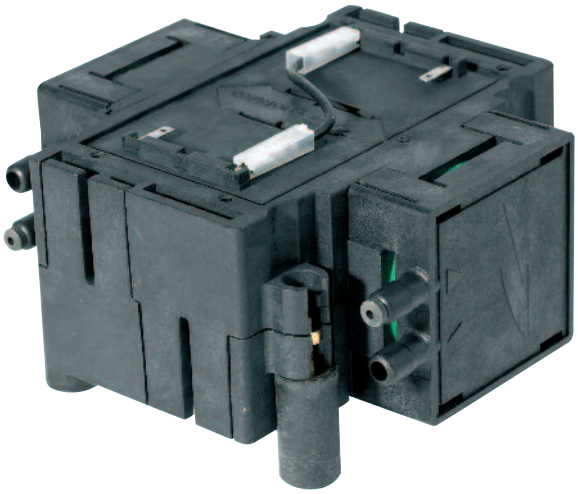
LINEAR

Linear Diaphragm Pumps

MODELS

LM 15
LM 22



OIL-LESS

PRODUCT FEATURES

- Oil-less
- Maintenance free
- Long life
- Compact
- High flow
- Low power consumption

TYPICAL APPLICATIONS

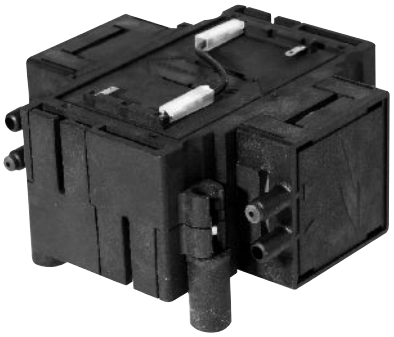
- Medical
- Aeration
- Gas circulation
- Gas/particle analysis
- Energy technology

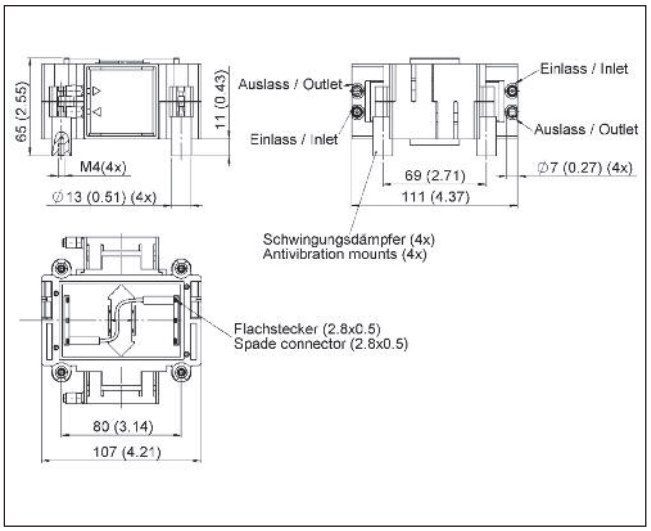
TÜV SÜD ISO 9001

THOMAS
A Gardner Denver Product

Linear Diaphragm Pump LM 15 AC

Flow at 100 mbar	12,5 l/min





Pneumatic Data		
Description	LM 15 230 V/50 Hz	LM 15 115 V/60 Hz
Part number	6440002	6440006
Flow at 100 mbar	12,5 l/min	12,5 l/min
Operating range	30% to 300 mbar	30% to 300 mbar

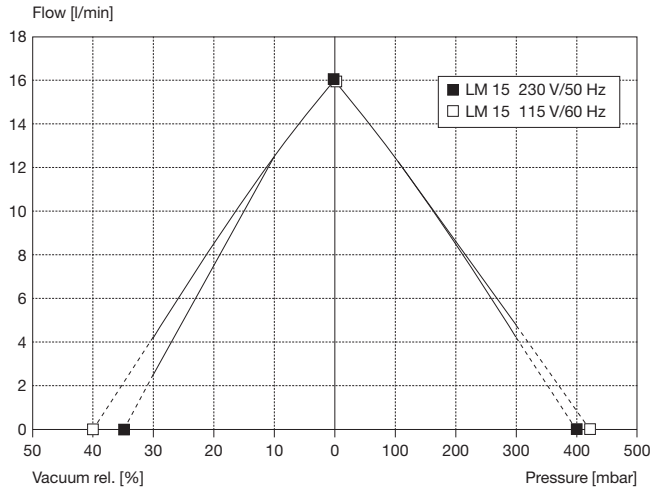
Electrical Data		
Motor type	Linear drive	Linear drive
Nominal voltage	230 V/50 Hz	115 V/60 Hz
Consumption max.*	0,13 A/18 W	0,26 A/19 W
Protection class	IP 20	IP 20

