

WOB-L® PISTON

Pumps and Compressors

8009 Series

MODELS:

Standard models available.

8009-1020, 8009-1032

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
- Corrosion protected aluminum parts stainless steel valve
- Long-life, high performance piston seal (PTFE compound)

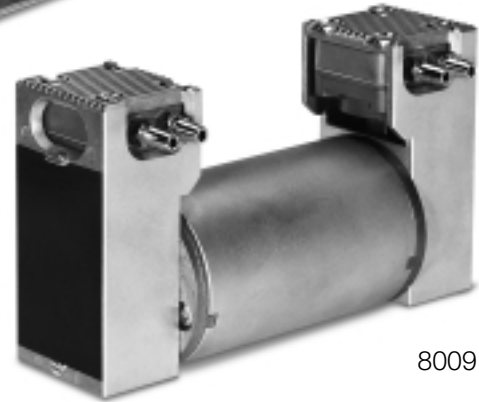
Consult factory for custom applications

DIMENSIONS:

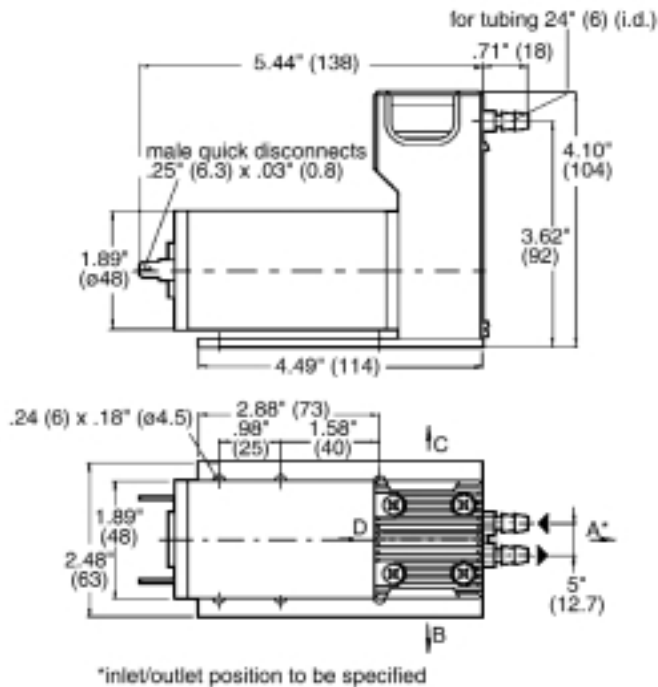
Millimeters are in ()



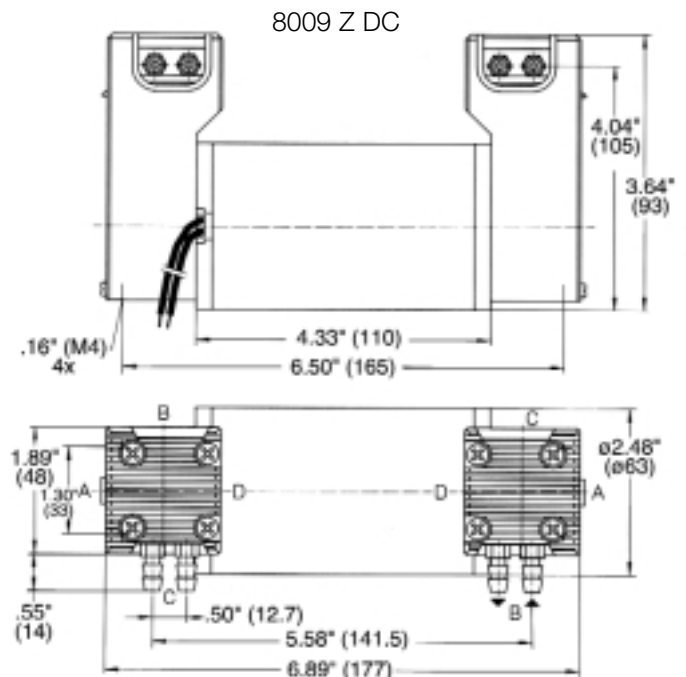
8009 DC



8009 Z DC



8009 DC

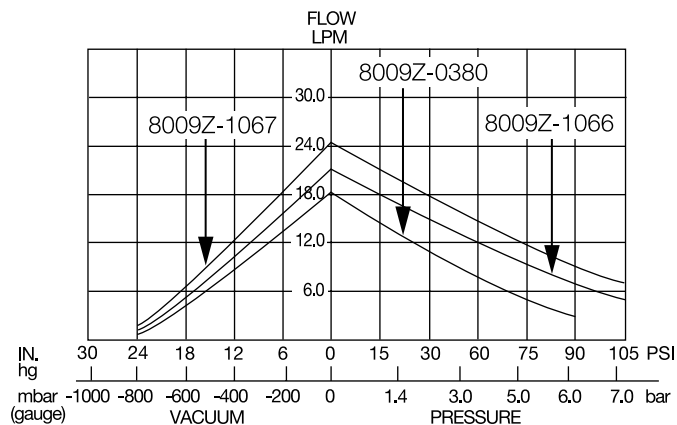
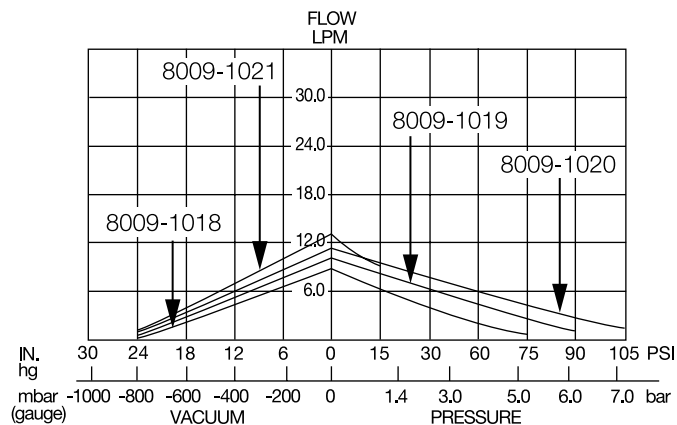


