135 Series

THOMAS
by Gardner Denver

FEATURES

> Oil-less operation
> Built-in inlet filter
> Dust and moisture resistant
> Proven WOB-L technology
> Stainless steel and silicone valves
> Balanced for smooth, low vibration
> Long life, high performance PTFE compound piston seal
> Permanently lubricated motor shaft and connecting rod bearings
> Lightweight plastic and die-cast zinc-aluminum alloy components
> Optional solenoid valve and swivel connector (135SDCs)
> RoHS compliant

Declaration documentation available upon request

BASE MODELS

135ADC56/12
135SDC56/12
(12V DC)

135ADC56/24
135SDC56/24
(24V DC)



135ADC



135SDC

TYPICAL APPLICATIONS

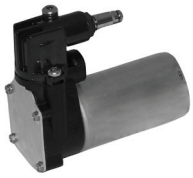
> Air Seats
> Air Suspension
> Robotic Pipeline Inspection
> Food & Beverage Equipment



WOB-L

135 Series

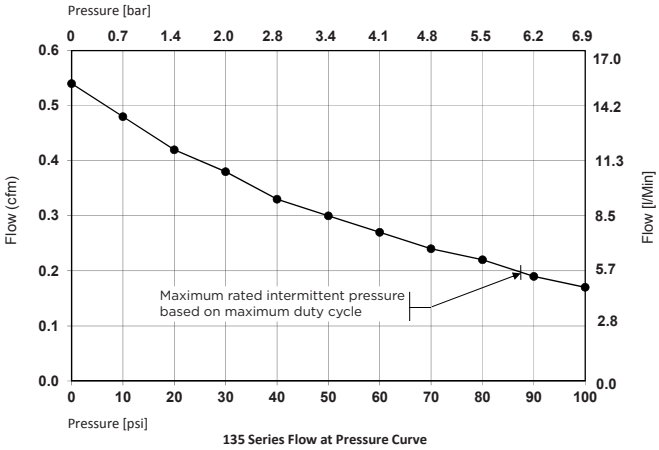
Flow	0.54 cfm (15.3 l/min)
Max. intermittent pressure	87 psi (6.0 bar)
Max. vacuum	N/A



135ADC



135SDC



135 Series Flow at Pressure Curve

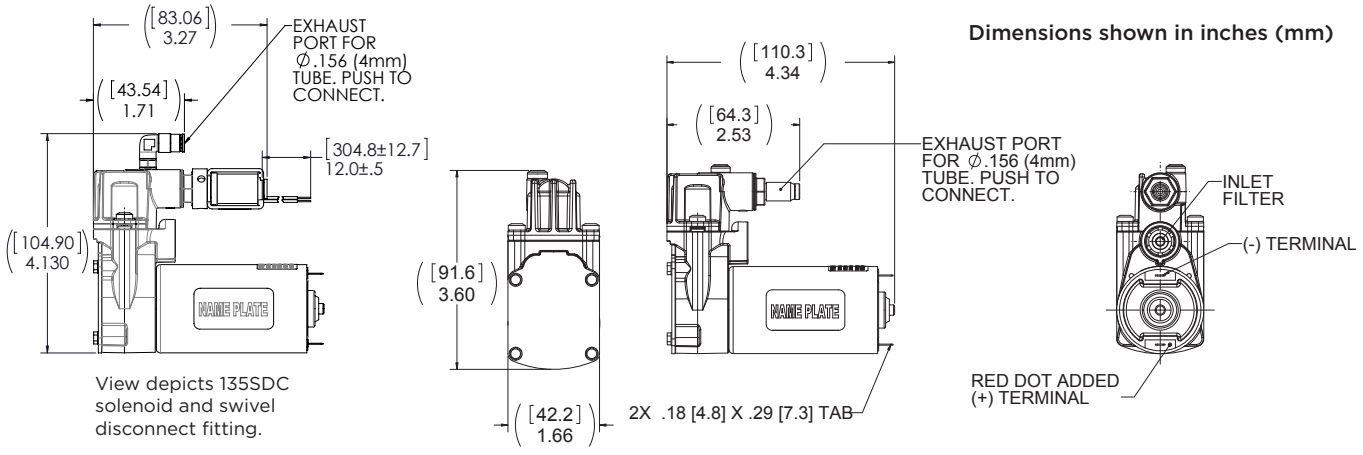
NOTE: All test values are nominal and for reference only. They are not guaranteed maximum or minimum limits, nor do they imply mean or median.

