

WOB-L® PISTON

Compressors and Vacuum Pumps

8003 Series

MODELS:

Standard models available.

8003-0052, 8003-0055,

8003-0064, 8003-0068

Other models based on availability and minimum purchase.

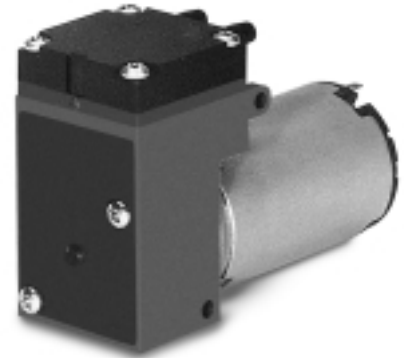
FEATURES:

- Oil-less, non-lubricated piston and cylinder
- Compact design
- Balanced for smooth, low vibration operation
- Suitable for continuous running
- Heat resistant high performance valves
- Long-life, high performance piston seal PTFE compound

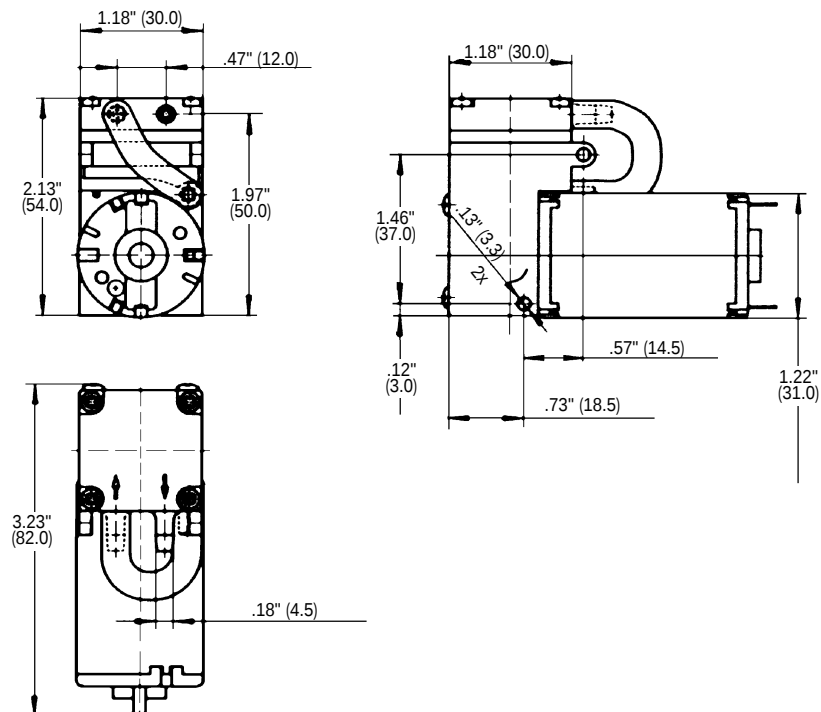
Consult factory for custom applications

DIMENSIONS:

Millimeters are in ()



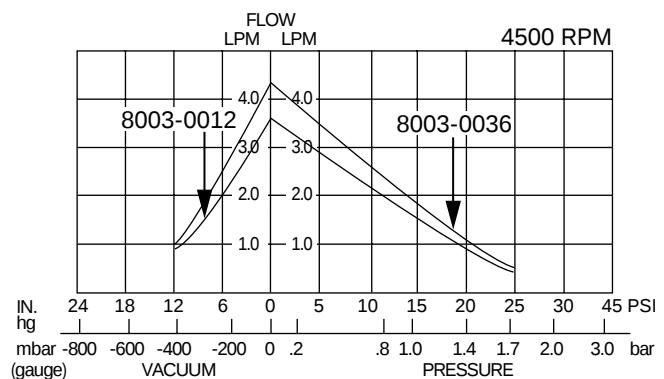
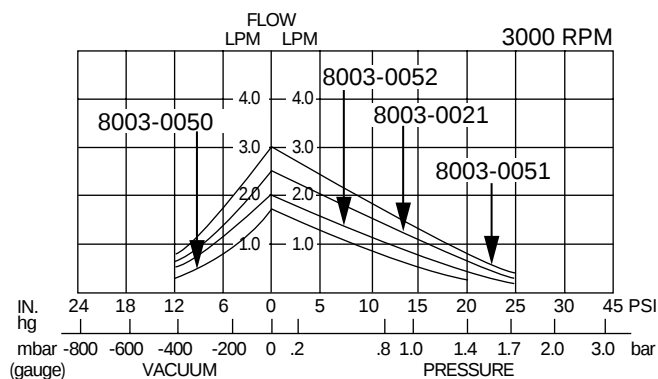
8003 Series



