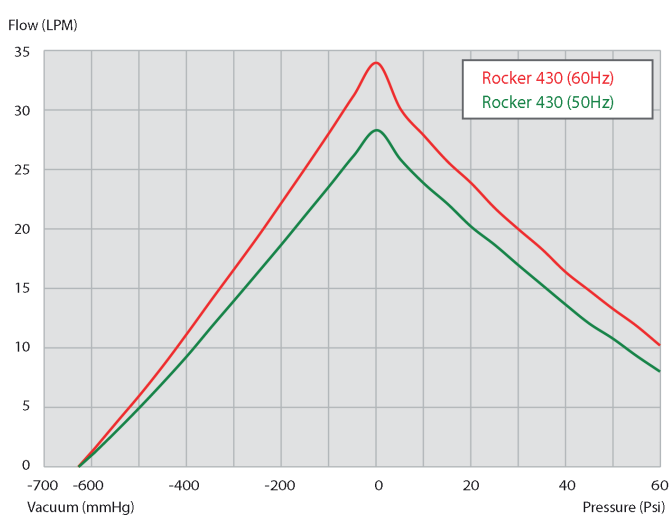
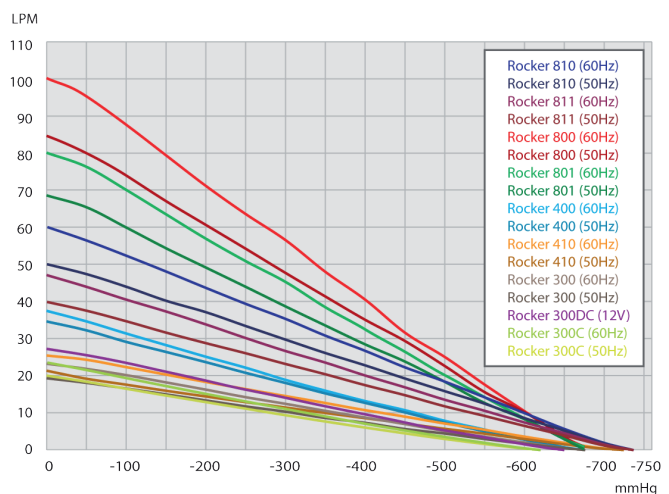


Laboratory pump overview





Oil Free Vacuum Pump

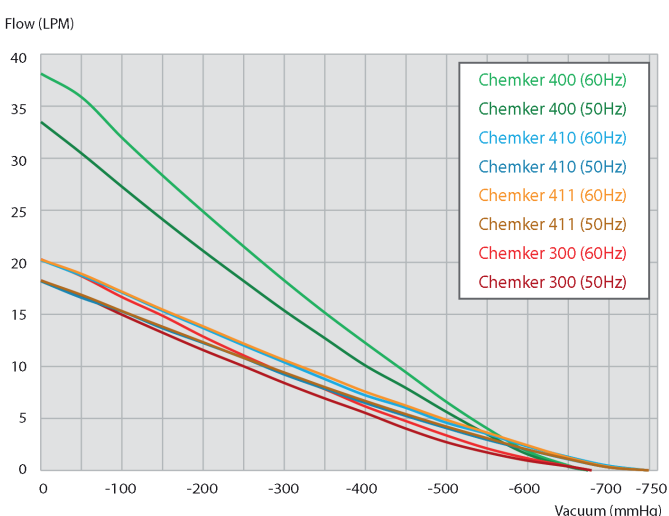
	Rocker 300 Max. vacuum : - 680 mmHg Max. flow rate : 23 (20) l/min
	Rocker 300DC Max. vacuum : - 650 mmHg Max. flow rate : 25 l/min
	Rocker 400 Max. vacuum : - 680 mmHg Max. flow rate : 37 (34) l/min
	Rocker 410 Max. vacuum : - 735 mmHg Max. flow rate : 23 (20) l/min
	Rocker 800 Max. vacuum : - 670 mmHg Max. flow rate : 100 (84) l/min
	Rocker 801 Max. vacuum : - 670 mmHg Max. flow rate : 80 (68) l/min
	Rocker 810 Max. vacuum : - 735 mmHg Max. flow rate : 60 (50) l/min
	Rocker 811 Max. vacuum : - 735 mmHg Max. flow rate : 48 (40) l/min
	Rocker 430 Max. vacuum : - 630 mmHg Max. flow rate : 34 (28) l/min Max. pressure : 80 psi

