

PTFE Coated Chemical Resistant Vacuum Pump



**Rocker 300C**  
 Max. vacuum : 145 mbar  
 Max. flow rate : 23 (20) L/min



**Rocker 400C**  
 Max. vacuum : 105 mbar  
 Max. flow rate : 34 (31) L/min



**Rocker 410C**  
 Max. vacuum : 25 mbar  
 Max. flow rate : 23 (20) L/min

Chemical Resistant Vacuum Pump



**Chemker 300**  
 Max. vacuum : 105 mbar  
 Max. flow rate : 20 (18) L/min



**Chemker 600**  
 Max. vacuum : 65 mbar  
 Max. flow rate : 65 (60) L/min



**Chemker 400**  
 Max. vacuum : 105 mbar  
 Max. flow rate : 38 (33) L/min



**Chemker 610**  
 Max. vacuum : 7 mbar  
 Max. flow rate : 34 (30) L/min



**Chemker 410**  
 Max. vacuum : 10 mbar  
 Max. flow rate : 20 (18) L/min



**Chemker 611**  
 Max. vacuum : 7 mbar  
 Max. flow rate : 34 (30) L/min

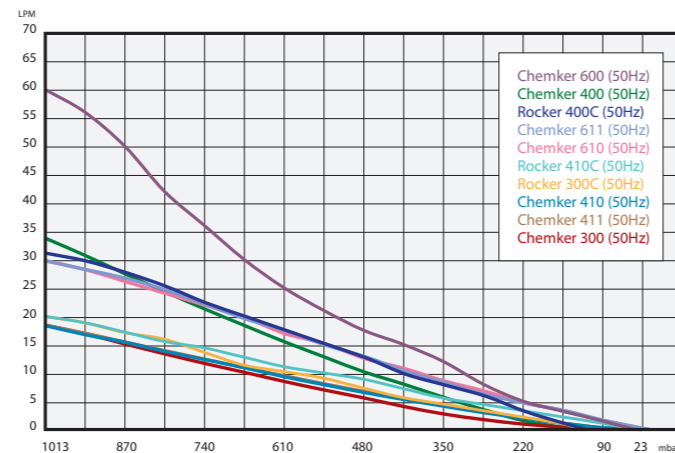
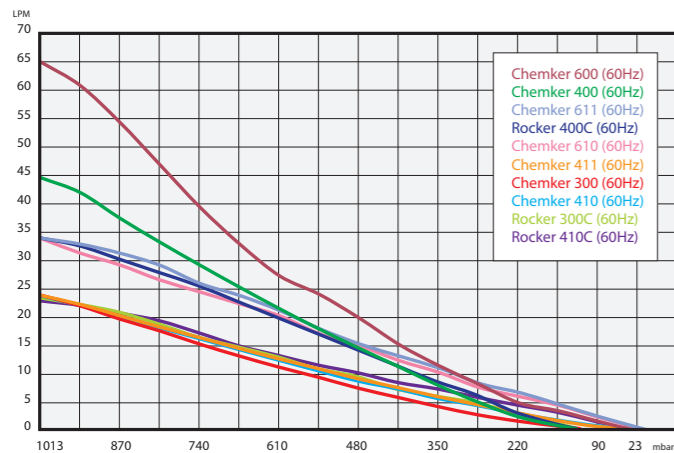


**Chemker 411**  
 Max. vacuum : 10 mbar  
 Max. flow rate : 20 (18) L/min

\* The value in () is the max. flow rate at 50Hz.

\*\* The mbar value is the gas particles left in the system, the less particles left in, the higher vacuum it is.

