

FEATURES

- > Oil-less
- > Low vibration
- > Low sound level
- > Compact design
- > Lightweight

TYPICAL APPLICATIONS

- > Patient monitoring
- > Anaesthetic control
- > Gas detection
- > Flue gas measurement
- > Pipetting

BASE MODEL

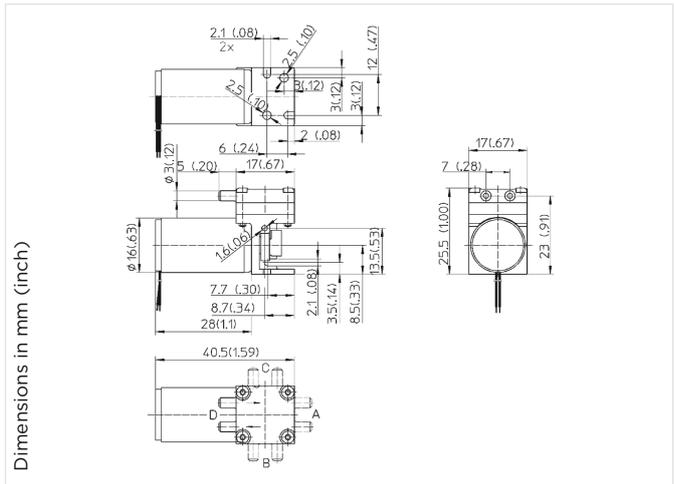
- 2002 DC
- 2002 LC
- 2002 BLDC



Diaphragm

Diaphragm Pump 2002 VD DC

Flow	380 ml/min
Max. pressure	400 mbar
Max. vacuum	40 %



PNEUMATIC DATA

Description	2002VD/0.5/E/DC	
Part number	3.5 V	20020301 (2 to 3.8 V)
	4.5 V	20020304 (3.5 to 7 V)
	6.0 V	20020307 (5 to 10 V)
Max. flow	380 ml/min	
Max. intermittent duty	380 to 400 mbar	
Max. continuous pressure	150 mbar	
Max. restart pressure	150 mbar	
Max. vacuum	36 to 40 %	
Max. restart vacuum	15 %	

ELECTRICAL DATA

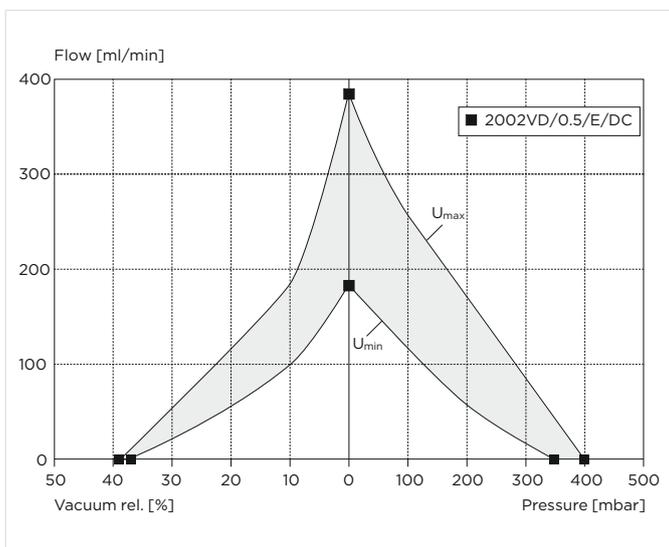
Motor type	Ironless core DC
Power consumption	2 to 3.8 V/96 to 200 mW
	3.5 to 7 V/112 to 259 mW
	5 to 10 V/115 to 250 mW
Protection class	IPO0
Bearing type	Sleeve bearing

GENERAL DATA

Ambient temperature	10 to 50 °C
Media temperature	10 to 50 °C
Weight	32 g
Port direction	D

Noise suppression for the purpose of guideline 89/336 EWG electromagnetic tolerance.

