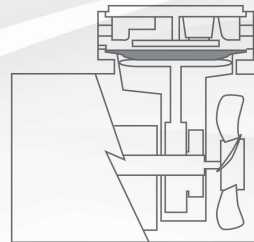


DIAPHRAGM AIR COMPRESSORS



FUNCTION

In reciprocating motion, with a short stroke, the diaphragm at the top of the connecting rod flexes up and down in a closed chamber, creating pressure or vacuum.



PRESSURE

60
PSI_g | **4.2**
BAR

VACUUM

29
inHg | **31**
mbar

AIR FLOW

3.8
CFM | **6.5**
m³/H

FEATURES

- Oil-less
- Rugged construction
- Quiet
- Cooler air output
- Easy maintenance
- Compact, lightweight
- Corrosion resistant
- Low power consumption
- Standard, twin, and miniature styles
- Electric motors available in dual frequency, shaded pole, and permanent split capacitor (psc) versions as well as AC multi-voltages for worldwide applications
- 4–24 volt DC options on the miniature styles

TYPICAL APPLICATIONS

- Blood analysis
- Respirators/nebulizers
- Vacuum pad hold-down
- Dental/surgical
- Automobile cruise controls
- Graphic arts equipment
- Air and gas analysis
- Breast pumps
- Sterilizers
- Air brushes
- Agricultural foam markers
- Oil atomizers
- Lab equipment

SPECIFICATIONS

	Model/Series	Power Rating		Free Air Flow	Maximum Pressure		Maximum Vacuum	
		hp	kW	LPM	PSI	BAR	inHg	mbar
Standard Diaphragm Models	MOA (AC/DC)	1/8	0.09	1.36	50	3.5	24	200
	MAA (AC)	1/8	0.09	2.68	50	3.5	28.5	48
	DOA (AC/DC)	1/3	0.25	3.32	60	4.2	25.5	150
	DAA (AC)	1/15	0.37	6.46	60	4.2	29	31
Miniature Diaphragm Models	10D (DC)	-	-	3.8	15	1.0	15	505
	15D (DC)	-	-	4.3	15	1.0	14	526
	15D (DC)	-	-	7.0	20	2.0	20	335
	22D (AC)	1/20	0.04	26.3	25	1.7	23	234
	22D (DC)	1/8	0.09	36.8	25	1.7	22.5	251



Model / Series	Gast Part Number	Power Rating		Free Air Flow Rate		Maximum Pressure		Maximum Vacuum (60 Hz)		Thermal Protection	Operating Voltage
		60 Hz		CFM	m ³ /h	PSI	BAR	inHg	mbar		
10D	10D1126-401-7049B	Hp	1/125	0.25	0.42	15	1.03	14	474.09	No	12 VDC
	10D1126-401-7048B		1/125	0.25	0.42	15	1.03	14	474.09	No	24 VDC
15D	15D1150-401-7054B		1/50	0.25	2.21	20	1.38	20	677.28	No	24 VDC
DAA	DAA-V701-EB		1/4	1.1	1.87	-	-	1	960	Yes	110/115
DOA	DOA-P704-AA		1/8	1.1	1.87	60	4.14	25.5	863.53	Yes	115
	DOA-P707-AA		1/8	1.1	1.87	60	4.14	-	-	Yes	115
	DOA-P701-AA		1/8	1.1	1.87	60	4.14	-	-	Yes	115
	DOA-P707-FB		1/3	1.9	3.23	60	4.14	-	-	Yes	110/115
	DOA-P504-BN		1/8	0.9	1.53	60	4.14	25.5	863.53	Yes	220/240
	DOA-V722-AA		1/8	1	1.7	-	-	25.5	863.53	Yes	115
MAA	DOA-P701-DB		1/8	0.9	1.53	60	4.14	25	846	Yes	110/115
	DOA-V502-JK		1/8	1.83	3.11	-	-	24	812.73	No	12 VDC
	DOA-P501-FD		1/3	1.9	3.23	60	4.14	-	-	Yes	220/230
	MAA-P251-MB		1/8	1.83	3.11	50	3.45	24	812.73	Yes	110/115
MOA	MOA-P126-JK		1/16	0.8	1.35	50	3.45	-	-	No	24 VDC
	MOA-P101-AA		1/16	0.5	0.85	50	3.45	-	-	Yes	115
	MOA-V112-AE		1/16	0.5	0.85	-	-	24	812.73	Yes	110/115
	MOA-V111-JH		1/16	0.5	0.85	-	-	24	812.73	No	12 VDC