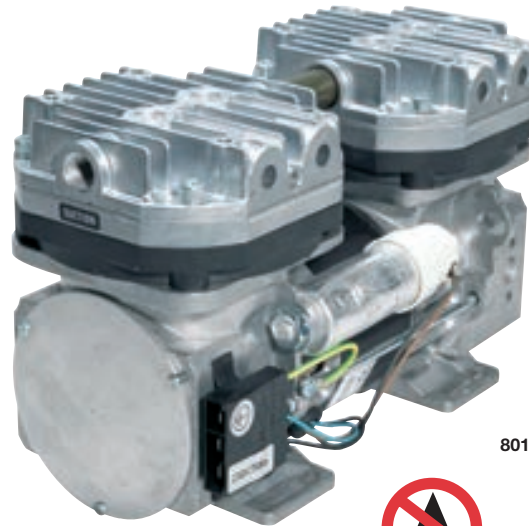




Diaphragm Pumps

MODELS

8011V
8011ZVP
8011ZVR



8011



PRODUCT FEATURES

- Oil-less
- Maintenance free
- Aluminium seawater resistant
- Silent (50 – 54 dBA)
- Low vibrations
- High performance

TYPICAL APPLICATIONS

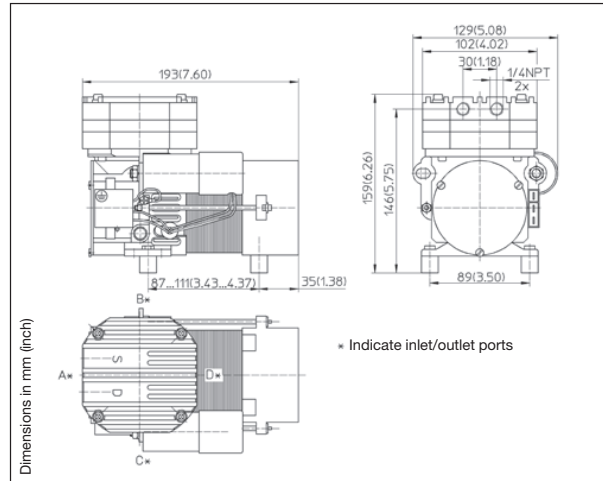
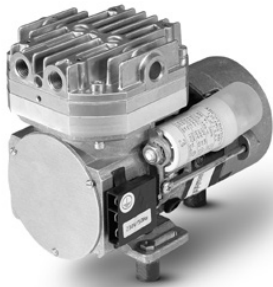
- Autoclaves
- Analysers
- Vacuum ovens
- Rotation Evaporator
- Degassing
- Aspirators



THOMAS
by Gardner Denver

Diaphragm Pump 8011V AC

Flow	40,8 l/min
Max. vacuum	95%



Pneumatic Data

Description	8011V-35 AEE	8011V-35 AEE
Part number	115 V/60 Hz 230 V/50 Hz	80110501 80110500
Max. flow	40,8 l/min	34,0 l/min
Max. vacuum	95 %	95 %
Max. continuous vacuum	95 %	95 %
Max. restart vacuum	Ambient pressure	Ambient pressure

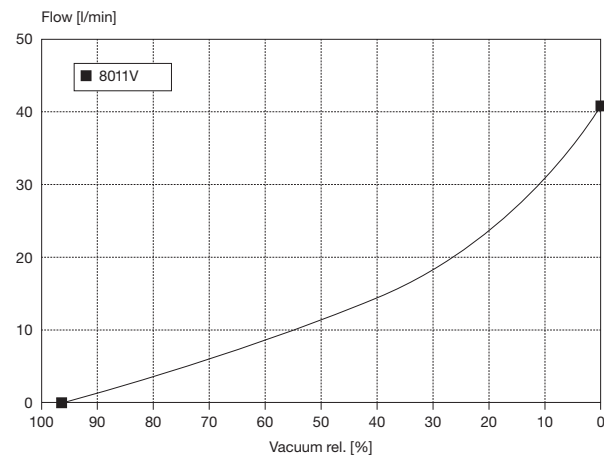
Electrical Data

Motor type	Capacitor	Capacitor
Nominal voltage	115 V/60 Hz	230 V/50 Hz
Nominal speed	1600 rpm	1500 rpm
Current consumption	1 A	0,4 to 0,5 A
Starting current	2,3 A	1,0 to 1,15 A
Power consumption	115 W	85 to 115 W
Protection class	IP00	IP00
Motor insulation class	F	F
Thermal switch	140 °C	140 °C