PERFORMANCE DATA T16-0483				
Model Number	135ADC56/12	135SDC56/12	135ADC56/24	135SDC56/24
Head Configuration	Pressure only	Pressure only	Pressure only	Pressure only
Stroke	0.56 in. (14.2 mm)	0.56 in. (14.2 mm)	0.56 in. (14.2 mm)	0.56 in. (14.2 mm)
Nominal voltage input	12V DC	12V DC	24V DC	24V DC
Max. open air flow	0.54 cfm (15.3 l/min)	0.54 cfm (15.3 l/min)	0.54 cfm (15.3 l/min)	0.54 cfm (15.3 l/min)
Max. rated intermittent pressure	87 psi (6.0 bar)	87 psi (6.0 bar)	87 psi (6.0 bar)	87 psi (6.0 bar)
Current at rated pressure	7.9A	7.9A	3.8A	3.8A
Power at rated pressure	95W	95W	92W	92W
Speed at rated pressure	3915 rpm	3915 rpm	4480 rpm	4480 rpm
Maximum duty cycle	1 min. on / 20 min. off	1 min. on / 20 min. off	1 min. on / 20 min. off	1 min. on / 20 min. off
Maximum pressure restart	120 psi (8.3 bar)	120 psi (8.3 bar)	120 psi (8.3 bar)	120 psi (8.3 bar)
Solenoid max operating pressure	n/a	175 psi (8.3 bar)	n/a	175 psi (12.1 bar)

ELECTRICAL DATA				
Motor type (Capacitance)	Permanent Magnet	Permanent Magnet	Permanent Magnet	Permanent Magnet
Motor locked rotor current	29.0A	29.0A	17.0A	17.0A
Motor insulation class	Constructed for class B	Constructed for class B	Constructed for class B	Constructed for class B
Recommended fuse (customer)	10 Amp	10 Amp	5.5 Amp	5.5 Amp
Solenoid electrical connection	n/a	20 AWG lead wire SXL, black	n/a	20 AWG lead wire SXL, black
Solenoid voltage (Range)	n/a	12V DC (9-16V)	n/a	24V DC (19-28V)

GENERAL DATA				
Maximum ambient air temperature	+149°F (+65°C)	+149°F (+65°C)	+149°F (+65°C)	+149°F (+65°C)
Minimum ambient start temperature	-22°F (-30°C)	-22°F (-30°C)	-22°F (-30°C)	-22°F (-30°C)
Safety certification	Tested per EN60335	Tested per EN60335	Tested per EN60335	Tested per EN60335
Net weight	1.16 lbs (0.53 kg)	1.26 lbs (0.57 kg)	1.16 lbs (0.53 kg)	1.26 lbs (0.57 kg)

PRODUCT DIMENSIONS



View depicts 135SDC solenoid and swivel disconnect fitting.

PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE
gd-thomas.com

THOMAS
by Gardner Denver

Gardner Denver Thomas GmbH
Livry-Gargan-Str. 10
82256 Fürstenfeldbruck
Germany
T +49 8141 2280 0
F +49 8141 8892136
thomas.de@gardnerdenver.com

Gardner Denver Thomas Pneumatic Systems (Wuxi) Co. Ltd.
1 New Dong'an Road, Shuofang Town
Xinwu District, Wuxi
Jiangsu, 214142 China
T +86 510 6878 2258
F +86 510 6878 2200
thomas.cn@gardnerdenver.com

Gardner Denver Thomas, Inc.
1419 Illinois Avenue
Sheboygan, WI 53081
USA
T +1 920 4574891
F +1 920 4514276
td.usa@gardnerdenver.com

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 the intended use and the user assumes all risk and liability in connection there with. Thomas does not warrant, guarantee or assume any obligation or liability in connection with this information.

Models presented in this catalog are representative of the product family. Photos of products pictured in this catalog do not necessarily represent a specific model number. To obtain further information for custom options, contact your local Thomas office.

Printed in U.S.A Form No. 850-4010 01/2019

© Gardner Denver Thomas, Inc. All rights reserved.