8009 Z DC

8009 SERIES PERFORMANCE DATA:

		STANDARD													
MODEL DESCRIPTION:		8009-25/15		8009-30/10		8009-35/15		8009-40/00		8009Z-30M/00		8009Z-35M/05		8009Z-40M/00	
COMPRESSOR ARTICLE NO.		12V 24V		8009-1018 8009-1030		8009-1019 8009-1031		8009-1020 8009-1032		8009-1021 8009-1033		8009-0380*		8009-1066*	
HEAD CONFIGURATION:		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum	
PRESSURE:		Flow @ 12V / 24V		Flow @ 12V / 24V		Flow @ 12V / 24V		Flow @ 12V / 24V		Flow @ 12V / 24V		Flow @ 24V		Flow @ 24V	
LPM @ PSI		LPM @ bar													
PSI	bar	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0	0	8.9	8.9	10.2	10.2	11.4	11.4	13.0	13.0	18.4	18.4	21.4	21.4	24.5	24.5
5	.5	7.4	6.6	8.7	8.0	10.2	9.3	11.6	10.4	16.7	16.0	19.5	18.7	22.8	21.6
10	1.0	5.8	5.4	7.3	6.8	9.0	8.8	9.5	9.0	14.9	14.2	17.4	16.7	20.0	19.1
20	2.0	5.0	4.3	6.2	5.1	8.0	6.4	6.0		13.2	11.4	15.6	13.4	17.8	15.3
40	3.0	3.4	3.2	4.4	4.1	5.5	5.0			10.0	9.3	12.3	11.7	14.0	13.4
60	4.0	2.0	2.0	3.1	3.1	4.0	4.0			7.2	7.2	10.0	10.0	11.8	11.8
80	5.0	.6	.9	1.8	2.2	3.0	3.2			4.4	5.1	7.7	8.3	9.7	10.2
100	6.0			.4	1.1	2.0	2.4			1.0	3.0	5.5	6.6	7.5	8.6
	7.0					1.8							5.0		7.0
MAX. CONTINUOUS PRESSURE:		29 PSI		2.0 bar		22 PSI		1.5 bar		17 PSI		1.2 bar		15 PSI	
MAX. INTERMITTENT PRESSURE:		80 PSI		5.5 bar		94 PSI		6.5 bar		102 PSI		7.0 bar		102 PSI	
VACUUM:		Flow @ 12V / 24V		Flow @ 12V / 24V		Flow @ 12V / 24V		Flow @ 12V / 24V		Flow @ 24V		Flow @ 24V		Flow @ 24V	
LPM @ IN. hg	LPM @ mbar (gauge)														
IN. hg	mbar (gauge)	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM
0	0	8.9	8.9	10.2	10.2	11.4	11.4	13.0	13.0	18.4	18.4	21.4	21.4	24.5	24.5
5	-200	6.1	5.5	7.2	6.6	8.5	7.9	9.7	9.0	14.7	14.0	17.3	16.5	20.0	19.1
10	-400	3.9	3.6	4.7	4.3	5.7	5.3	6.5	6.0	10.3	9.6	12.3	11.5	14.5	13.6
15	-600	2.1	1.8	2.6	2.2	3.2	2.8	3.7	3.2	5.9	5.1	7.2	6.4	8.9	8.0
20	-800	.5	.2	.7	.4	1.1	.7	1.2	.8	1.4	.7	2.1	1.2	3.3	2.4
25		.2		.5		.9		.9		.8		1.4		2.9	
MAX. VACUUM:		24.6" hg		-830 mbar		25.2" hg		-850 mbar		25.8" hg		-870 mbar		25.8" hg	
AMBIENT TEMPERATURE:		50°-104°F		10°-40°C		50°-104°F		10°-40°C		50°-104°F		10°-40°C		50°-104°F	
GAS TEMPERATURE:		50°-140°F		10°-60°C		50°-140°F		10°-60°C		50°-140°F		10°-60°C		50°-140°F	
MAX. RESTART PRESSURE:		15 PSI		1.0 bar		12 PSI		0.8 bar		9 PSI		0.6 bar		7 PSI	
MAX. RESTART VACUUM:		24.6" hg		-830 mbar		23.7" hg		-800 mbar		17.8" hg		-600 mbar		14.8" hg	
MOTOR TYPE:		Permanent Magnet		Permanent Magnet		Permanent Magnet		Permanent Magnet		Permanent Magnet		Permanent Magnet		Permanent Magnet	
MOTOR VOLTAGE:		12V /24V		12V /24V		12V /24V		12V /24V		24V		24V		24V	
POWER CONSUMPTION (WATTS):		32		32		32		32		80		80		80	
INSULATION CLASS:		E		E		E		E		E		E		E	
PROTECTION CLASS:		IP40		IP40		IP40		IP40		IP40		IP40		IP40	
NOMINAL SPEED (RPM):		2800		2800		2800		2800		2900		2900		2900	
WEIGHT:		2.4 lbs.		1.1 Kg		2.4 lbs.		1.1 Kg		2.4 lbs.		1.1 Kg		2.4 lbs.	

* = 2 twin models
AC models consult factory.



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.

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