3014 Series

FEATURES

> Oil-less
> Low vibration
> Low sound level
> Compact design
> Light weight

TYPICAL APPLICATIONS

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

BASE MODEL

3014VD LC
3014VD DC





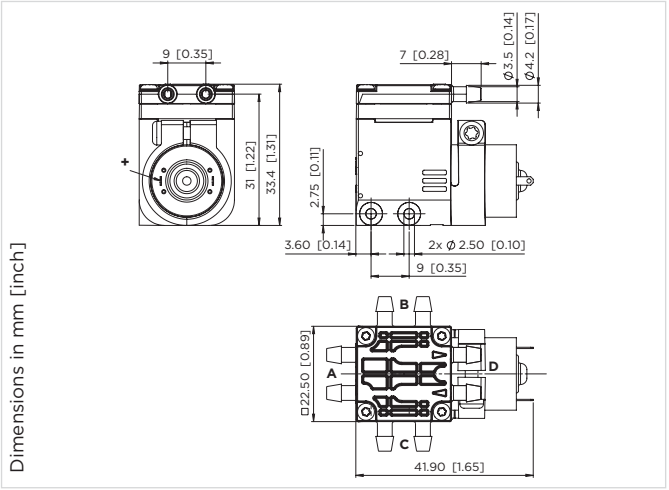


Diaphragm

3014VD LC

Flow	**1.0 l/min**
Max. pressure	**840 mbar**
Max. vacuum	**65 %**





PNEUMATIC DATA

Description		3014VD/0.6/E/LC	3014VD/0.6/E/LC	3014VD/0.6/E/LC
Part number	3.0 V	30140001		
	4.5 V		30140002	
	12.0 V			30140003
Max. flow		0.65 l/min	0.75 l/min	1.0 l/min
Max. intermittent pressure		770 mbar	790 mbar	840 mbar
Max. continuous pressure		200 mbar	200 mbar	200 mbar
Max. restart pressure		Ambient pressure*	Ambient pressure*	Ambient pressure*
Max. intermittent vacuum		60 %	60 %	65 %
Max. continuous vacuum		20 %	20 %	20 %
Max. restart vacuum		Ambient pressure*	Ambient pressure*	Ambient pressure*

ELECTRICAL DATA

Motor type	Permanent magnet	Permanent magnet	Permanent magnet
Max. power consumption	570 mW	690 mW	1030 mW
Protection class	IP00	IP00	IP00

GENERAL DATA

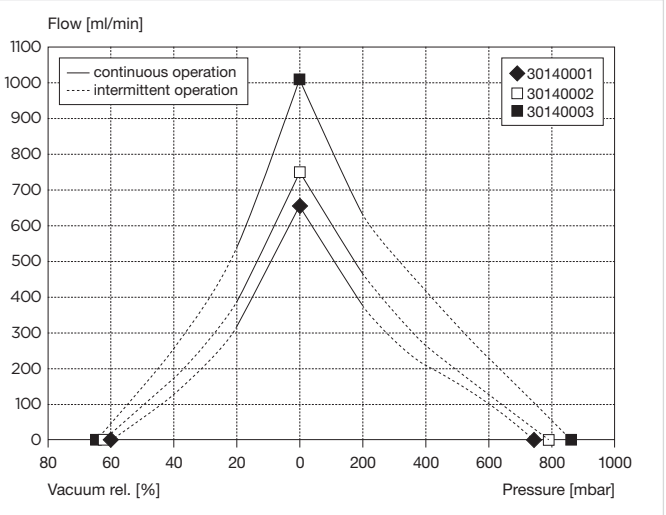
Ambient temperature	10 to 40 °C	10 to 40 °C	10 to 40 °C
Media temperature	10 to 40 °C	10 to 40 °C	10 to 40 °C
Weight	36 g	36 g	36 g
Mounting side	self tapping screw Ø 3 mm (2x)	self tapping screw Ø 3 mm (2x)	self tapping screw Ø 3 mm (2x)
Port direction	D	D	D

WETTED PARTS

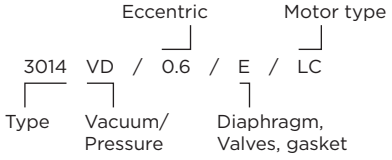
Pump head	PAA	PAA	PAA
Diaphragm	EPDM	EPDM	EPDM
Valve/gasket	EPDM	EPDM	EPDM

*Part numbers change when restart is required with vacuum or pressure.