FLOW CURVES



WETTED PARTS

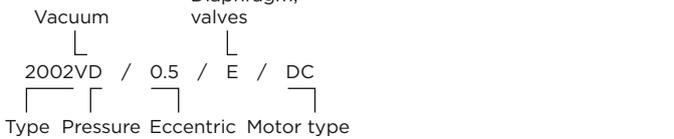
Pump head	PF	
Diaphragm, valves	EPDM	FKM, Silicone

OPTIONS

2002... Stock programme

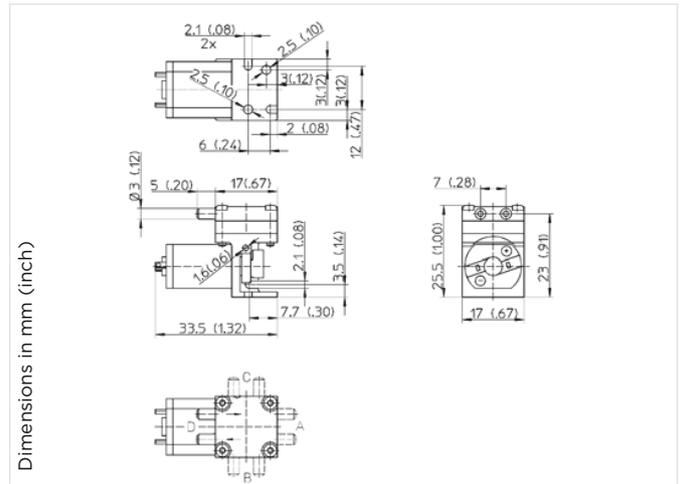
Bearing type: Ball bearing

Model key:



Diaphragm Pump 2002 VD LC

Flow	500 ml/min
Max. pressure	400 mbar
Max. vacuum	40 %



PNEUMATIC DATA

Description	2002VD/0.5/E/LC	
Part number	3.5 V	20020215 (3.5 to 5 V)
Max. flow	500 ml/min	
Max. intermittent duty	380 to 400 mbar	
Max. continuous pressure	150 mbar	
Max. restart pressure	150 mbar	
Max. vacuum	36 to 40 %	
Max. restart vacuum	15 %	

ELECTRICAL DATA

Motor type	Permanent magnet
Power consumption	3.5 to 5 V/305 to 460 mW
Protection class	IP00
Bearing type	Sleeve bearing

GENERAL DATA

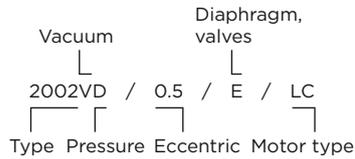
Ambient temperature	10 to 50 °C
Media temperature	10 to 50 °C
Weight	17 g
Port direction	D

WETTED PARTS

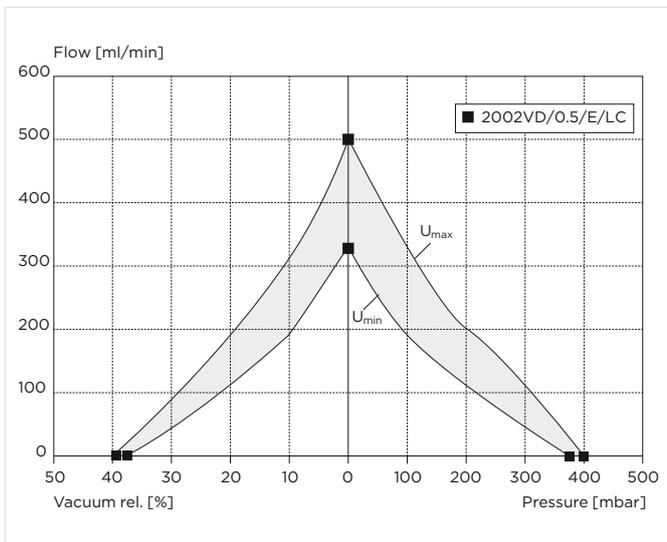
Pump head	PF	
Diaphragm, valves	EPDM	FKM, Silicone

OPTIONS

Model key: **2002...** Stock programme



FLOW CURVES



PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE

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The logo for THOMAS, featuring the word "THOMAS" in a bold, black, sans-serif font. Above the letters "O" and "M" is a red swoosh that starts under the "T", goes over the "O", and ends under the "S".



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