General Data

Ambient temperature	15 to 40 °C	15 to 40 °C
Media temperature	10 to 60 °C	10 to 60 °C
Weight	3,5 kg	3,5 kg
Port direction	BC	BC

Flow Curves



Choice of materials	Standard	Option
Chamber + Head	Aluminium	Aluminium hard coated

Diaphragm	EPDM	-
Valves	EPDM	FKM vapour resistant
O-Ring	EPDM	-

Model key: **8011...** Stock programme

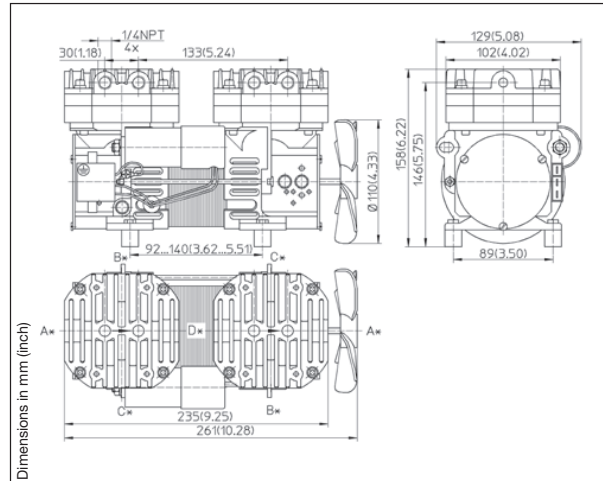
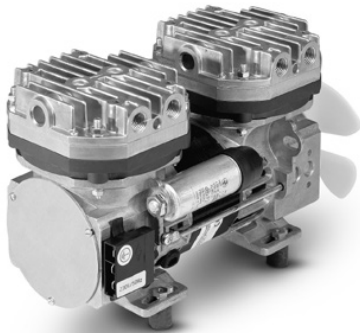
Diaphragm, Valves
Chamber } O-Ring
8011V - 35 AEE
Type Vacuum } Eccentric

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.

THOMAS
by Gardner Denver

Diaphragm Pump 8011ZVP AC

Flow	72,0 l/min
Max. vacuum	93%



Pneumatic Data

Description	8011ZVP-35 AEE	8011ZVP-35 AEE
Part number	115 V/60 Hz 230 V/50 Hz	80110121
		80110110
Max. flow	72,0 l/min	65,0 l/min
Max. vacuum	93%	93%
Max. continuous vacuum	93%	93%
Max. restart vacuum	Ambient pressure	Ambient pressure

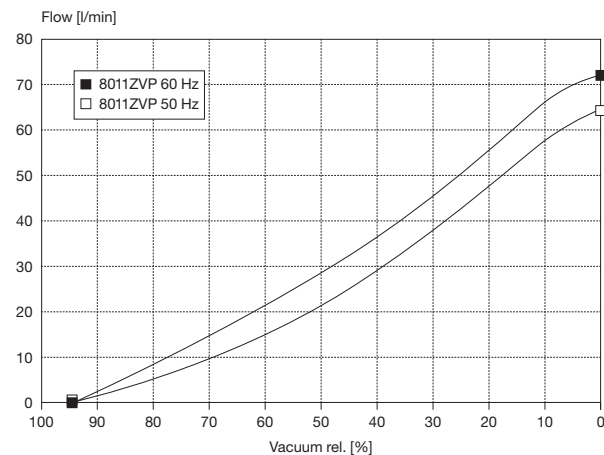
Electrical Data

Motor type	Capacitor	Capacitor
Nominal voltage	115 V/60 Hz	230 V/50 Hz
Nominal speed	1500 rpm	1270 rpm
Current consumption	1,5 A	0,6 A
Starting current	3,3 A	1,4 A
Power consumption	90 W	95 W
Protection class	IP00	IP00
Motor insulation class	F	F
Thermal switch	140 °C	140 °C