General Data		
Ambient temperature	10 to 50° C	10 to 50° C
Weight	0,95 kg	0,95 kg
Inlet/Outlet diameter	7 mm (4 x)	7 mm (4 x)

Wetted Parts		
Pump chamber	Polypropylene	Polypropylene
Nozzle plate	Polypropylene	Polypropylene
Diaphragm	EPDM	EPDM
Valve gasket	EPDM	EPDM

* Between 0 and 100 mbar.
All listed values are measured at standard atmospheric conditions and parallel connection.

Flow curves



Option

Valve gasket: FPM (Viton)
More antivibration mounts on request.
Position of inlet/outlet in 90° steps possible.

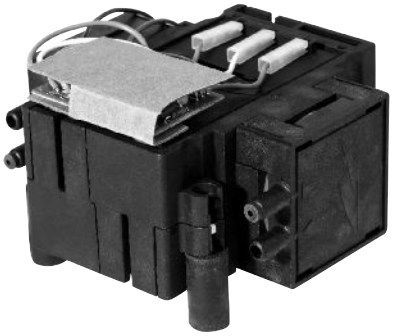
644... Stock programme

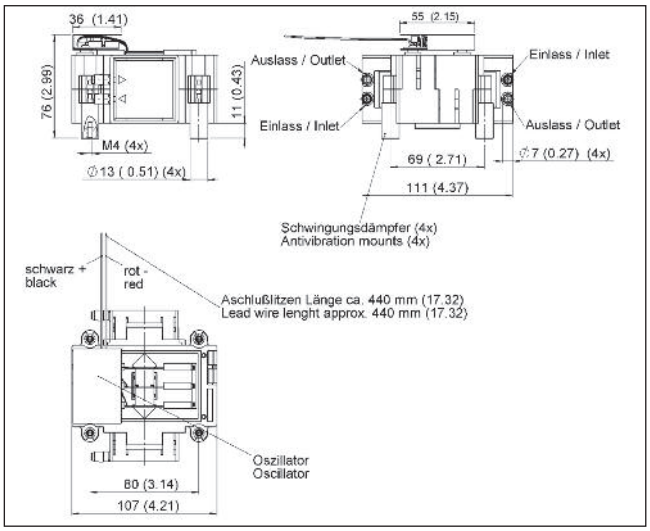
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THOMAS
A Gardner Denver Product

Linear Diaphragm Pump LM 15 DC

Flow at 100 mbar **11,5 l/min**





Pneumatic Data		
Description	LM 15 12 V DC	LM 15 24 V DC
Part number	6440010	6440014
Flow at 100 mbar	11,5 l/min	11,5 l/min
Operating range	20% to 200 mbar	20% to 200 mbar

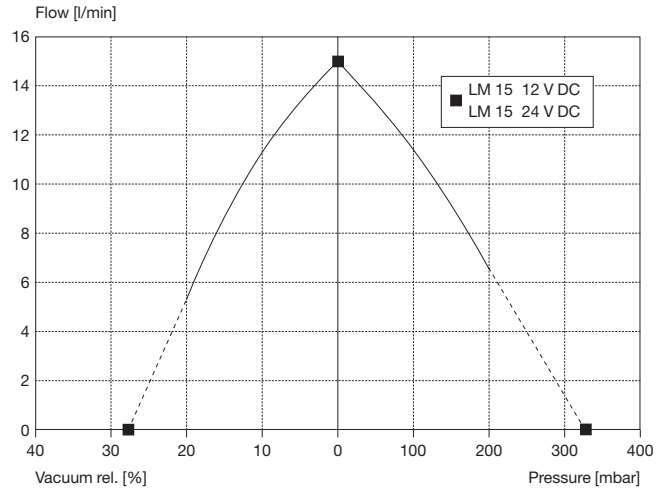
Electrical Data		
Motor type	Linear drive	Linear drive
Nominal voltage	12 V DC	24 V DC
Consumption max.*	1,40 A/17 W	0,70 A/17 W
Protection class	IP 20	IP 20

General Data		
Ambient temperature	10 to 50° C	10 to 50° C
Weight	0,95 kg	0,95 kg
Inlet/Outlet diameter	7 mm (4 x)	7 mm (4 x)

Wetted Parts		
Pump chamber	Polypropylene	Polypropylene
Nozzle plate	Polypropylene	Polypropylene
Diaphragm	EPDM	EPDM
Valve gasket	EPDM	EPDM

* Between 0 and 100 mbar.
All listed values are measured at standard atmospheric conditions and parallel connection.
Pumps include oscillator part number: 8807 (standard).

