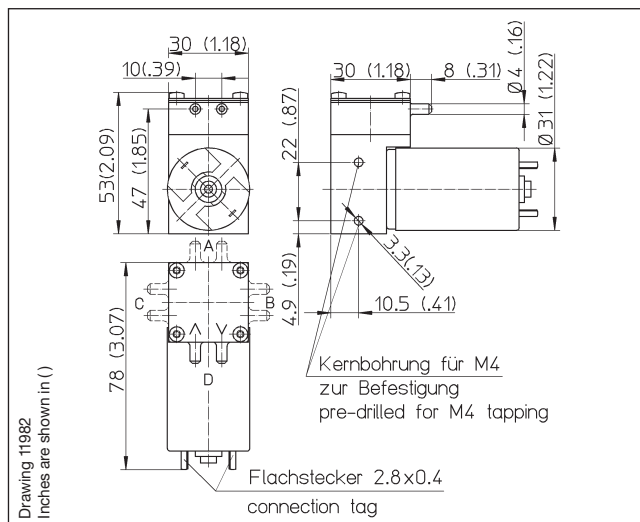
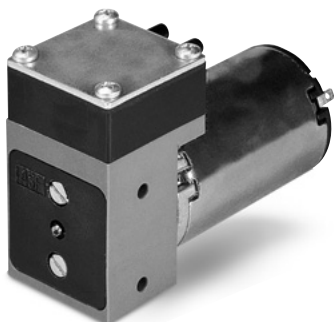


Diaphragm Pump 5002 VD DC

Flow	2,2 l/min
Max. pressure	1,5 bar
Max. vacuum	-550 mbar



Pneumatic Data

Description		5002VD/0,8/N/DC	5002VD/1,0/N/DC	5002VD/1,2/N/DC
Part number	6 V	50020360	50020397	50020425
	12 V	50020368	50020408	50020434
	24 V	50020384	50020416	50020444
Max. flow		1,5 l/min	2,0 l/min	2,2 l/min
Max. intermittent duty		0,7 bar	1,2 bar	1,5 bar
Max. continuous pressure		0,3 bar	0,3 bar	0,3 bar
Max. restart pressure		0,7 bar	1,2 bar	1,5 bar
Max. vacuum		-350 mbar	-500 mbar	-550 mbar
Max. restart vacuum		-350 mbar	-500 mbar	-550 mbar

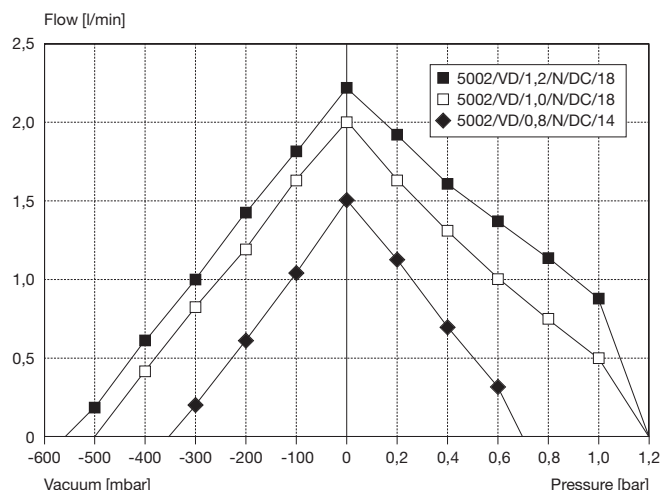
Electrical Data

Motor type	Permanent magnet	Permanent magnet	Permanent magnet
Nominal speed	3000 rpm	3000 rpm	3000 rpm
Rated power	6 V/380 mA 12 V/190 mA 24 V/95 mA	6V/680 mA 12 V/340 mA 24 V/170 mA	6 V/840 mA 12 V/420 mA 24 V/210 mA
Protection class	IP00	IP00	IP00
Bearing type	Sleeve bearing	Sleeve bearing	Sleeve bearing

General Data

Ambient temperature	10 to 50 °C	10 to 50 °C	10 to 50 °C
Media temperature	10 to 60 °C	10 to 60 °C	10 to 60 °C
Weight	190 g	190 g	190 g
Port direction	D	D	D
Hold down plate	Ø14	Ø18	Ø18