General Data

Ambient temperature	15 to 40 °C	15 to 40 °C
Media temperature	10 to 60 °C	10 to 60 °C
Weight	5,0 kg	5,0 kg
Port direction	BC	BC
Configuration	Parallel	Parallel

Flow Curves



Choice of materials	Standard	Option
Chamber + Head	Aluminium	Aluminium hard coated

Diaphragm	EPDM	-
Valves	EPDM	FKM vapour resistant
O-Ring	EPDM	-

Model key: **8011...** Stock programme

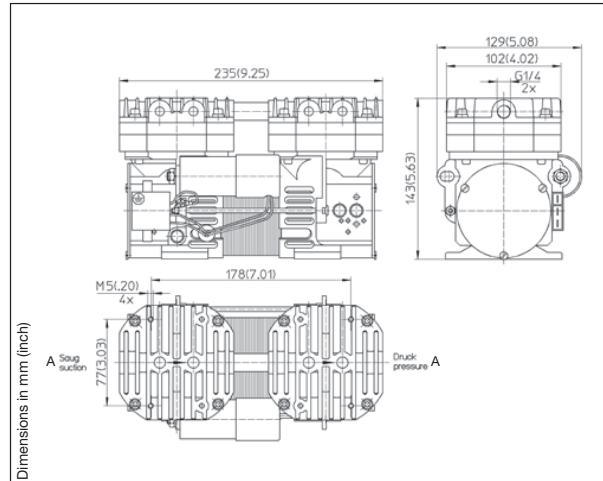
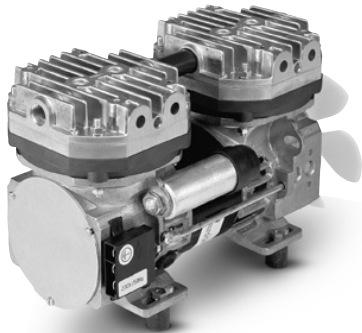
Diaphragm, Valves
Chamber } O-Ring
8011ZVP - 35 AEE
Type | | Eccentric
| | Parallel
| | Vacuum
| | Double head

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Diaphragm Pump 8011ZVR AC

Flow	34,0 l/min
Max. vacuum	99%



Pneumatic Data

Description	8011ZVR-35 AEE
Part number	230 V/50 Hz 80110106
Max. flow	34,0 l/min
Max. vacuum	99%
Max. continuous vacuum	99%
Max. restart vacuum	Ambient pressure

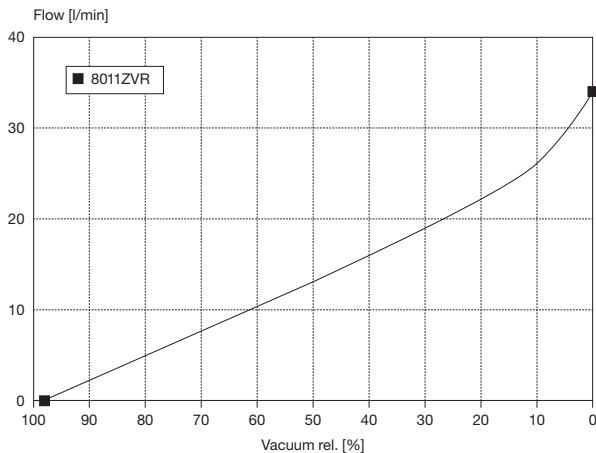
Electrical Data

Motor type	Capacitor
Nominal voltage	230 V/50 Hz
Nominal speed	1300 rpm
Current consumption	0,6 A
Starting current	1,4 A
Power consumption	95 W
Protection class	IP00
Motor insulation class	F
Thermal switch	140 °C

