

1210 Series

THOMAS
by Gardner Denver

FEATURES

- > Handles liquid/gas mixture
- > Self priming
- > High flow
- > High pressure
- > Compact design
- > Reduced pulsation
- > Bubble free media transfer

TYPICAL APPLICATIONS

- > Ink Jet Printers
- > Diagnostic Workstations
- > Fuel Cells

BASE MODEL

1210 DC

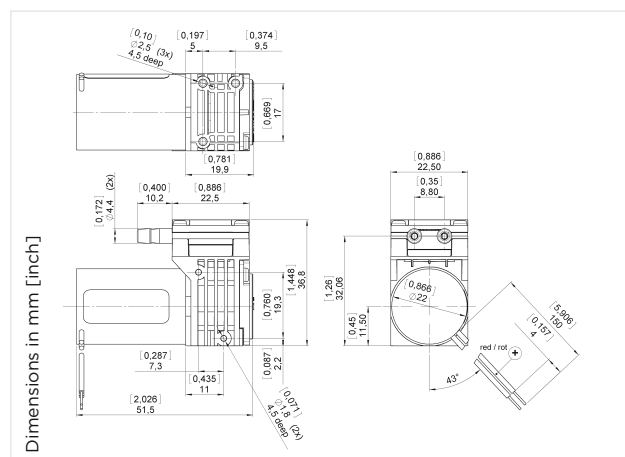
1210 LC



Diaphragm

Diaphragm Liquid Pump 1210 DC

Flow	180 ml/min
Pressure height	up to 80 m H ₂ O
Suction height	6 m H ₂ O



HYDRAULIC DATA

Description	1210 DC PP/EPDM	1210 DC PP/FPM
Part number	12 V DC 24 V DC	12 V DC 24 V DC
Max. flow	180 ml/min	150 ml/min
Max. intermittent pressure height	80 m H ₂ O	60 m H ₂ O
Max. continuous pressure height	30 m H ₂ O	30 m H ₂ O
Max. suction height	6 m H ₂ O	5 m H ₂ O

ELECTRICAL DATA

Motor type	Ironless Core DC	Ironless Core DC
Nominal speed	2800 rpm	2700 rpm
Nominal voltage	12/24 V DC	12/24 V DC
Max. power consumption @ 10 m H ₂ O	1,5 W	1,6 W
Motor insulation class	H	H
Protection class	IP00	IP00
EMC protection	yes	yes

GENERAL DATA

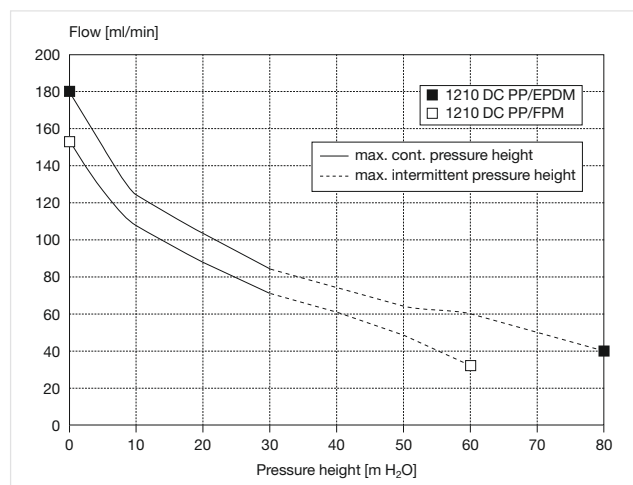
Ambient temperature	- 30 to 60 °C	- 30 to 60 °C
Media temperature	5 to 60 °C	5 to 60 °C
Weight	0,073 kg	0,073 kg

WETTED PARTS

Pump head	PP	PP
Diaphragm	EPDM	FPM
Valves	EPDM	FPM

The technical data is related to a Polyurethane tubing, OD 6mm x ID 4mm, Hardness Shore D 45.

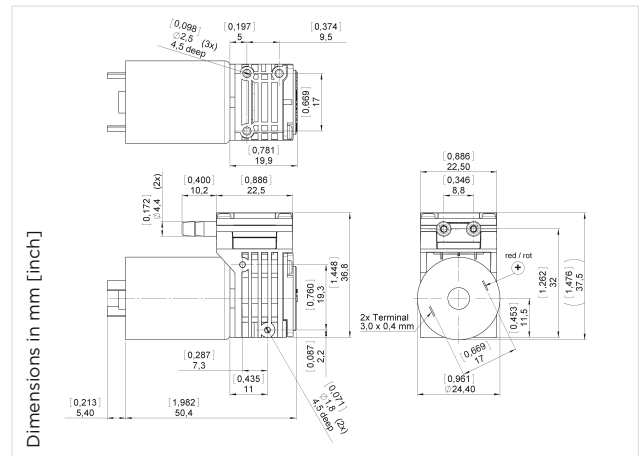
FLOW CURVES



1210... Stock programme

Diaphragm Liquid Pump 1210 LC

Flow	180 ml/min
Pressure height	up to 80 m H₂O
Suction height	6 m H₂O



HYDRAULIC DATA

Description		1210 LC PP/EPDM	1210 LC PP/FPM
Part number	12 V DC	12100003	12100053
	24 V DC	12100004	12100054
Max. flow		180 ml/min	150 ml/min
Max. intermittent pressure height		80 m H ₂ O	60 m H ₂ O
Max. continuous pressure height		30 m H ₂ O	30 m H ₂ O
Max. suction height		6 m H ₂ O	5 m H ₂ O

ELECTRICAL DATA

Motor type	Permanent Magnet	Permanent Magnet
Nominal speed	3100 rpm	3000 rpm
Nominal voltage	12/24 V DC	12/24 V DC
Max. power consumption @ 10 m H ₂ O	2,2 W	2,3 W
Motor insulation class	B	B
Protection class	IP00	IP00
EMC protection	yes	yes

GENERAL DATA

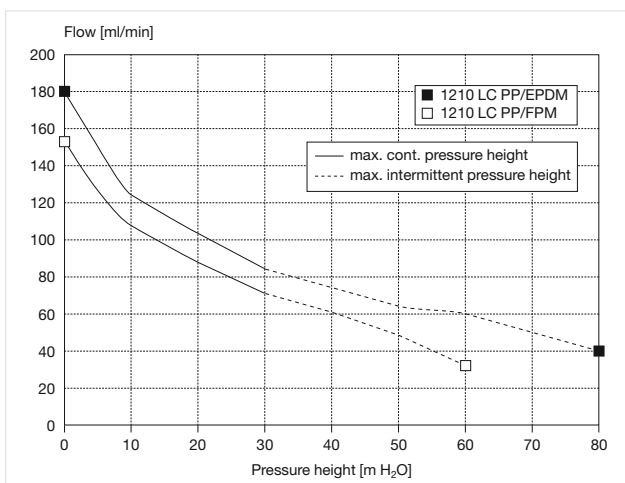
Ambient temperature	- 30 to 60 °C	- 30 to 60 °C
Media temperature	5 to 60 °C	5 to 60 °C
Weight	0,063 kg	0,063 kg

WETTED PARTS

Pump head	PP	PP
Diaphragm	EPDM	FPM
Valves	EPDM	FPM

The technical data is related to a Polyurethane tubing, OD 6mm x ID 4mm, Hardness Shore D 45.

FLOW CURVES



1210... Stock programme

PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE



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.

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