8003 SERIES PERFORMANCE DATA:

COMPRESSOR MODEL NUMBER: 6V 12V 24V		8003-0050 8003-0029 8003-0056		8003-0051 8003-0053 8003-0019		8003-0021 8003-0054 8003-0057		8003-0052 - STANDARD 8003-0055 - STANDARD 8003-0058		8003-0012		8003-0036	
HEAD CONFIGURATION:		Pressure		Pressure		Pressure		Pressure		Pressure		Pressure	
PRESSURE:		Flow @ 6V / 12V / 24V		Flow @ 6V / 12V / 24V		Flow @ 6V / 12V / 24V		Flow @ 12V / 24V		Flow @ 6V / 12V / 24V		Flow @ 6V / 12V / 24V	
LPM @ PSI	LPM @ bar												
PSI	bar	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0	0	1.7	1.7	2.0	2.0	2.5	2.5	3.0	3.0	3.6	3.6	4.3	4.3
5	.2	1.5	1.5	1.7	1.7	2.1	2.1	2.6	2.6	3.0	3.0	3.3	3.7
10	.4	1.0	1.2	1.3	1.5	1.5	1.8	1.8	2.2	2.1	2.6	2.9	3.1
15	.6	.6	1.0	.9	1.3	1.0	1.5	1.5	1.8	1.4	2.1	1.7	2.6
20	.8	.3	.8	.6	1.1	.7	1.3	1.2	1.5	1.0	1.8	1.1	2.1
25	1.0		.6	.2	.9	.3	1.1	.4	1.2	.4	1.4	.5	1.7
	1.4		.3		.6		.7		.8		1.0		1.1
	1.7				.2		.3		.4		.4		.5
MAX. CONTINUOUS PRESSURE:		23 PSI	1.6 bar	17 PSI	1.2 bar	15 PSI	1.0 bar	12 PSI	0.8 bar	15 PSI	1.0 bar	12 PSI	0.8 bar
MAX. INTERMITTENT PRESSURE:		23 PSI	1.6 bar	29 PSI	2.0 bar	29 PSI	2.0 bar	29 PSI	2.0 bar	29 PSI	2.0 bar	29 PSI	2.0 bar

VACUUM MODEL NUMBER: 6V 12V 24V		8003-0061 8003-0065 8003-0069		8003-0062 8003-0066 8003-0070		8003-0063 8003-0067 8003-0071		8003-0064 - STANDARD 8003-0068 - STANDARD 8003-0072		8003-0075		8003-0076	
HEAD CONFIGURATION:		Vacuum		Vacuum		Vacuum		Vacuum		Vacuum		Vacuum	
VACUUM:		Flow @ 6V / 12V / 24V		Flow @ 6V / 12V / 24V		Flow @ 6V / 12V / 24V		Flow @ 12V / 24V		Flow @ 6V / 12V / 24V		Flow @ 6V / 12V / 24V	
LPM @ IN. hg	LPM @ mbar (gauge)												
IN. hg	mbar (gauge)	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0	0	1.7	1.7	2.0	2.0	2.5	2.5	3.0	3.0	3.6	3.6	4.3	4.3
5	-100	1.3	1.3	1.6	1.6	1.9	1.9	2.3	2.3	2.7	2.7	3.3	3.3
10	-200	1.0	1.0	1.2	1.2	1.4	1.4	1.7	1.7	2.0	2.0	2.4	2.4
15	-400	.3	.3	.5	.5	.6	.6	.7	.7	.9	.9	1.0	1.0
MAX. VACUUM:		14.8" hg	-500 mbar	16.8" hg	-570 mbar	17.1" hg	-580 mbar	17.4" hg	-590 mbar	17.1" hg	-580 mbar	17.4" hg	-590 mbar
AMBIENT TEMPERATURE:		50°-104°F	10°C-40°C	50°-104°F	10°C-40°C	50°-104°F	10°C-40°C	50°-104°F	10°C-40°C	50°-104°F	10°C-40°C	50°-104°F	10°C-40°C
GAS TEMPERATURE:		50°-140°F	10°C-60°C	50°-140°F	10°C-60°C	50°-140°F	10°C-60°C	50°-140°F	10°C-60°C	50°-140°F	10°C-60°C	50°-140°F	10°C-60°C
MAX. RESTART PRESSURE:		0 PSI	0 bar	0 PSI	0 bar	0 PSI	0 bar	0 PSI	0 bar	0 PSI	0 bar	0 PSI	0 bar
MAX. RESTART VACUUM:		14.8" hg	-500 mbar	16.8" hg	-570 mbar	17.1" hg	-580 mbar	17.4" hg	-590 mbar	17.1" hg	-580 mbar	17.4" hg	-590 mbar
MOTOR TYPE:		PM		PM		PM		PM		PM		PM	
MOTOR VOLTAGE:		6V DC/12V DC/24V DC		6V DC/12V DC/24V DC		6V DC/12V DC/24V DC		6V DC/12V DC/24V DC		12V DC		12V DC	
POWER CONSUMPTION (WATTS):		6		6		6		6		6		6	
INSULATION CLASS:		E		E		E		E		E		E	
PROTECTION CLASS:		IP20		IP20		IP20		IP20		IP20		IP20	
NOMINAL SPEED (RPM):		3000		3000		3000		3000		4500		4500	
WEIGHT:		.4 lbs.	.19 Kg	.4 lbs.	.19 Kg	.4 lbs.	.19 Kg	.4 lbs.	.19 Kg	.4 lbs.	.19 Kg	.4 lbs.	.19 Kg



The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable and is offered as an aid to help in the selection of Thomas products. It is the responsibility of the user to determine the suitability of the product for his intended use and the user assumes all risk and liability whatsoever in connection therewith. Thomas Industries does not warrant, guarantee or assume any obligation or liability in connection with this information.

Note: Models pictured are representative of the series and do not represent a specific model number. Consult factory for detailed physical description.