

# Oil Free Vacuum Pump



## Features

### ► No air pollution, maintenance free

Rocker series pumps are driven by piston, without the need of lubricant, regular oil changes and maintenance; with no oil pollution.

### ► Prote™ overflow protection

Rocker series pumps are equipped with Prote™ overflow protection which can prevent a large amount of liquid from being sucked into the pump.

### ► Moisture trap with filter cartridge

Rocker series pumps are equipped with filter cartridge at the air inlet to filter particle and moisture to prolong the life of pump.

### ► Vacuum regulator

Rocker series pumps are equipped with vacuum regulator to adjust vacuum.

### ► Thermal protection device

Every motor of Rocker series pumps has a built-in thermal protection device to shut off the pump automatically when overheated and then resume working when the temperature cools down.

### ► International certification

CE certification  
CSA certification (Rocker 300)  
IP 30 protection (Rocker 300)  
RoHS certification

### ► Two-Year Warranty

## Applications

- Vacuum filtration
- Suspended solid test
- Microbiological test
- Air sampling

## Ordering Information

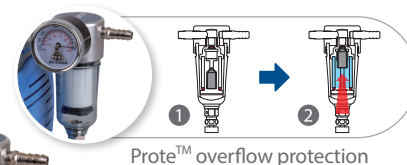
### 167300-11(22)

Rocker 300, Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

### 167330-00

Rocker 300DC, DC Power Vacuum  
Pump ( DC12V )

Patent : M491731



Prote™ overflow protection

**Rocker 300**



**Rocker 300DC**

## Specification

Model	Rocker 300		Rocker 300DC
Voltage / Freq.	110V/60Hz	220V/50Hz	DC12V
Max. power	65W	60W	35W
Max. current	0.7A	0.3A	3A
Max. vacuum	105 mbar		145 mbar
Max. flow rate	23 L/min	20 L/min	25 L/min
Motor rotation speed	1750 RPM	1450 RPM	1800 RPM
Horse power	1/8 HP		1/8 HP
Noise level	50 dB		50 dB
Hose barb	ID8		ID8
Vacuum regulator	Yes		Yes
Overflow protection/ Filter cartridge	Yes		Yes
Safety	Thermal Protection		Thermal Protection
Net weight	4.1 Kg		3.5 Kg
Dimension (LxWxH)	26.8 x 13.5 x 20.4 cm		27.2 x 12.1 x 16.5 cm

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► **Moisture trap with filter cartridge**

Rocker series pumps are equipped with filter cartridge at the air inlet to filter particle and moisture to prolong the life of pump.

► **Vacuum regulator**

Rocker series pumps are equipped with vacuum regulator to adjust vacuum.

► **Thermal protection device**

Every motor of Rocker series pumps has a built-in thermal protection device to shut off the pump automatically when overheated and then resume working when the temperature cools down.

► **International certification**

CE certification  
CSA certification  
IP 30 protection  
RoHS certification

► **Two-Year Warranty**

## Applications

- Suspended solid test
- Vacuum filtration
- Microbiological test
- Air sampling

## Ordering Information

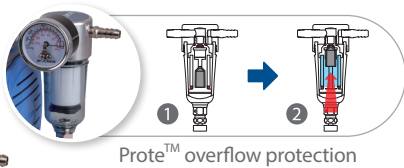
**167400-11(22)**

Rocker 400, Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

**167410-11(22)**

Rocker 410, Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

Patent : M491731



Rocker 400



Rocker 410

## Specification

Model	Rocker 400		Rocker 410	
Voltage / Freq.	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Max. power	100W	80W	100W	80W
Max. current	1.0A	0.4A	1.0A	0.4A
Max. vacuum	105 mbar		30 mbar	
Max. flow rate	37 L/min	34 L/min	23 L/min	20 L/min
Motor rotation speed	1750 RPM	1450 RPM	1750 RPM	1450 RPM
Horse power	1/6 HP		1/6 HP	
Noise level	52 dB		52 dB	
Hose barb	ID8		ID8	
Vacuum regulator	Yes		Yes	
Overflow protection/ Filter cartridge	Yes		Yes	
Safety	Thermal Protection		Thermal Protection	
Net weight	5.2 Kg		5.2 Kg	
Dimension (LxWxH)	31 x 13.5 x 20.4 cm		31 x 13.5 x 20.4 cm	

# Oil Free Vacuum Pump



## Features

- ▶ **No air pollution, maintenance free**  
Rocker series pumps are driven by piston, without the need of lubricant, regular oil changes and maintenance; with no oil pollution.
- ▶ **Vacuum regulator**  
Rocker series pumps are equipped with vacuum regulator to adjust vacuum.
- ▶ **Thermal protection device**  
Every motor of Rocker series pumps has a built-in thermal protection device to shut off the pump automatically when overheated and then resume working when the temperature cools down.
- ▶ **Moisture trap with filter cartridge**  
Rocker 801 pump is equipped with filter cartridge at the air inlet to filter particle and moisture to prolong the life of pump.
- ▶ **International certification**  
CE certification  
RoHS certification
- ▶ **Two-Year Warranty**