Pumping Speed Graph



# PTFE Coated Chemical Resistant Vacuum Pump

## Features

- ▶ **Good chemical resistance**  
The PTFE-coated diaphragm and chamber can offer good resistance to a wide range of chemical gases except strong acid and alkali.
- ▶ **No air pollution, maintenance free**  
Rocker 300C and Lafil 300C vacuum pumps are driven by diaphragm, without the need of lubricant, regular oil changes and maintenance ; with no oil pollution.
- ▶ **Quiet and low vibration**  
The mechanism technique and quality vibration-proof assemblies make pumps run at the lowest noise with stable.
- ▶ **Thermal protection device**  
The motor of Rocker 300C and Lafil 300C vacuum 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.
- ▶ **Compact and safe operation**  
Lafil 300C is a unique filtration unit by combining vacuum source with optional filtration ware. Its compact design saves much bench space than the traditional ones. With a fence-like platform design, it can prevent user's negligence from tipping over the waste bottle.

- ▶ **International certification**  
CE certification  
IP 30 protection (Rocker 300C)  
RoHS certification (Rocker 300C)

- ▶ **Ono-Year Warranty**

## Applications

- ▶ Solvent purification
- ▶ Solid-Phase Extraction (SPE)
- ▶ Vacuum filtration

## Ordering Information

**189300-11(22)**  
Rocker 300C, PTFE Coated Chemical Resistant Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

**197330-11(22)**  
Lafil 300C, PTFE Coated Chemical Resistant Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)



Rocker 300C



Lafil 300C

## Specification

Model	Rocker 300C		Lafil 300C	
Voltage / Freq.	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Max. power	65W	60W	65W	60W
Max. current	0.7A	0.3A	0.7A	0.3A
Max. vacuum	145 mbar		145 mbar	
Max. flow rate	23 L/min	20 L/min	23 L/min	20 L/min
Motor rotation speed	1750 RPM	1450 RPM	1750 RPM	1450 RPM
Horse power	1/8 HP		1/8 HP	
Noise level	50 dB		50 dB	
Hose barb	ID8		ID8	
Vacuum regulator	Yes		Yes	
Moisture Trap	Yes		-	
Safety	Thermal Protection		Thermal Protection	
Net weight	4.1 Kg		5.9 Kg	
Dimension (LxWxH)	28.5 x 13.5 x 20.4 cm		35 x 24.3 x 29 cm	

# PTFE Coated Chemical Resistant Vacuum Pump

## Features

- ▶ **Good chemical resistance**  
The PTFE-coated diaphragm and chamber can offer good resistance to a wide range of chemical gases except strong acid and alkali.
- ▶ **No air pollution, maintenance free**  
Rocker 400C / 410C vacuum pumps are driven by diaphragm, without the need of lubricant, regular oil changes and maintenance ; with no oil pollution.
- ▶ **Quiet and low vibration**  
The mechanism technique and quality vibration-proof assemblies make pumps run at the lowest noise with stable.
- ▶ **Thermal protection device**  
The motor of Rocker 400C / 410C vacuum 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  
IP 30 protection  
RoHS certification
- ▶ **One-Year Warranty**

## Applications

- ▶ Solvent purification
- ▶ Gel dryer
- ▶ Vacuum desiccator
- ▶ Vacuum filtration

## Ordering Information

**189400-11(22)**  
Rocker 400C, PTFE Coated Chemical Resistant Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

**189410-11(22)**  
Rocker 410C, PTFE Coated Chemical Resistant Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)



Rocker 400C



Rocker 410C

## Specification

Model	Rocker 400C		Rocker 410C	
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		25 mbar	
Max. flow rate	34 L/min	31 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	
Moisture Trap / Vacuum regulator	Yes		Yes	
Safety	Thermal Protection		Thermal Protection	
Net weight	5.7 Kg		5.6 Kg	
Dimension (LxWxH)	31 x 13.5 x 20.4 cm		31 x 13.5 x 20.4 cm	

