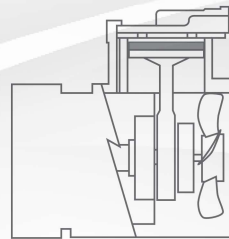


ROCKING PISTON



FUNCTION

In a reciprocating motion, a flexible cup mounted on top of the connecting rod creates vacuum or pressure as the cup maintains a seal against the cylinder walls in a rocking motion.



PRESSURE

175
PSI_g

12
BAR

VACUUM

29.5
inHg

14
mbar

AIR FLOW

12
CFM

18.7
m³/H

FEATURES

- Oil-less and maintenance free
- Rugged construction
- Quiet operation
- Dual-frequency motors
- Air flows up to 12 cfm, pressure to 175 PSI and vacuum capabilities to 29.5 in-HG
- Sound Shield models are available

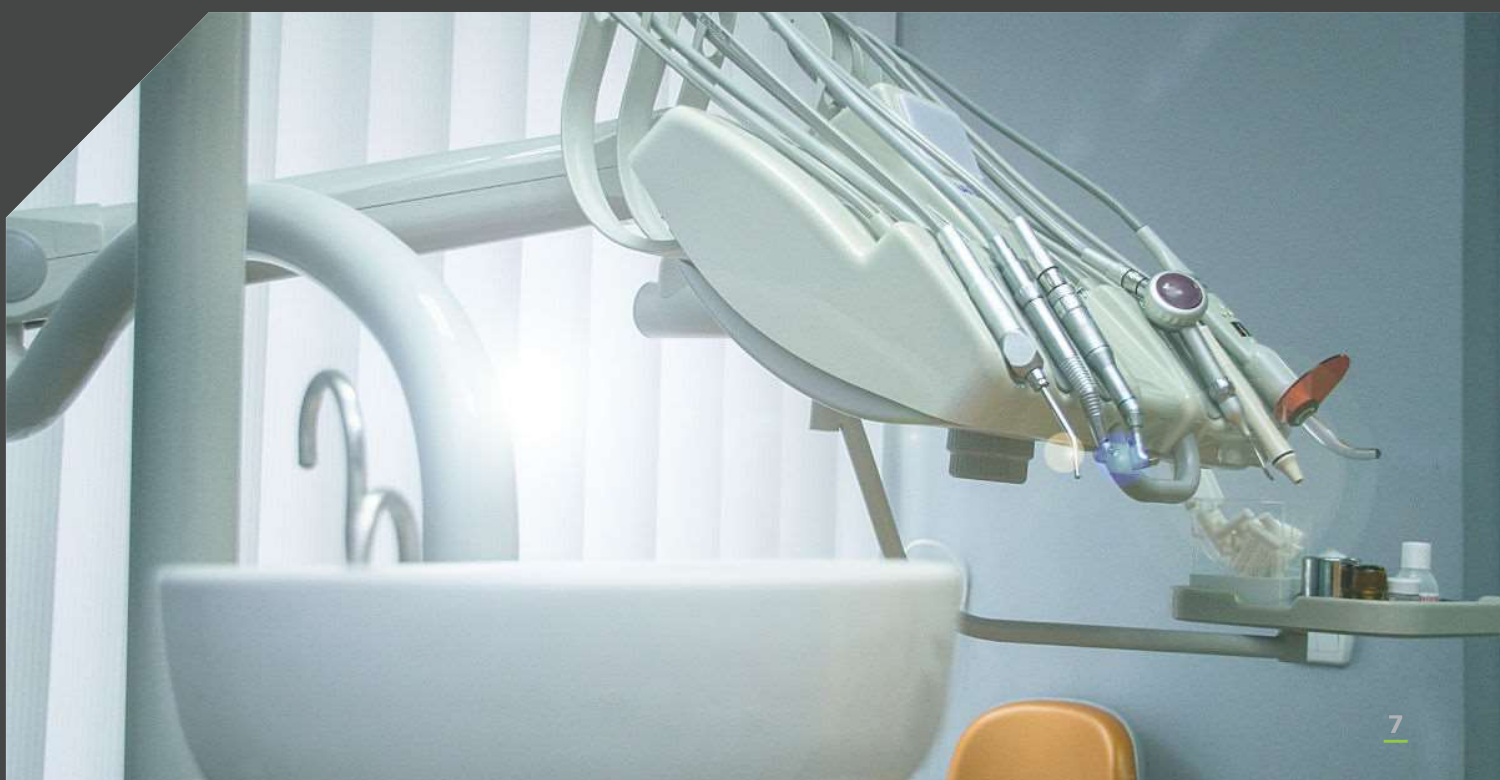


TYPICAL APPLICATIONS

- Dental compressors
- Eye surgery equipment
- Ventilation equipment
- Surgical aspiration equipment
- Nitrogen generators
- Lab test equipment
- Dry sprinkler
- Beverage dispensing
- Cable pressurization
- Vacuum mixing
- Oxygen concentrators

SPECIFICATIONS

