

DRY

PNEUMATIC SOLUTIONS

FOR DRY SPRINKLER SYSTEMS



 **gast**
move with purpose

ROCKING PISTON COMPRESSORS

WITH DIGITAL PRESSURE SWITCH



87R-100S model shown

87R ROCKING PISTON - UL 1450 LISTED

Convenient channel strut design mounts in under 5 minutes with one person. Includes mounting hardware and 24” flexible hose connector. The compressor frame is riser, wall, and floor mount capable. Ultra-quiet operation with 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.

120R-200S ROCKING PISTON - UL 1450 LISTED

Convenient channel strut design mounts in under 5 minutes. Includes mounting hardware and 24” flexible hose connector. This compressor frame is riser and wall mount capable. 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

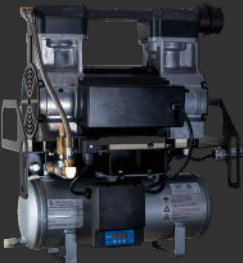
Factory setting: cut-in 50 PSI / cut-out 125 PSI. This model delivers more than 5.5 cubic ft/min. at 10 psi. The use of an air maintenance device is required for supervisory air pressure settings per NFPA-13.

120R-200T ROCKING PISTON - UL 1450 LISTED

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.

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-200S model shown



120R-200T 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 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 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

PISTON AIR COMPRESSORS

JUN-AIR PLUG AND PLAY SOLUTIONS

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.

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

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.

PARTS, KITS & 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	
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	
K1033	24" Flexible Connecting Hose (for connecting compressor to system)	All Models	
K1035	Digital Switch 87R-100S	All Models	
K1036	Digital Switch 120RW-2WSH	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	
K1027	Riser Mount Kit	All Piston Models	
B300A	Intake Filter	87R Models	
K1027	Intake Filter	120R Models	
SSP-87R6-01	Sound Shield Kit	87R Models	
SSP-120R6-01	Sound Shield Kit	120R Models	