELIABLE



A trusted partner in fire protection for over 40 years, our Dry Sprinkler products have a long legacy of performing in harsh environments where other market players cannot; even in the dirtiest and extreme ambient conditions.

## WIDE PRODUCT RANGE



From bare compressor to riser mounted to full tank systems, we have you covered. Our large range of compressors have the solutions you need for systems up to 1,000 gallons.

## TESTED



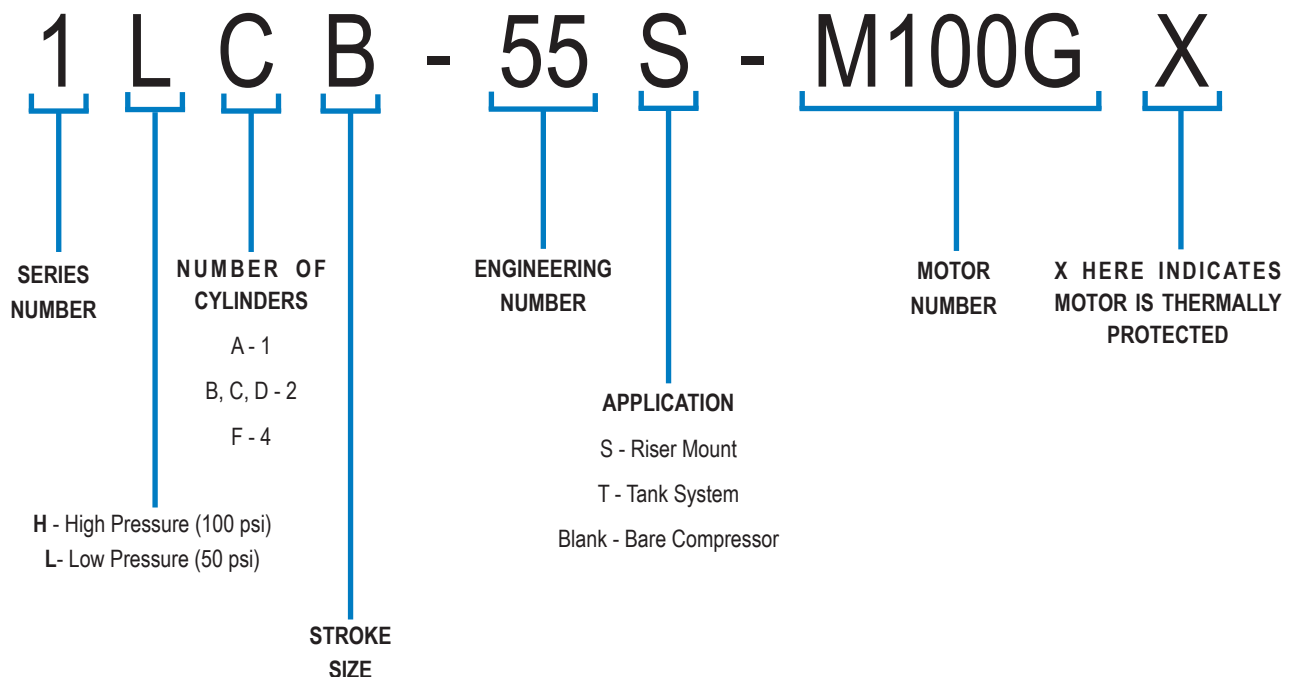
All GAST products are thoroughly tested and proven to meet the exact needs of the industries they perform in to ensure they work time and time again.

## READY TO INSTALL



All of our products come assembled and pre-set at the factory, meaning they are ready to go right out of the box.

## UNDERSTANDING YOUR PART NUMBER



## Parts & Accessories

Part Number	Description	Used On (See charts for full model number)	
		Riser Mount	Tank Systems
AJ550	Check Valve 1/4" NPT female	1LAA 2LAF 3LBA 4LCB 5LCA 6LCF	1HAB 1HAE 1LAA 2LAF 3HBB 3LBA 4LCB 5HCD 5LCA 6LCF 7HDD 7LDE 8LDF
AJ550A	Check Valve 3/8" NPT female	7LDE 8LDF	6LCF 7LDE 8LDF
AF631	Shock/isolation mounts 1/4" - 20 thread both ends	1LAA 2LAF 3LBA	1LAA 2LAF
AF633	Shock/isolation mounts 5/16" - 18 thread both ends	4LCB 5LCA 6LCF 7LDE 8LDF	1HAB 1HAE 1LAA 2LAF 3HBB 3LBA 4LCB 5HCD 5LCA 6LCF 7HDD 7LDE 8LDF
AK620E	Pressure Switch (cut-in 13 PSI, cut-out 18 PSI)	All 55S tankless models	
AK620D	Pressure Switch (cut-in 40 PSI, cut-out 50 PSI)	All 46S tankless models	
AE163F	Pressure Switch (cut-in 30 PSI, cut-out 50 PSI)	All 46T tank models	
AF634	15" hose assembly 1/4" NPT Fittings (For connecting compressor to tank)	All models with 1/4" NPT Fittings	
AH332	16" hose assembly 3/8" NPT Fittings (For connecting compressor to tank)	All models with 3/8" NPT Fittings	
K264	Basic Service Kit	All 1H, 1L, 2H, 2L Models	
K260	Basic Service Kit	All 3H, 3L Models	
K263	Basic Service Kit	All 4H, 4L, 5H, 5L, 6H, 6L Models	
K303	Basic Service Kit	All 7H, 7L, 8H, 8L Models	
AT670	Compressor Mounting Bracket	1L/H - 6L/H Models	
AT670A	Compressor Mounting Bracket	7L/H and 8L/H Models	

### Compressor Mounting Bracket

Compressor mounting brackets for riser mount units sold separately. The mounting kit comes complete with all the hardware and adjustable stainless steel straps for mounting all 55S and 46S tankless models to all shapes and sizes of riser pipes.



AT670, AT670A  
Compressor Mounting Bracket

# GAST®

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