

GAST[®]

AIR COMPRESSORS FOR DRY SPRINKLER SYSTEMS

we move the air that moves your world



KEY BENEFITS



EAST TO INSTALL

Fast mounting strut channel hardware for riser models. Quick setting tank model.



VERSATILE

Wide pressure setting range and multiple mounting options.



SPACE SAVING

Riser mount models are compact, and low vibration. Vertical tank models fit in tighter spaces.

ROCKING PISTON COMPRESSORS WITH DIGITAL PRESSURE SWITCH

Rocking piston compressors feature industry leading life and reliability. An innovative design with low sound and vibration, space saving size, and time saving installation. The digital pressure switch provides a wide range of settings and system capacity. All Gast compressors feature oilless operation requiring less maintenance.



87R Rocking Piston Air Compressor

Convenient channel strut design mounts in under 5 minutes with one person. This model includes all mounting hardware and 24" flexible hose connector. The compressor frame is riser, wall, and floor mount capable. Ultra-quiet operation and industrial grade shock mounts for low vibration. Easily adjustable digital pressure switch can be used for a wide range of supervisory pressure settings.

Model Number	Free Air Flow at 18 PSI (CFM)	Free Air Flow at 40 PSI (CFM)	Power Rating (HP)	Operating Voltage Frequency (HZ)	Dimensions (Inches)			Shipping Weight (lbs)
					L	W	H	
87R-100S	3.4	2.8	1/2	115-60-1	8.25	10.25	20.18	55

Factory setting: cut-in 30 PSI / cut-out 40 PSI

This model delivers less than 5.5 cfm, and the use of an air maintenance device is not required per NFPA 13. Supervisory air pressure settings can be adjusted with the 87R digital pressure switch.



87R-100S model shown

87R-100S PRESSURE & SYSTEM CAPACITY (NFPA 13)	
PRESSURE (PSI)	SYSTEM CAPACITY (GALLONS)
10	1350
12	1110
14	950
16	825
18	725
20	650
22	580
24	530
26	490
28	450
30	415
32	385
34	360
36	335
38	315
40	300

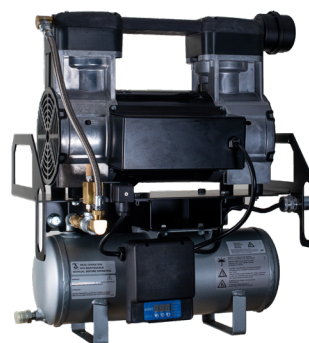
120R-200S Rocking Piston Air Compressor

Convenient channel strut design mounts in under 5 minutes. This model includes all mounting hardware and 24" flexible hose connector. This compressor frame is riser and wall mount capable. The most powerful rocking piston compressor in its class in a space saving riser mount configuration. Ideal for one riser sprinkler system up to 921 gallons [40 psi, see chart]

Model Number	Free Air Flow at 18 PSI (CFM)	Free Air Flow at 40 PSI (CFM)	Power Rating (HP)	Operating Voltage Frequency (HZ)	Dimensions (Inches)			Shipping Weight (lbs)
					L	W	H	
120R-200S	9.9	8.9	2	208-240-50/60-1	13.16	20.24	23.03	129

Factory setting: cut-in 50 PSI / cut-out 125 PSI.

This model delivers more than 5.5 cubic ft/min. at 10 psi. The use of an air maintenance device is required for supervisory air pressure settings per NFPA-13



120R-200S model shown

120R-200S SYSTEM CAPACITY FOR INITIAL FILL RATE (NFPA 13)	
PRESSURE (PSI)	SYSTEM CAPACITY (GALLONS)
10	3936
12	3286
14	2831
16	2461
18	2176
20	1950
22	1762
24	1600
26	1471
28	1359
30	1258
32	1173
34	1099
36	1035
38	971
40	921

120R-200T Rocking Piston Air Compressor

The most powerful rocking piston compressor in its class on a space saving vertical tank. Ideal for three to four sprinkler systems up to 940 gallons each [40 psi, see chart]. Air tank rubber vibration feet prevents movement. This model includes a 24" flexible hose connector and floor mount brackets (if desired or required).

Model Number	Free Air Flow at 18 PSI (CFM)	Free Air Flow at 40 PSI (CFM)	Power Rating (HP)	Operating Voltage Frequency (HZ)	Dimensions (Inches)			Shipping Weight (lbs)	Tank Size
					L	W	H		
120R-200T	10.5	9	2	208-240-50/60-1	17.6	19.41	44.87	163	20

Factory setting: cut-in 75 PSI / cut-out 125 PSI

This model delivers more than 5.5 cubic ft/min. at 10 psi. The use of an air maintenance device is required for supervisory air pressure settings per NFPA-13



120R-200T model shown

120R-200T SYSTEM CAPACITY FOR INITIAL FILL RATE (NFPA 13)	
PRESSURE (PSI)	SYSTEM CAPACITY (GALLONS)
10	4216
12	3476
14	2957
16	2565
18	2259
20	2010
22	1823
24	1668
26	1520
28	1402
30	1299
32	1212
34	1126
36	1063
38	992
40	940



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.

PISTON AIR COMPRESOR TANK SYSTEMS

Tank mounted compressors include gauge, pressure switch, shut off valve, drain valve, check valve, and safety valve. All Gast compressors feature oilless operation requiring less maintenance.