# Chemical Resistant Vacuum Pump



## Features

- ▶ **High chemical resistance**  
All wetted parts of Chemker series pump are made of PTFE material which can resist most of corrosive gases.
- ▶ **No air pollution, maintenance free**  
Chemker series pumps are driven by diaphragm, without the need of lubricant, regular oil changes and maintenance; with no oil pollution.
- ▶ **Quiet and low vibration**  
Driven directly by motor with no additional belt-driven transmission; the quality of vibration-proof assembly makes Chemker series pumps run at the lowest noise level among all other equivalent pumps.
- ▶ **Thermal protection device**  
Every motor of Chemker 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
- ▶ **One-Year Warranty**



Chemker 300



Chemker 400

## Applications

- ▶ Solvent purification
- ▶ Solid-Phase Extraction (SPE)
- ▶ Gel electrophoresis
- ▶ Vacuum filtration

## Ordering Information

**169300-11(22)**  
Chemker 300,  
Chemical Resistant Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

**169400-11(22)**  
Chemker 400,  
Chemical Resistant Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

## Specification

Model	Chemker 300		Chemker 400	
	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Max. power	70W	60W	90W	90W
Max. current	0.8A	0.32A	1.1A	0.5A
Max. vacuum	105 mbar		105 mbar	
Max. flow rate	20 L/min	18 L/min	38 L/min	33 L/min
Motor rotation speed	1700 RPM	1450 RPM	1700 RPM	1450 RPM
Horse power	1/8 HP		1/6 HP	
Noise level	50 dB		52 dB	
Hose barb	ID8		ID8	
Moisture Trap / Vacuum regulator	-		-	
Safety	Thermal Protection		Thermal Protection	
Net weight	5.0 Kg		7.0 Kg	
Dimension (LxWxH)	20.3 x 11.2 x 20.9 cm		26.7 x 11.2 x 18.1 cm	

# Chemical Resistant Vacuum Pump



## Features

- ▶ **High chemical resistance**  
All wetted parts of Chemker series pump are made of PTFE material which can resist most of corrosive gases.
- ▶ **No air pollution, maintenance free**  
Chemker series pumps are driven by diaphragm, without the need of lubricant, regular oil changes and maintenance; with no oil pollution.
- ▶ **Quiet and low vibration**  
Driven directly by motor with no additional belt-driven transmission; the quality of vibration-proof assembly makes Chemker series pumps run at the lowest noise level among all other equivalent pumps.
- ▶ **Thermal protection device**  
Every motor of Chemker 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
- ▶ **One-Year Warranty**



Chemker 410



Chemker 411

## Applications

- ▶ Solvent purification
- ▶ Gel dryer
- ▶ Rotary evaporator
- ▶ Vacuum filtration

## Ordering Information

**169410-11(22)**  
Chemker 410,  
Chemical Resistant Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

**169411-11(22)**  
Chemker 411,  
Chemical Resistant Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

## Specification

Model	Chemker 410		Chemker 411	
	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Max. power	90W	90W	90W	90W
Max. current	1.2A	0.5A	1.2A	0.5A
Max. vacuum	10 mbar		10 mbar	
Max. flow rate	20 L/min	18 L/min	20 L/min	18 L/min
Motor rotation speed	1700 RPM	1450 RPM	1700 RPM	1450 RPM
Horse power	1/6 HP		1/6 HP	
Noise level	52 dB		52 dB	
Hose barb	ID8		ID8	
Moisture Trap / Vacuum regulator	-		Yes	
Safety	Thermal Protection		Thermal Protection	
Net weight	7.0 Kg		7.4 Kg	
Dimension (LxWxH)	26.2 x 14.8 x 18.2 cm		26.2 x 23.6 x 19.3 cm	