Flow curves



Option

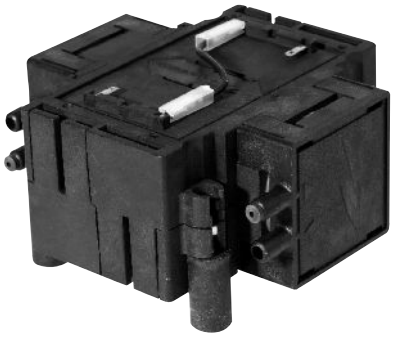
Valve gasket: FPM (Viton)
More antivibration mounts on request.
Position of inlet/outlet in 90° steps possible.

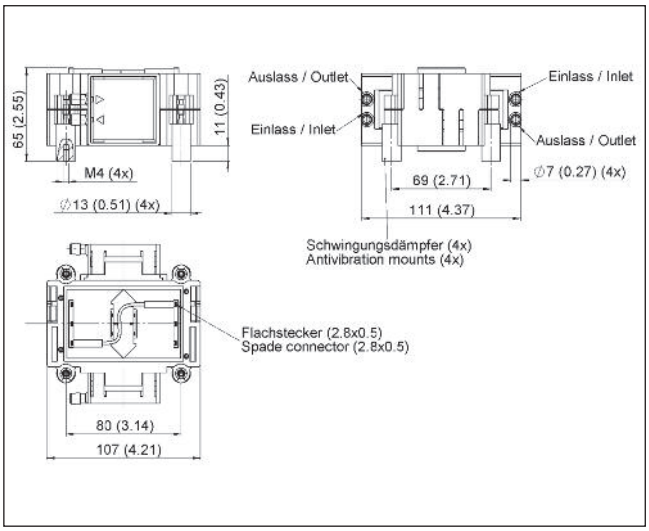
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THOMAS
A Gardner Denver Product

Linear Diaphragm Pump LM 22 AC

Flow at 100 mbar	16 l/min





Pneumatic Data	
Description	LM 22 230 V/50 Hz
Part number	6540002
Flow at 100 mbar	16 l/min
Operating pressure range	50 to 250 mbar
Operating vacuum range	5% to 25%

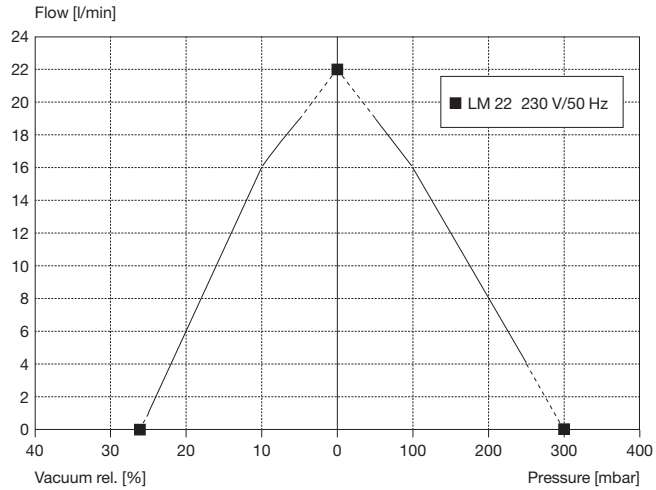
Electrical Data	
Motor type	Linear drive
Nominal voltage	230 V/50 Hz
Consumption max.*	0,10 A/18 W
Protection class	IP 20

General Data	
Ambient temperature	10 to 50° C
Weight	0,95 kg
Inlet/Outlet diameter	7 mm (4x)

Wetted Parts	
Pump chamber	Polypropylene
Nozzle plate	Polypropylene
Diaphragm	EPDM
Valve gasket	EPDM

* Between 0 and 100 mbar.
All listed values are measured at standard atmospheric conditions and parallel connection.

