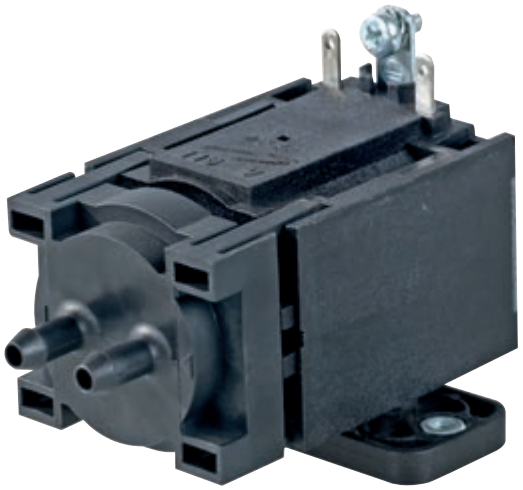
LINEAR DIAPHRAGM LIQUID PUMP
LMF SERIES

MODELS

LMF3 115/230 V AC
LMF3 12/24 V AC
LMF4 115/230 V AC
LMF4 12/24 V AC



LMF Series

FEATURES

- High Lifetime
- Low Sound
- Self Priming

TYPICAL APPLICATIONS

- Industrial Applications
- Medical Devices
- Laboratory and Analysis
- Dosing Applications
- HVAC
- Fuel Cells

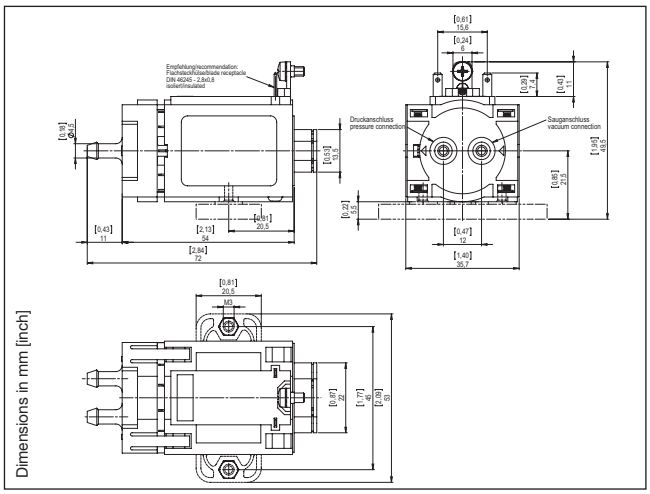
TÜV SÜD ISO 9001

THOMAS
by Gardner Denver

Linear Diaphragm Liquid Pump LMF3 115/230 V AC

Flow	**185 ml/min**
Pressure height	**7 m H_2O**
Suction height	**2 m H_2O**





Hydraulic Data		
Description		LMF3 115/230 V AC PP/PBT/EPDM
Part number	115 V/60 Hz	9471410
	230 V/50 Hz	9470410
Max. flow		185 ml/min
Max. continuous pressure height (flooded)		7 m H_2O
Max. suction height (flooded)		3,5 m H_2O
Max. suction height (dry)		2 m H_2O

Electrical Data	
Motor type	Linear magnetic drive
Nominal voltage	115 V 60 Hz / 230 V 50 Hz
Max. power consumption	4,6 W
Protection class	IP00

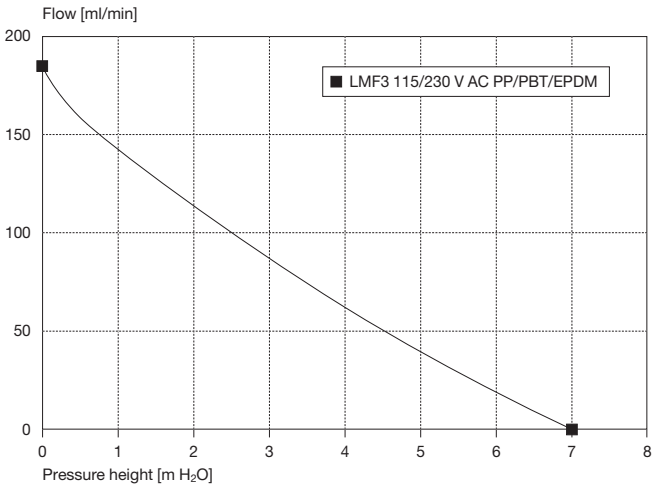
General Data	
Ambient temperature	0 to 50°C
Media temperature	0 to 50°C
Weight	0,14 kg