General Data

Ambient temperature	15 to 40 °C
Media temperature	10 to 60 °C
Weight	5,0 kg
Port direction	AA
Configuration	Series

Flow Curves



Choice of materials	Standard	Option
Chamber + Head	Aluminium	Aluminium hard coated

Diaphragm	EPDM	-
Valves	EPDM	FKM vapour resistant
O-Ring	EPDM	-

Model key: 8011... Stock programme

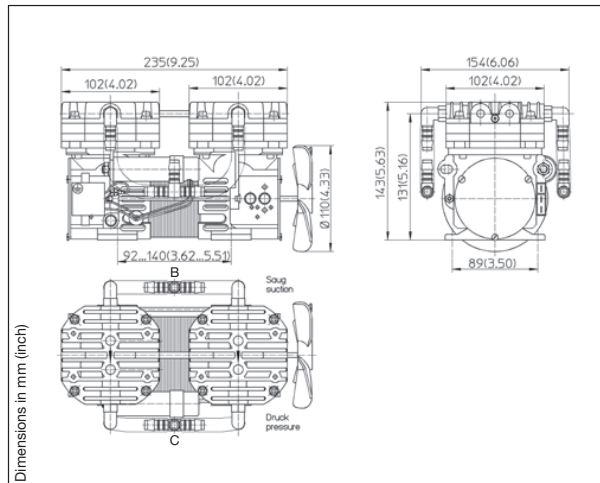
Diaphragm, Valves
Chamber } O-Ring
8011ZVR - 35 AEE
Type | Series | Vacuum | Eccentric
Double head

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THOMAS
by Gardner Denver

Diaphragm Pump 8011ZVR/P AC

Flow	56,0 l/min
Max. vacuum	98%



Pneumatic Data

Description	8011ZVR/P-35 AEE*	
Part number	230 V/50 Hz	80110131
Max. flow	56,0 l/min	
Max. vacuum	98%	
Max. continuous vacuum	98%	
Max. restart vacuum	Ambient pressure	

Electrical Data

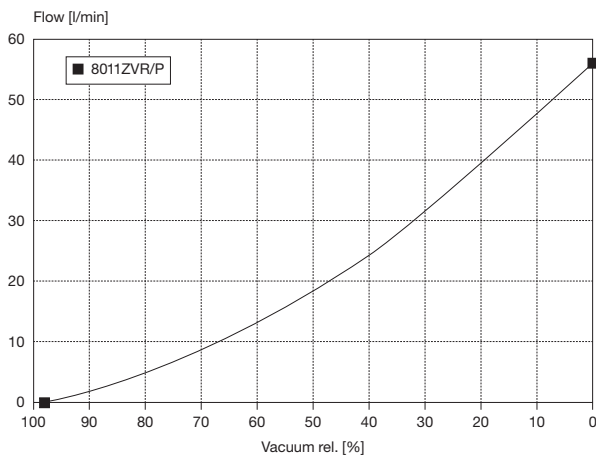
Motor type	Capacitor
Nominal voltage	230 V/50 Hz
Nominal speed	1270 rpm
Current consumption	0,6 A
Starting current	1,4 A
Power consumption	95 W
Protection class	IP00
Motor insulation class	F
Thermal switch	140 °C

General Data

Ambient temperature	15 to 40 °C
Media temperature	10 to 60 °C
Weight	5,0 kg
Port direction	BC
Configuration	Parallel/Series

* The changeover from parallel to series operation is controlled automatically via the vacuum within and an integral auxiliary valve.

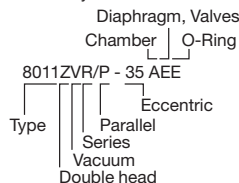
Flow Curves



Choice of materials	Standard	Option
Chamber + Head	Aluminium	Aluminium hard coated

Diaphragm	EPDM	-
Valves	EPDM	FKM vapour resistant
O-Ring	EPDM	-

Model key:



8011... Stock programme

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