Model/Series	Power Rating		Free Air Flow			Maximum Pressure			Maximum Vacuum	
	hp	kW	CFM	m3/h	DC	PSI	BAR	DC	Hg	mbar
LOA (PSC)	1/16	0.05	0.5	0.85	-	100	6.89	-	26	880.5
LOA (DC)	1/10	0.07	-	-	0.6		6.89	100	27.5	931.3
LAA	1/6	0.12	1.5	2.55	-	-	-	-	28.5	965.1
71R	3/4	0.56	4.4	7.48	-	100	6.89	-	27.5	931.3
71R HIGH PRESSURE	3/4	0.56	2.2	3.74	-	175	12.07	-	-	-
72R	3/4	0.56	6.2	10.53		50	3.45	-	28	948.2
86R	1/8-1/2	.09-.37	3.8	6.46	-	125	8.62	-	27.5	931.3
86R SSP	1/4	0.19	1.4	2.38	-	125	8.62	-	-	-
86R SSV	1/4	0.19	1.4	2.38	-	125	8.62	-	26.2	887.2
87R	1/4-1/2	.18/.37	5.2	8.83	3.2	125	8.62	125	29.2	988.8
87R SSP	1/2	0.37	4.9	8.33	-	125	8.62	-	-	-
87R SSV	1/2	0.37	4.9	8.33	-	125	8.62	-	28	948.2
106R	3/4	0.56	5.5	9.34	-	145	10.00	-	27.5	931.3
106 HIGH PRESSURE	3/4	0.56	2.7	4.59	-	175	12.07	-	-	-
120R	2	1.49	12	20.39	-	145	10.00	-	27.5	931.3
120R SSP	2	1.49	10.5	17.84	-	135	9.31	-	-	-