## Applications

- ▶ Vacuum filtration
- ▶ Vacuum drying / oven / defoaming
- ▶ Suspended solid test
- ▶ Microbiological test
- ▶ Air sampling

## Ordering Information

### 167800-11(22)

Rocker 800, Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

### 167801-11(22)

Rocker 801, Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)



## Specification

Model	Rocker 800		Rocker 801	
Voltage / Freq.	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Max. power	220W	200W	220W	200W
Max. current	2A	1.2A	2A	1.2A
Max. vacuum	120 mbar		120 mbar	
Max. flow rate	100 L/min	80 L/min	80 L/min	68 L/min
Motor rotation speed	1750 RPM	1450 RPM	1750 RPM	1450 RPM
Horse power	1/3 HP		1/3 HP	
Noise level	68 dB		68 dB	
Hose barb	ID10		ID8	
Vacuum regulator	Yes		Yes	
Filter cartridge	-		Yes	
Safety	Thermal Protection		Thermal Protection	
Net weight	7.6 Kg		7.9 Kg	
Dimension (LxWxH)	34.5 x 17.5 x 20 cm		34.5 x 17.5 x 20 cm	

\* Moisture Trap / Vacuum Regulator doesn't include overflow protection.

# Oil Free Vacuum Pump



## Features

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Rocker series pumps are driven by piston, without the need of lubricant, regular oil changes and maintenance; with no oil pollution.
- ▶ **Vacuum regulator**  
Rocker series pumps are equipped with vacuum regulator to adjust vacuum.
- ▶ **Thermal protection device**  
Every motor of Rocker series pumps has a built-in thermal protection device to shut off the pump automatically when overheated and then resume working when the temperature cools down.
- ▶ **Moisture trap with filter cartridge**  
Rocker 811 pump is equipped with filter cartridge at the air inlet to filter particle and moisture to prolong the life of pump.
- ▶ **International certification**  
CE certification  
RoHS certification
- ▶ **Two-Year Warranty**



## Applications

- ▶ Vacuum filtration
- ▶ Vacuum drying / oven / defoaming
- ▶ Suspended solid test
- ▶ Microbiological test
- ▶ Air sampling

## Ordering Information

### 167810-11(22)

Rocker 810, Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

### 167811-11(22)

Rocker 811, Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

## Specification

Model	Rocker 810		Rocker 811	
Voltage / Freq.	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Max. power	220W	200W	220W	200W
Max. current	2A	1.2A	2A	1.2A
Max. vacuum	30 mbar		30 mbar	
Max. flow rate	60 L/min	50 L/min	48 L/min	40 L/min
Motor rotation speed	1750 RPM	1450 RPM	1750 RPM	1450 RPM
Horse power	1/3 HP		1/3 HP	
Noise level	68 dB		68 dB	
Hose barb	ID10		ID8	
Vacuum regulator	Yes		Yes	
Filter cartridge	-		Yes	
Safety	Thermal Protection		Thermal Protection	
Net weight	7.6 Kg		7.9 Kg	
Dimension (LxWxH)	34.5 x 17.5 x 20 cm		34.5 x 17.5 x 20 cm	

\* Moisture Trap / Vacuum Regulator doesn't include overflow protection.



# Pump Accessories

### Hose Barb



Cat. No. :	167300-20	167300-21	167300-63	167300-23	167300-24	187100-32	187100-31	187100-34	167300-25
ID :	3/8 inch	5/16 inch	1/4 inch	3/16 inch	1/8 inch	1/2 inch	3/8 inch	1/4 inch	5/16 inch
	ID10	ID8	ID6	ID5	ID3	ID12	ID10	ID6	ID8
Thread :	1/8 PT	1/8 PT	1/8 PT	1/8 PT	1/8 PT	1/4 SAE	1/4 SAE	1/4 SAE	1/8 PT

### Moisture Trap / Vacuum Regulator / Pressure Regulator



167301-06 For Rocker 300/400/ 410/430	167801-06 For Rocker 801/811	169411-06 For Chemker 410/411	169611-06 For Chemker 610/611	189300-06 For Rocker 300C/400C/410C	167320-06 For Rocker 320/420	167440-06 For Rocker 440
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### Filter Cartridge



167301-07 For Rocker 300/400/410/430 (with Prote™ overflow protection)	167801-07 For Rocker 801/811 (without Prote™ overflow protection)
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### Chemical Resistant Hose Barb



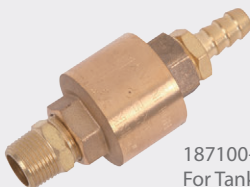
169300-21 5/16 inch ID8 1/4 NPS	169300-20 3/8 inch ID10 1/4 NPS
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### Air Outlet (Copper Muffler)



167300-42 For Rocker 300/400/410/430	167600-42 For Rocker 800/801/810/811
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### Check Valve



187100-33  
For Tanker  
130/150/215/230  
ID10  
1/4 SAE

### Silicone Tube



167200-38 Ø 6 x 12 mm Length: 1 m	199100-68 Ø 4.2 x 8 mm Length: 2 m	180300-68 Ø 8 x 14 mm Length: 2 m
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### Universal Foot Switch



167200-41 Momentary action	167200-41-1 Maintained action
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