7011 Series

THOMAS
by Gardner Denver

FEATURES

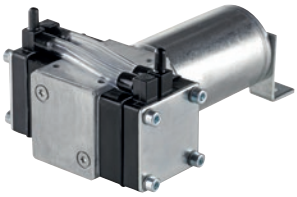
> Oil-less
> Low vibration
> Low sound level

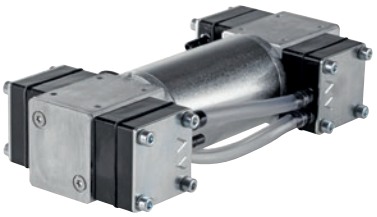
TYPICAL APPLICATIONS

> Medical devices
> Clinical analyzers
> Air collector
> Inhalators
> Autoclaves

BASE MODEL

7011 DC
7011Z DC



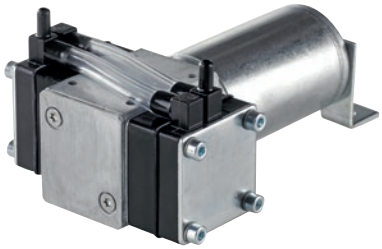


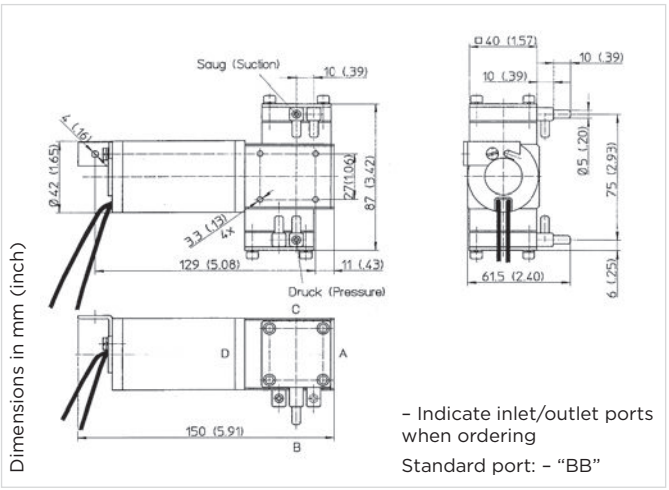


Diaphragm

Diaphragm Pump **7011 DC**

Flow	**11.0 l/min**
Max. pressure	**2.3 bar**
Max. vacuum	**90 %**





– Indicate inlet/outlet ports when ordering

Standard port: – "BB"

PNEUMATIC DATA

Description		7011VDP/2.2/NFN/DC	7011VR/2.2/N/DC
Part number	12 V DC	**70110008**	70110252
	24 V DC	70110042	
Max. flow		11.0 l/min	6.5 l/min
Max. intermittent duty		2.3 bar	
Max. continuous pressure		0.8 bar	
Max. restart pressure		Ambient pressure*	
Max. vacuum		73 %	90 %
Max. continuous vacuum		73 %	90 %
Max. restart vacuum		Ambient pressure*	90 %

ELECTRICAL DATA

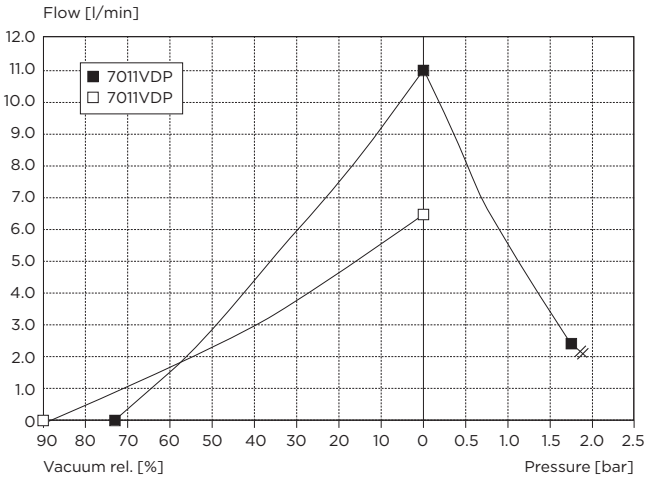
Motor type	Permanent magnet	Permanent magnet
Nominal voltage	12/24 V DC	12/24 V DC
Nominal speed	3100 rpm	3100 rpm
Current consumption	2.0/1.0 A	1.7 A
Starting current	4.5/3.5 A	4.5 A
Power consumption	24 W	20 W
Motor insulation class	E	E
Protection class	IP20	IP20

GENERAL DATA

Ambient temperature	15 to 40 °C	15 to 40 °C
Media temperature	15 to 60 °C	15 to 60 °C
Weight	0.85 kg	0.85 kg
Port direction	BB	BB
Configuration	Parallel	Series

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

FLOW CURVES



WETTED PARTS

Pump chamber	PAA
Pump head	PAA
Diaphragm	NBR
Valves	FKM
O-Ring	NBR
Diaphragm plate screw	Galvanized steel

