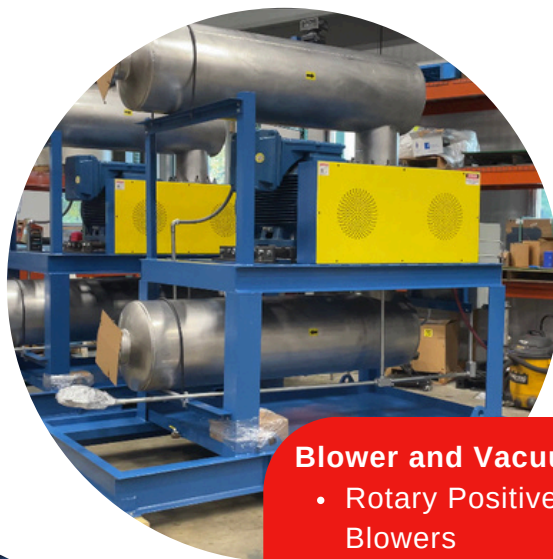


Packaged Solutions for Blowers and Vacuum Pumps



Blower and Vacuum Packages

- Rotary Positive Displacement Blowers
- Inlet and Discharge Silencers
- Controls and Instrumentation
- Sound Enclosures
- Digester Gas Boosting, Landfill Gas Recovery, Process Gas boosting, and more



Environmental Remediation Packages

- Sub Slab Depressurization for Buildings
- Sparge and Soil Vapor Extraction for Contaminated Soil Clean-up



Liquid Ring Vacuum Packages

- Vacuum Priming
- Resilient, widely applied
- Partial and full recovery systems

Geiger is a proud member of the Crane Group of companies.

Ask your Crane Engineering representative for Blower and Vacuum Solutions from Geiger!

Vacuum Resources



- SCFM: Flow in Cubic Feet per Minute under standard conditions (P = 14.7 PSIA, 68* F)
- ICFM: Inlet Cubic Feet per Minute – Flow at the inlet point
- ACFM: Actual Cubic Feet per Minute
- PSIG (aka Gauge Pressure): Differential from Atmosphere (14.7 + PSIG = PSIA)

EQUIVALENCE TABLE FOR PRESSURE/VACUUM MEASUREMENTS

* Micron	*TORR/ mmHG	mbar	* psi	*inches Hg absolute	*inches Hg gauge	atm	% vacuum
760,000	760	1013	14.696(14.7)	29.92	0.0	1.0	0.0
750,000	750	1000 (1 bar)	14.5	29.5	0.42	0.987	1.3
735,600	735.6	981	14.2	28.9	1.02	0.968	1.9
700,000	700	934	13.5	27.6	2.32	0.921	7.9
600,000	600	800	11.6	23.6	6.32	0.769	21
500,000	500	657	9.7	19.7	10.22	0.658	34
400,000	400	533	7.7	15.7	14.22	0.526	47
380,000	380	507	7.3	15.0	14.92	0.500	50
300,000	300	400	5.8	11.8	18.12	0.395	61
200,000	200	267	3.9	7.85	22.07	0.264	74
100,000	100	133.3	1.93	3.94	25.98	0.132	87
90,000	90	120	1.74	3.54	26.38	0.118	88
80,000	80	106.8	1.55	3.15	26.77	0.105	89.5
70,000	70	93.4	1.35	2.76	27.16	0.0921	90.8
60,000	60	80	1.16	2.36	27.56	0.0789	92.1
51,700	51.7	68.8	1.00	2.03	27.89	0.068	93.0
50,000	50	66.7	0.97	1.97	27.95	0.0658	93.5
40,000	40	53.3	0.77	1.57	28.35	0.0526	94.8
30,000	30	40.0	0.58	1.18	28.74	0.0395	96.1
25,400	25.4	33.8	0.4912	1.00	28.92	0.034	96.6
20,000	20	26.7	0.39	0.785	29.14	0.0264	97.4
10,000	10	13.33	0.193	0.394	29.53	0.0132	98.7
7,600	7.6	10.13	0.147	0.299	29.62	0.01	99.0
1,000	1	1.33	0.01934	0.03937	29.88	0.00132	99.9
750	0.75	1.00	0.0145	0.0295	29.89	0.000987	99.9
100	0.1	0.133	0.00193	0.00394	29.916	0.000132	99.99

1 bar = 14.5 psi

1 kg/cm² = 14.223 psi

1 inch = 25.4 mm

1 cubic foot = 7.4805 U.S. gallons

1 cubic foot = 28.32 liters

1 cubic meter = 35.31 cubic feet

Scientific notation is commonly used for high vacuum measurements

Example: .00000132 = 1.32 x 10⁻⁶

1 micron = 1 millionth of a meter

(The symbol for the unit micron is the Greek letter MU or μ)

1 millimeter = 1000μ

1 micron (1μ) = .001 mm or 1 x 10⁻³ mm

760,000 = 7.6 x 10⁵

Scan to Check
Out Our Guide!
6 Ways to Kill
Your Vacuum
Pump



Geiger provides expert design and fabrication services for blower and vacuum pump systems.

Contact us through your Crane Representative or visit:

<https://www.geigerinc.com/>