

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	
Voltage / Freq.	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	

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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	
Voltage / Freq.	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**

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)



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	

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**

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)



Chemker 610



Chemker 611

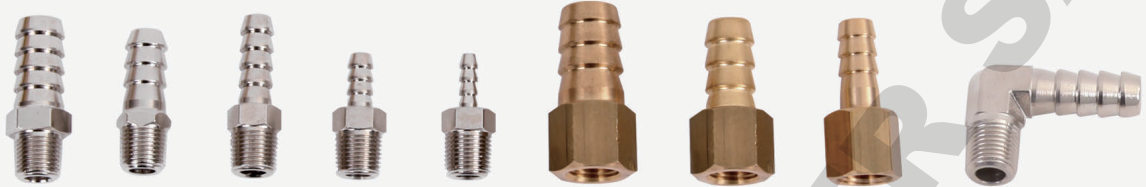
Specification

Model	Chemker 610		Chemker 611	
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	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

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

Filter Cartridge



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

Chemical Resistant Hose Barb



169300-21	169300-20
5/16 inch ID8 1/4 NPS	3/8 inch ID10 1/4 NPS

Air Outlet (Copper Muffler)



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

Check Valve



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

Silicone Tube



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

Universal Foot Switch



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