Wetted Parts	
Pump chamber	PP
Nozzle plate	PBT
Diaphragm	EPDM
Valve gasket	EPDM

All listed values are average values and related to a Silicone tubing, OD 6,5 mm x ID 4,5 mm, Hardness Shore D 50.
Tolerances depend on viscosity of media, temperature, position of pump/tubing.

Flow Curves

947... Stock programme

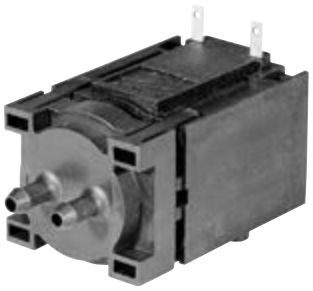


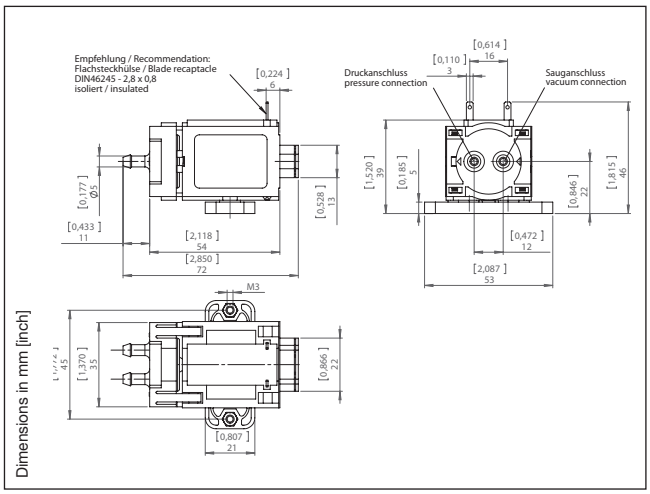
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THOMAS
by Gardner Denver

Linear Diaphragm Liquid Pump LMF3 12/24 V AC

Flow	**185 ml/min**
Pressure height	**7,2 m H_2O**
Suction height	**2 m H_2O**





Hydraulic Data

Description		LMF3 12/24 V AC PP/PBT/EPDM
Part number	12 V/50 Hz	9474310
	24 V/50 Hz	9473310
Max. flow		185 ml/min
Max. continuous pressure height (flooded)		7,2 m H_2O
Max. suction height (flooded)		3,5 m H_2O
Max. suction height (dry)		2 m H_2O

Electrical Data

Motor type	Linear magnetic drive
Nominal voltage	12 V 50 Hz / 24 V 50 Hz
Max. power consumption	3,8 W
Protection class	IP00

General Data

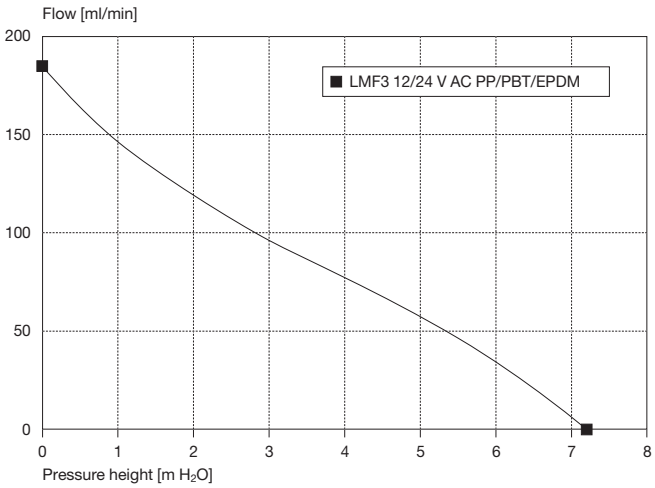
Ambient temperature	0 to 50°C
Media temperature	0 to 50°C
Weight	0,16 kg