Flow Curves



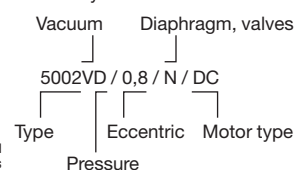
Wetted parts

Pump head	Polyarylamide	Polyphenylsulfide (PPS)
Diaphragm, valves	NBR	EPDM, PTFE, FPM (Viton®)
Diaphragmplate, screw	St, galvanized	Stainless steel

Options

Bearing type	Ball bearing	5002... Stock programme
--------------	--------------	-------------------------

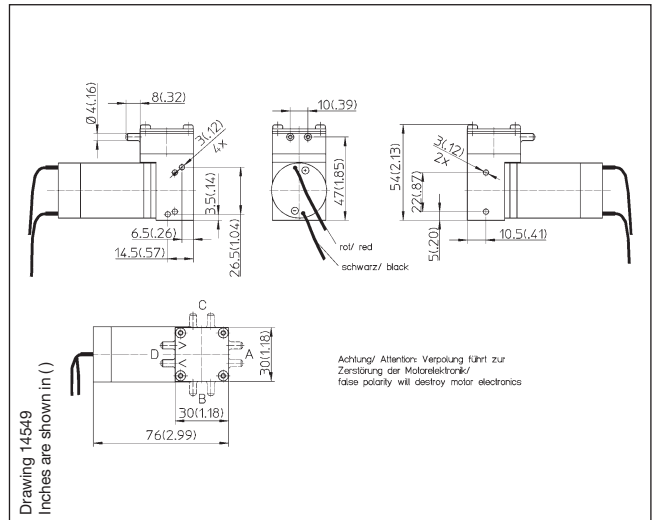
Model key:



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 whatsoever in connection therewith. Thomas does not warrant, guarantee or assume any obligation or liability in connection with this information.

Diaphragm Pump 5002 VD BLDC

Flow	2,4 l/min
Max. pressure	1,5 bar
Max. vacuum	-620 mbar



Pneumatic Data

Description	5002VD/1,2/V/BLDC
Part number	12 V 50020872
	24 V 50020820
Max. flow	2,4 l/min
Max. intermittent duty	1,5 bar
Max. continuous pressure	0,8 bar
Max. restart pressure	1,5 bar
Max. vacuum	-620 mbar
Max. restart vacuum	-620 mbar

Electrical Data

Motor type	Brushless DC
Rated power	12 V/340 mA
	24 V/170 mA
Nominal speed	3000 rpm
Protection class	IP40
Drive electronic	integrated
Bearing type	Ball bearing

General Data

Ambient temperature	10 to 50 °C
Media temperature	10 to 50 °C
Weight	210 g
Port direction	D

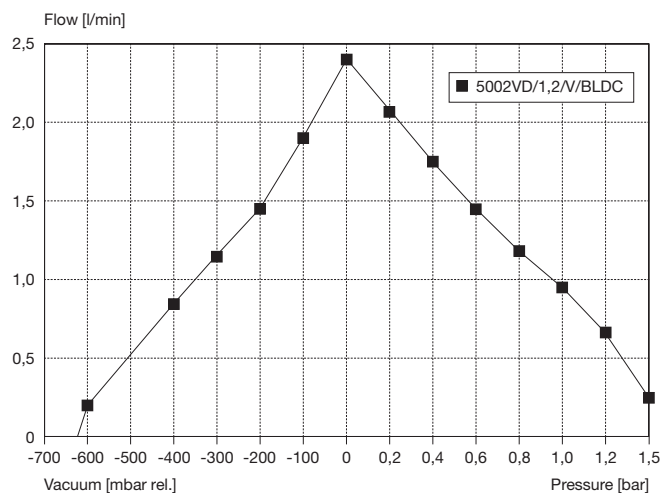
Wetted Parts

Pump head	Polyarylamide
Diaphragm, valves	FPM (Viton®)
Diaphragm plate, screw	St, galvanized

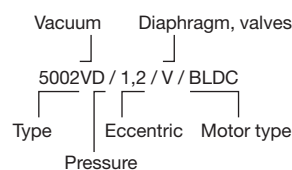
Options

Polyphenylsulfide (PPS)
NBR, EPDM, PTFE
Stainless steel

Flow Curves



Model key:



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 whatsoever in connection therewith. Thomas does not warrant, guarantee or assume any obligation or liability in connection with this information.