OPTIONS

PPS
PPS
EPDM, PTFE (EPDM, FKM)
EPDM, NBR
EPDM, FKM

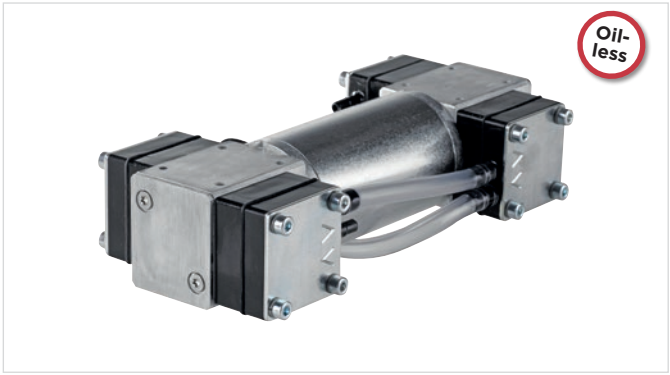
7011... Stock programme

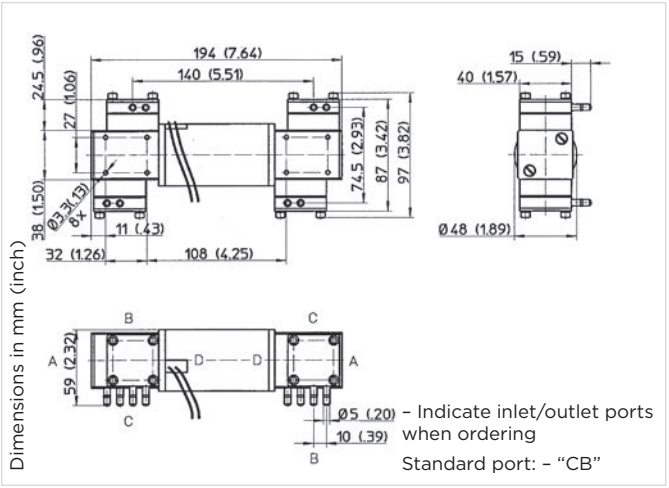
Model key:

Type	Vacuum / Pressure		Diaphragm, Valves, O-Ring		Motor type
7011	VDP	2.2	NFN		DC
	P = Parallel R = Series	Eccentric			

Diaphragm Pump **7011Z DC**

Flow	**24.0 l/min**
Max. pressure	**2.5 bar**
Max. vacuum	**98 %**





PNEUMATIC DATA

Description		7011ZVDP/2.2/FFN/DC	7011ZVR/2.2/VVN/DC
Part number	12 V DC	70110520	70110037
	24 V DC	70110521	70110069
Max. flow		24.0 l/min	7.5 l/min
Max. intermittent duty		2.5 bar	
Max. continuous pressure		0.5 bar	
Max. restart pressure		Ambient pressure*	
Max. vacuum		73 %	98 %
Max. continuous vacuum		73 %	98 %
Max. restart vacuum		Ambient pressure*	98 %

ELECTRICAL DATA

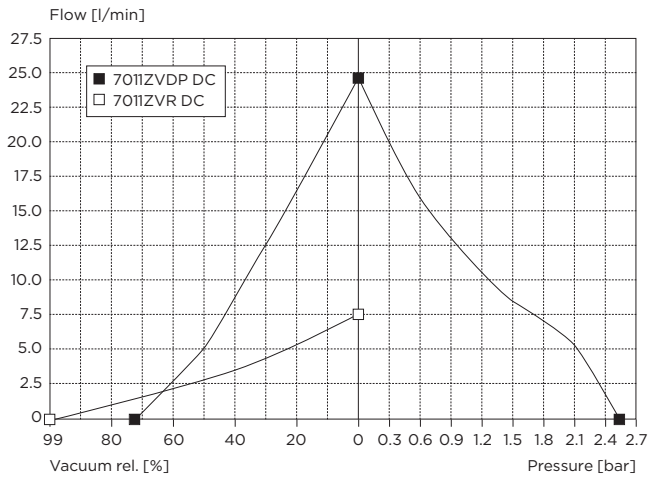
Motor type	Permanent magnet	Permanent magnet
Nominal voltage	12/24 V DC	12/24 V DC
Nominal speed	3200 rpm	3200 rpm
Current consumption	3.8/1.9 A	3.8/1.9 A
Starting current	11.7/8.2 A	11.7/8.2 A
Power consumption	46 W	46 W
Motor insulation class	E	E
Protection class	IP20	IP20

GENERAL DATA

Ambient temperature	15 to 40 °C	15 to 40 °C
Media temperature	15 to 60 °C	15 to 60 °C
Weight	1.4 kg	1.4 kg
Port direction	CB	CB
Configuration	Parallel	Series

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

FLOW CURVES



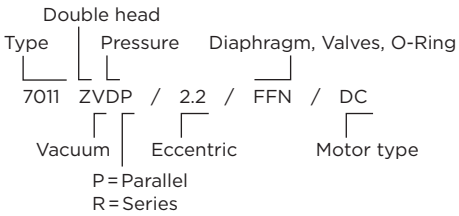
WETTED PARTS

Pump chamber	PAA
Pump head	PA
Diaphragm	FKM
Valves	FKM
O-Ring	NBR
Diaphragm plate screw	Galvanized steel

OPTIONS

PPS
PPS
EPDM, PTFE (EPDM, FKM)
EPDM, NBR
EPDM, FKM

Model key:



PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE

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