Wetted Parts

Pump chamber	PP
Nozzle plate	PBT
Diaphragm	EPDM
Valve gasket	EPDM

All listed values are average values and related to a Silicone tubing, OD 6,5 mm x ID 4,5 mm, Hardness Shore D 50.
Tolerances depend on viscosity of media, temperature, position of pump/tubing. Dry running during self priming only.
An oscillator for DC supply can be purchased separately under the article number 90520.

Flow Curves



947... Stock programme

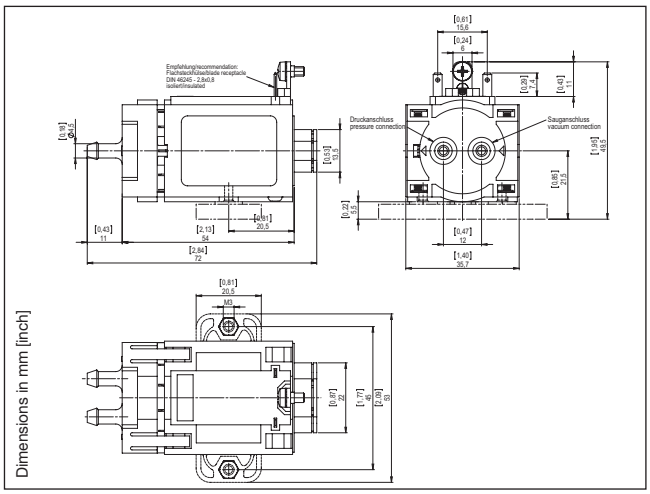
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THOMAS
by Gardner Denver

Linear Diaphragm Liquid Pump LMF4 115/230 V AC

Flow	**300 ml/min**
Pressure height	**8 m H_2O**
Suction height	**3 m H_2O**





Hydraulic Data		
Description		LMF4 115/230 V AC PP/PBT/EPDM
Part number	115 V/60 Hz	9441410
	230 V/50 Hz	9440410
Max. flow		300 ml/min
Max. continuous pressure height (flooded)		8 m H_2O
Max. suction height (flooded)		3,5 m H_2O
Max. suction height (dry)		3 m H_2O

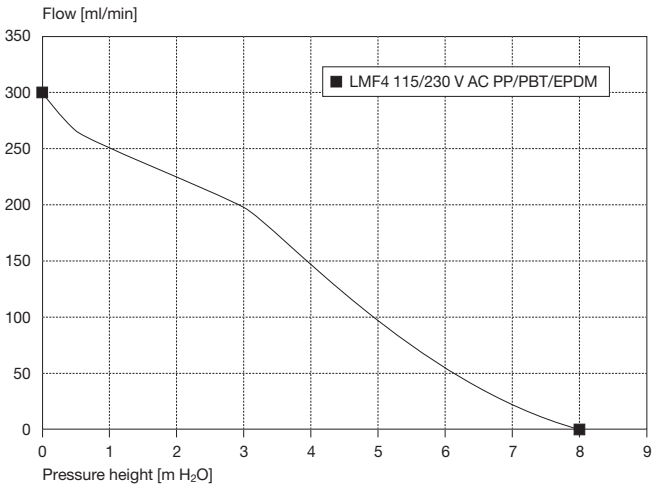
Electrical Data	
Motor type	Linear magnetic drive
Nominal voltage	115 V 60 Hz / 230 V 50 Hz
Max. power consumption	4,4 W
Protection class	IP00

General Data	
Ambient temperature	0 to 50°C
Media temperature	0 to 50°C
Weight	0,165 kg

Wetted Parts	
Pump chamber	PP
Nozzle plate	PBT
Diaphragm	EPDM
Valve gasket	EPDM

All listed values are average values and related to a Silicone tubing, OD 6,5 mm x ID 4,5 mm, Hardness Shore D 50.
Tolerances depend on viscosity of media, temperature, position of pump/tubing.
Dry running during self priming only.