FLOW CURVES



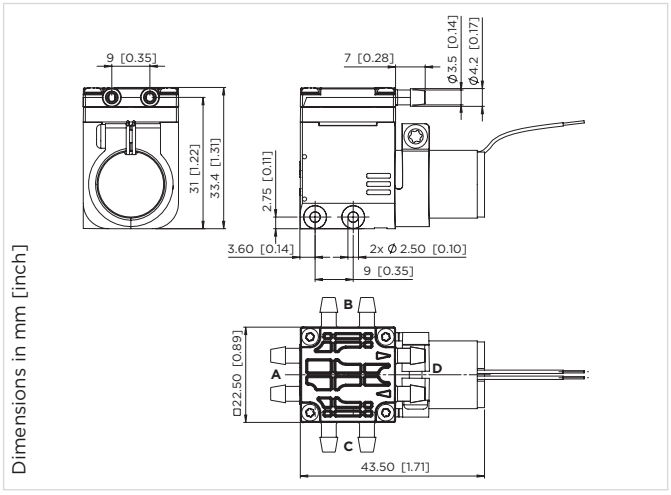
Model key:



3014VD DC

Flow	**1.0 l/min**
Max. pressure	**840 mbar**
Max. vacuum	**65 %**





PNEUMATIC DATA

Description		3014VD/0.6/E/DC	3014VD/0.6/E/DC	3014VD/0.6/E/DC
Part number	4.5 V	30140004		
	6.0 V		30140005	
	12.0 V			30140006
Max. flow		0.8 l/min	0.8 l/min	1.0 l/min
Max. intermittent pressure		350 mbar	800 mbar	840 mbar
Max. continuous pressure		200 mbar	200 mbar	200 mbar
Max. restart pressure		Ambient pressure*	Ambient pressure*	Ambient pressure*
Max. intermittent vacuum		35 %	60 %	65 %
Max. continuous vacuum		20 %	20 %	20 %
Max. restart vacuum		Ambient pressure*	Ambient pressure*	Ambient pressure*

ELECTRICAL DATA

Motor type	Ironless core DC	Ironless core DC	Ironless core DC
Max. power consumption	840 mW	505 mW	950 mW
Protection class	IP00	IP00	IP00

GENERAL DATA

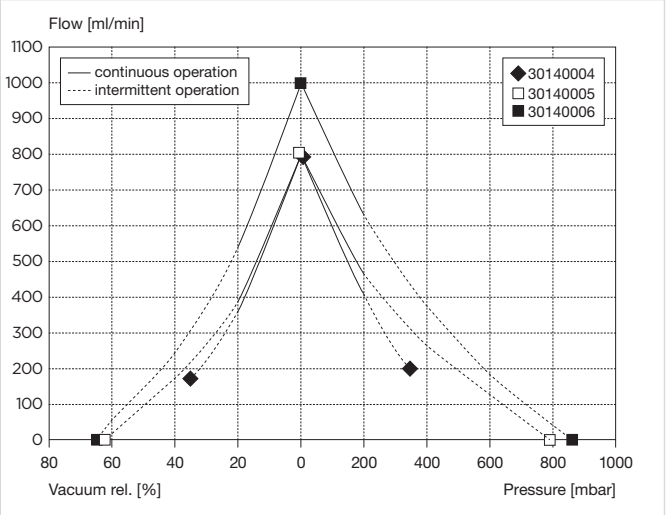
Ambient temperature	10 to 40 °C	10 to 40 °C	10 to 40 °C
Media temperature	10 to 40 °C	10 to 40 °C	10 to 40 °C
Weight	43 g	45 g	43 g
Mounting side	self tapping screw Ø 3 mm (2x)	self tapping screw Ø 3 mm (2x)	self tapping screw Ø 3 mm (2x)
Port direction	D	D	D

WETTED PARTS

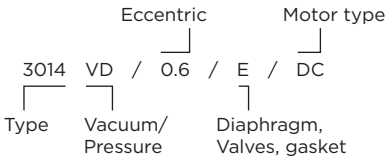
Pump head	PAA	PAA	PAA
Diaphragm	EPDM	EPDM	EPDM
Valve/gasket	EPDM	EPDM	EPDM

*Part numbers change when restart is required with vacuum or pressure.

FLOW CURVES



Model key:



PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE

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