Model / Series	Gast Part Number	Power Rating		Free Air Flow Rate						Maximum Pressure		Maximum Vacuum (60 Hz)		Thermal Protection	Operating Voltage
		m3/h	50 Hz	CFM		60 Hz		PSI	BAR	inHg	mbar				
				60 Hz	50 Hz	HP	Kw								
LOA	LOA-101-HB	1/16	0.05	1.12	1.36	0.66	0.8	100	6.89	26	880.46	Yes	110/115		
	LOA-101-JR	1/10	0.07	-	1.12	-	0.66	100	6.89	27.5	931.26	No	11-15 VDC		
86R	86R123-101-N170X	1/8	0.09	1.6	1.87	0.94	1.1	125	8.62	26	880.46	Yes	100-120-200-240/50-60		
	86R142-P001B-N270X	1/4	0.19	2.89	3.4	1.7	2	100	6.89	27.2	921.1	Yes	100-120/200-240		
	86R130-101-N270X	1/4	0.19	1.99	2.45	1.17	1.44	125	8.62	26.2	887.23	Yes	100-120-200-240/50-60		
	86R130-PS101-N270X	0.25	0.18	1.99	2.45	1.17	1.44	125	8.62	26.2	887.23	Yes	100/120V AC; 200/240V AC		
	86R130-VS101-N270X	0.25	0.18	1.99	2.45	1.17	1.44	125	8.62	26.2	887.23	Yes	100/120V AC; 200/240V AC		
	86R635-101-N470X	1/2	0.37	4.08	5.1	2.4	3	125	8.62	26.8	907.55	Yes	115-120-230-240/60 110-120-220-240/50		
87R	87R642-101R-N470X	1/2	0.37	6.12	7.31	3.6	4.3	125	8.62	24.75	838.13	Yes	110-120/220-240; 115-120/230-240		
	87R642-PS103R-N470X	1/2	0.37	6.12	7.31	3.6	4.3	125	8.62	24.75	838.13	Yes	110-120/220-240; 115-120/230-240		
	87R645-101-N470X	1/2	0.37	6.63	7.85	3.9	4.6	30	2.07	27.5	931.26	Yes	110-120/220-240; 115-120/230-240		
	87R647-VS101-N470X	1/2	0.37	8.16	8.16	4.8	4.8	-	-	28	948.19	Yes	115-120		
	87R647-PS101-N470X	1/2	0.37	8.16	8.16	4.8	4.8	30	2.07	-	-	Yes	115-120		
	87R135-101-N270X	1/4	0.19	2.89	3.4	1.7	2	100	6.89	26.7	904.17	Yes	100-120-200-240/50-60		
87R BLDC	87R555-V101-N470X	1/2	0.37	3.99	4.42	2.35	2.6	-	-	28	948.19	Yes	110-120/220-240; 115-120/230-240		
	87R637-101-BL480X	1/2	0.37	-	0.74	-	1.1	125	8.62	-	-	Yes	19-27 Vdc		
106R	106R650-101-N600X	0.75	0.56	7.98	9.34	4.7	5.5	145	10	-	-	Yes	115-120/230-240, 220-230		
120R	120R689-P101-N800NX	2	1.49	16.99	20.39	10	12	145	10	28	948.19	Yes	200-230V 50 Hz/ 200-230V 60 Hz		
	120R689-PSP101-N800NX	2	1.49	15.29	16.99	9	10	135	9.3			Yes	200-230V 50 Hz/ 200-230V 60 Hz		
Soundshield	SSV-01	GAST Sound Shield Installation Kit - Vacuum Applications: 1/4 in Inlet Size, 4.4 cfm, reduces sound levels up to a 25% dB(A) drop, for rocking piston 86R and 87R models, both single and twin cylinders.													
	SSP-86R1-01	GAST Sound Shield Kit: 1/4 in Inlet Size, 4.4 cfm, 8.67 in Overall Ht, 100 micron Filter Rating, reduces sound levels up to a 25% dB(A) drop, fits all Gast rocking piston 86R single cylinder models without a biased relief valve.													
	SSP-86R1-02	GAST Sound Shield Kit: 1/4 in Inlet Size, 4.4 cfm, 8.68 in Overall Ht, 100 micron Filter Rating, reduces sound levels up to a 25% dB(A) drop, fits all Gast rocking piston 86R single cylinder models with a biased relief valve.													
	SSP-87R6-01	GAST Sound Shield Installation Kit - Pressure Applications: 1/4 in Inlet Size, 4.4 cfm, reduces sound levels up to a 25% dB(A) drop, fits all Gast rocking piston 87R twin cylinder models without a biased relief valve.													
	SSP-87R6-02	GAST Sound Shield Installation Kit - Pressure Applications: 1/4 in Inlet Size, 4.4 cfm, reduces sound levels up to a 25% dB(A) drop, for all Gast rocking piston 87R twin cylinder models with a biased relief valve													
	SSP-120R6-01	GAST 120R Sound Shield Installation Kit - Reduces sound levels up to a 25% dB(A) drop, for Gast rocking piston 120R - 784T99													