Flow Curves



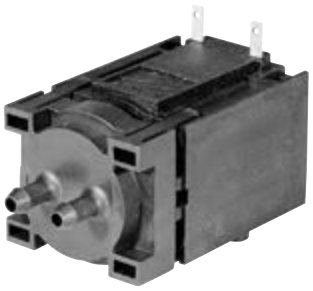
944... Stock programme

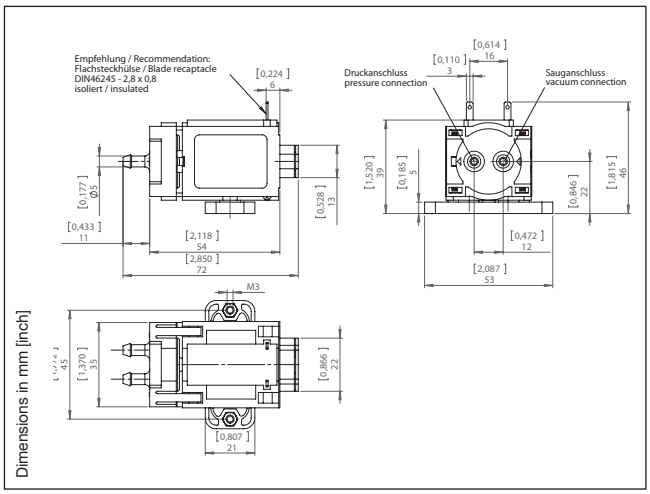
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THOMAS
by Gardner Denver

Linear Diaphragm Liquid Pump LMF4 12/24 V AC

Flow	**300 ml/min**
Pressure height	**9 m H_2O**
Suction height	**3 m H_2O**





Hydraulic Data

Description		LMF4 12/24 V AC PP/PBT/EPDM
Part number	12 V/50 Hz	9444310
	24 V/50 Hz	9443310
Max. flow		300 ml/min
Max. continuous pressure height (flooded)		9 m H_2O
Max. suction height (flooded)		5 m H_2O
Max. suction height (dry)		3 m H_2O

Electrical Data

Motor type	Linear magnetic drive
Nominal voltage	12 V 50 Hz/ 24 V 50 Hz
Max. power consumption	3,9 W
Protection class	IP00

General Data

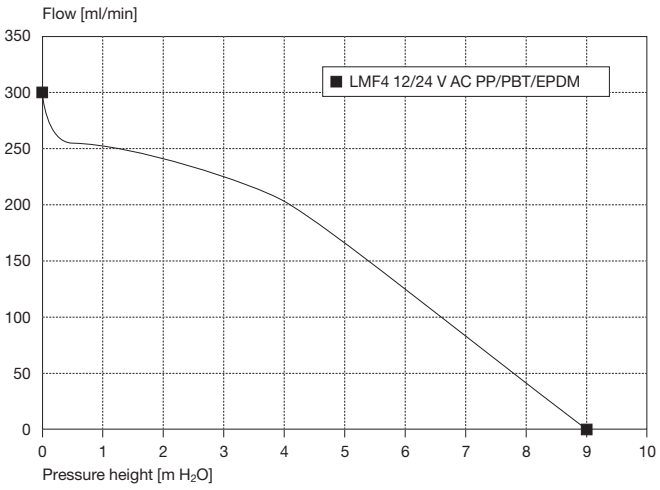
Ambient temperature	0 to 50°C
Media temperature	0 to 50°C
Weight	0,165 kg

Wetted Parts

Pump chamber	PP
Nozzle plate	PBT
Diaphragm	EPDM
Valve gasket	EPDM

All listed values are average values and related to a Silicone tubing, OD 6,5 mm x ID 4,5 mm, Hardness Shore D 50.
Tolerances depend on viscosity of media, temperature, position of pump/tubing. Dry running during self priming only.
An oscillator for DC supply can be purchased separately under the article number 90520.

Flow Curves



944... Stock programme

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THOMAS by Gardner Denver



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