Flow curves



Option

654... Stock programme

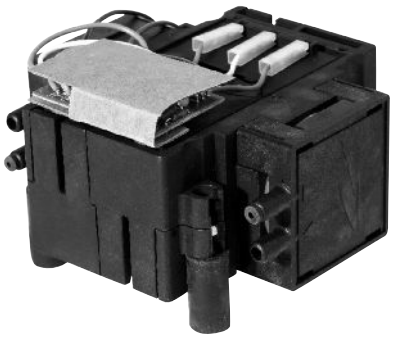
Valve gasket: FPM (Viton)
More antivibration mounts on request.
Position of inlet/outlet in 180° steps possible.

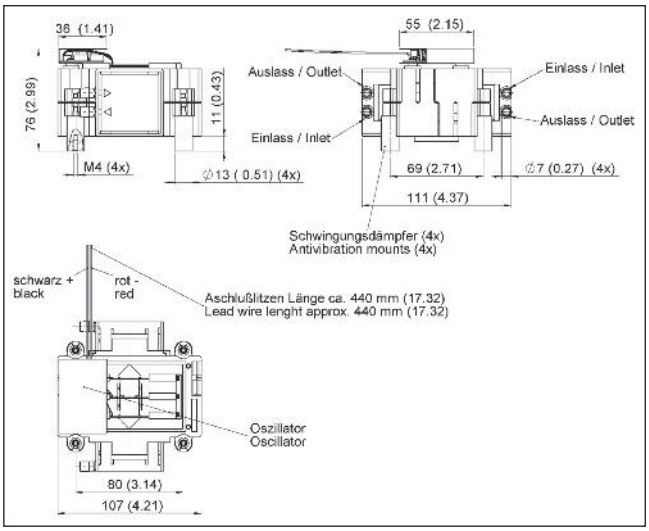
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THOMAS
A Gardner Denver Product

Linear Diaphragm Pump LM 22 DC

Flow at 100 mbar **15 l/min**





Pneumatic Data		
Description	LM 22 12 V DC	LM 22 24 V DC
Part number	6540010	6540014
Flow at 100 mbar	15 l/min	15 l/min
Operating range	20% to 200 mbar	20% to 200 mbar

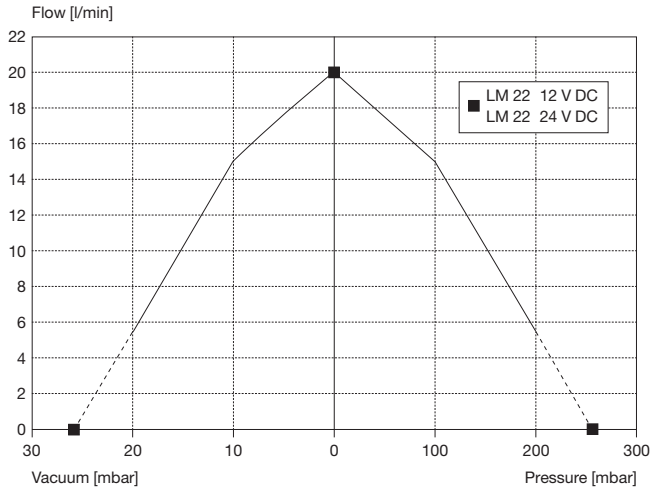
Electrical Data		
Motor type	Linear drive	Linear drive
Nominal voltage	12 V DC	24 V DC
Consumption max.*	1,60 A/18 W	0,80 A/18 W
Protection class	IP 20	IP 20

General Data		
Ambient temperature	10 to 50° C	10 to 50° C
Weight	0,95 kg	0,95 kg
Inlet/Outlet diameter	7 mm (4x)	7 mm (4x)

Wetted Parts		
Pump chamber	Polypropylene	Polypropylene
Nozzle plate	Polypropylene	Polypropylene
Diaphragm	EPDM	EPDM
Valve gasket	EPDM	EPDM

* Between 0 and 100 mbar.
All listed values are measured at standard atmospheric conditions and parallel connection.
Pumps include oscillator part number: 8807 (standard).

Flow curves



Option
Valve gasket: FPM (Viton)
More antivibration mounts on request.
Position of inlet/outlet in 90° steps possible.

654... Stock programme

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Printed in Germany.
Art.-Nr.: 17000096 10/2014HMU
ClimatePartner
printed climate-neutrally

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