\* Glass Moisture Trap / Vacuum Regulator doesn't include filter cartridge

# Chemical Resistant Vacuum Pump



## Features

- ▶ **High chemical resistance**  
All wetted parts of Chemker series pump are made of PTFE material which can resist most of corrosive gases.
- ▶ **Start against vacuum**  
Chemker 600 series pumps, designed to start against vacuum, are ideal for various kinds of laboratory instruments which need to stop and restart pump repeatedly during operating process.
- ▶ **No air pollution, maintenance free**  
Chemker series pumps are driven by diaphragm, without the need of lubricant, regular oil changes and maintenance; with no oil pollution.
- ▶ **Quiet and low vibration**  
Driven directly by motor and vibration-proof assembly make Chemker series pumps run at the lowest noise.
- ▶ **Thermal protection device**  
The motor with thermal protection will shut off when overheated and resume working when cools down.
- ▶ **International certification**  
CE certification
- ▶ **One-Year Warranty**



Chemker 600

## Specification

Model	Chemker 600	
Voltage / Freq.	110V/60Hz	220V/50Hz
Max. power	220W	200W
Max. current	2A	1.2A
Max. vacuum	65 mbar	
Max. flow rate	65 L/min	60 L/min
Motor rotation speed	1750 RPM	1450 RPM
Horse power	1/3 HP	
Noise level	60 dB	
Hose barb	ID10	
Moisture trap / Vacuum regulator	-	
Safety	Thermal Protection	
Net weight	13.2 Kg	
Dimension (LxWxH)	35 x 15.4 x 22.5 cm	

## Applications

- ▶ Rotary evaporator
- ▶ Concentrator
- ▶ Vacuum drying / oven / defoaming
- ▶ Solvent purification
- ▶ Vacuum filtration

## Ordering Information

**169600-11(22)**  
Chemker 600,  
Chemical Resistant Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

# Chemical Resistant Vacuum Pump



## Features

- ▶ **High chemical resistance**  
All wetted parts of Chemker series pump are made of PTFE material which can resist most of corrosive gases.
- ▶ **Start against vacuum**  
Chemker 600 series pumps, designed to start against vacuum, are ideal for various kinds of laboratory instruments which need to stop and restart pump repeatedly during operating process.
- ▶ **Vacuum regulator / Moisture trap**  
Chemker 611 equipped with vacuum regulator and moisture trap used to adjust vacuum level and collect condensation to prolong the life of pump.
- ▶ **No air pollution, maintenance free**  
Chemker series pumps are driven by diaphragm, without the need of lubricant, regular oil changes and maintenance; with no oil pollution.
- ▶ **Quiet and low vibration**  
Driven directly by motor and vibration-proof assembly make Chemker series pumps run at the lowest noise.
- ▶ **Thermal protection device**  
The motor with thermal protection will shut off when overheated and resume working when cools down.
- ▶ **International certification**  
CE certification
- ▶ **One-Year Warranty**



Chemker 610



Chemker 611

## Specification

Model	Chemker 610		Chemker 611	
	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Max. power	220W	200W	220W	200W
Max. current	2A	1.2A	2A	1.2A
Max. vacuum	7 mbar		7 mbar	
Max. flow rate	34 L/min	30 L/min	34 L/min	30 L/min
Motor rotation speed	1750 RPM	1450 RPM	1750 RPM	1450 RPM
Horse power	1/3 HP		1/3 HP	
Noise level	60 dB		60 dB	
Hose barb	ID10		ID10	
Moisture trap / Vacuum regulator	-		Yes	
Safety	Thermal Protection		Thermal Protection	
Net weight	13.3 Kg		13.7 Kg	
Dimension (LxWxH)	35 x 16.2 x 22.5 cm		35 x 20.3 x 23.5 cm	

\* Glass Moisture Trap / Vacuum Regulator doesn't include filter cartridge

## Applications

- ▶ Rotary evaporator
- ▶ Concentrator
- ▶ Vacuum drying / oven / defoaming
- ▶ Solvent purification
- ▶ Vacuum filtration

## Ordering Information

**169610-11(22)**  
Chemker 610,  
Chemical Resistant Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)

**169611-11(22)**  
Chemker 611,  
Chemical Resistant Vacuum Pump  
AC110V, 60Hz (AC220V, 50Hz)