8LDF-46T-M850X
model shown

50 PSI 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
					L	W	H			
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
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
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
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 / cut-out 50 PSI

100 PSI 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
					L	W	H			
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
160	3HBB-11T-M300AX	1.7	1/3	115-60-1	26	22.27	13.5	1/4	80	12
340	5HCD-11T-M550NGX	3.6	3/4	115/230-60-1	33	26.01	16	1/4	109	20
660	7HDD-11TA-M750X	7.0	1 1/2	115/208-230-1	38	28.62	18	3/8	185	30

Factory setting: cut-in 80 PSI / cut-out 100 PSI

Use with an air maintenance device for supervisory pressure settings. Air tank pressure will be maintained at 100 PSI and prolong compressor life.

50 PSI Tank 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
					L	W	H			
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 / cut-out 50 PSI

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

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.

PISTON 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. All Gast compressors feature oilless operation requiring less maintenance.



3LBA-10-M300AX
model shown

50 PSI 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)
					L	W	H		
90	1LAA-10-M100X	1.00	1/6	115-60-1	11.53	8.53	5.62	1/4	23
150	2LAF-10-M200X	1.6	1/4	115-60-1	12.49	8.61	5.62	1/4	25
180	3LBA-10-M300AX	2.0	1/3	115-60-1	12.45	7.33	11.07	1/4	24
300	4LCB-10-M450X	3.1	1/2	115/230-60-1	13.28	8.94	12.11	1/4	33
400	5LCA-10-M550NGX	4.7	3/4	115-60-1	15.18	8.57	12.73	1/4	39
600	6LCF-10-M616NEX	5.9	1	115/230-60-1	15.68	8.17	12.39	1/4	60
800	7LDE-10-M853	7.9	2	230/460-60-3; 240/440-50-3	21.64	8.4	12.04	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. The maximum pressure rating is 50 PSI.

100 PSI 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)
					L	W	H		
80	1HAB-10-M100X	0.75	1/6	115-60-1	11.96	8.78	18	1/4	23
120	2HAH-10-M200X	1.2	1/4	115/230-60-1	13.39	8.69	27	1/4	25
160	3HBB-10-M300AX	1.7	1/3	115-60-1	12.45	7.33	10.94	1/4	24
250	4HCC-10-M450X	2.6	1/2	115-60-1	14.86	8.9	12.41	1/4	33
340	5HCD-10-M550NGX	3.6	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
660	7HDD-10-M750X	7.0	1 1/2	115-60-1	21	8.4	11.98	3/8	70
825	8HDM-10-M853	9.0	2	115-60-1	21.64	8.4	12.12	3/8	66

All Oilless Air Compressors listed above come with inlet filter and safety valve. The maximum pressure rating is 100 PSI.

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.*

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 PISTON AIR COMPRESSORS

Tankless / Automatic air compressors have inlet filters, a safety valve, pressure switch, check valve, tubing, and fittings. All Gast compressors feature oilless operation requiring less maintenance.



3LBA-32-M300AX
model shown

Piston Air Compressors For Low Pressure Systems - 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)
					L	W	H		
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 / cut-out 18 PSI. Compressor Mounting Bracket sold separately, see page 6.

50 PSI 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)
					L	W	H		
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

Factory setting: cut-in 40 PSI / cut-out 50 PSI. Compressor Mounting Bracket sold separately, see page 6.

50 PSI Piston Air Compressors - 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)
					L	W	H		
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 / cut-out 50 PSI. Compressor Mounting Bracket sold separately, see page 6.

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

Parts & Accessories

Part Number	Description	Used On (See charts for full model number)	
		Riser Mount	Tank Systems
AJ550	Check Valve 1/4" NPT Female	1L up to 6L	1H up to 5H 1L up to 5L
AJ550A	Check Valve 3/8" NPT Female	7L up to 8L & 120R	6L up to 8L & 120R
5414505A	Check Valve 1/4"	87R	
AF631	Shock/Isolation Mounts 1/4" - 20 thread both ends	1L up to 3L, 87R & 120R	1L up to 2L & 120R
AF633	Shock/Isolation Mounts 5/16" - 18 thread both ends	4L up to 8L	1H up to 7H 1L up to 8L
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 piston tank models with 1/4" NPT Fittings	
AH332	16" Hose Assembly 3/8" NPT Fittings (for connecting compressor to tank)	All piston tank models with 3/8" NPT Fittings	
AF636	24" Flexible Connecting Hose (for connecting compressor to system)	All Models	
K264	Compressor Service Kit	All 1H, 1L, 2H, 2L Models	
K260	Compressor Service Kit	All 3H, 3L Models	
K263	Compressor Service Kit	All 4H, 4L, 5H, 5L, 6H, 6L Models	
K303	Compressor Service Kit	All 7H, 7L, 8H, 8L Models	
K965	Compressor Service Kit	87R Models	
K1028	Compressor Service Kit	120R Models	
AT670	Compressor Mounting Bracket (adjustable steel straps included)	1L up to 6L Models	
AT670A	Compressor Mounting Bracket (adjustable steel straps included)	7L & 8L Models	
K1022	Floor Mount Kit	87R Models	
B300A	Intake Filter	87R Models	
K1027	Intake Filter	120R Models	
SSP-87R6-01	Sound Shield Kit	87R Models	



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