Pumping speed graph



Chemical Resistant Vacuum Pump

	Chemker 300 Max. vacuum : - 670 mmHg Max. flow rate : 20 (18) l/min
	Chemker 400 Max. vacuum : - 670 mmHg Max. flow rate : 38 (33) l/min
	Chemker 410 Max. vacuum : - 750 mmHg Max. flow rate : 20 (18) l/min
	Chemker 411 Max. vacuum : - 750 mmHg Max. flow rate : 20 (18) l/min



Laboratory pump

Oil free vacuum pump



Rocker 300 / 300DC

- up to -680mmHg
- up to 25 l/min
- 50dB



Rocker 400 / 410

- up to -735mmHg
- up to 37 l/min
- 52dB



Rocker 800/810/801/811

- up to -735mmHg
- up to 100 l/min
- 68dB



Rocker 430

- up to -630mmHg
- up to 80 psi
- up to 34 l/min
- 52dB

Oil free vacuum pump



Rocker 300



Rocker 300 DC

Rocker 300 / 300 DC up to -680mmHg, 25 l/min, 50dB

Ideal for:

- filtration for microbiology test
- air sampling
- suspended solid test
- vacuum filtration

Features:

- lubricant and oil free piston
- no air pollution
- maintenance-free
- Prote™ filter prevents from liquid being sucked into the pump and filters particles as well as moisture
- CE certified

Safety mechanism:

- thermal protection device ensures shutting down the pump when overheated and resumes working when the temperature cooled down

Model	Rocker 300		Rocker 300 DC
	110V / 60Hz	230V / 50Hz	DC 12V
Max. power (W)	65	60	35
Max. current (A)	0.7	0.3	3
Max. vacuum	-680 mmHg (80mbar)		-650 mmHg (110mbar)
Max. flow rate	23 l/min	20 l/min	25 l/min
Moisture trap / vacuum regulator	Yes		Yes
Overflow protection	Yes		Yes
Motor rotation	1750 rpm	1450 rpm	1800 rpm
Horse power	1/8 HP		1/8 HP
Noise level	50 dB		50 dB
Port thread	5/16 inch (8mm)		5/16 inch (8mm)
Net weight	4.1 kg		3.5 kg
Dimension (LxWxH)	26.8 x 13.5 x 20.4 cm		26.8 x 13.5x 20.4 cm
Order number	00829 167300-11	00829 167300-22	00829 167330-00

Oil free vacuum pump



Rocker 400



Rocker 410

Rocker 400 / 410 up to -735mmHg, 37 l/min, 52dB

Ideal for:

- filtration for microbiology test
- air sampling
- suspended solid test
- vacuum filtration

Features:

- lubricant and oil free piston
- no air pollution
- maintenance-free
- Prote™ filter prevents from liquid being sucked into the pump and filters particles as well as moisture
- CE certified

Safety mechanism:

- thermal protection device ensures shutting down the pump when overheated and resumes working when the temperature cooled down

Model	Rocker 400		Rocker 410	
	110V / 60Hz	230V / 50Hz	110V / 60Hz	230V / 50Hz
Max. power (W)	100	80	100	80
Max. current (A)	1.0	0.4	1.0	0.4
Max. vacuum	-680 mmHg (80mbar)		-735 mmHg (25 mbar)	
Max. flow rate	37 l/min	34 l/min	23 l/min	20 l/min
Moisture trap / vacuum regulator	Yes		Yes	
Overflow protection	Yes		Yes	
Motor rotation	1750 rpm	1450 rpm	1750 rpm	1450 rpm
Horse power	1/6 HP		1/6 HP	
Noise level	52 dB		52 dB	
Port thread	5/16 inch (8mm)		5/16 inch (8mm)	
Net weight	5.2 kg		5.2 kg	
Dimension (LxWxH)	31.0 x 13.5 x 20.4 cm		31.0 x 13.5 x 20.4 cm	
Order number	00829 167400-11	00829 167400-22	00829 167410-11	00829 167410-22

Oil free vacuum pump



Rocker 800



Rocker 810

Rocker 800 / 810 up to -735mmHg, 100 l/min, 68dB

Ideal for:

- vacuum drying
- vacuum oven
- high volume degas
- high volume vacuum filtration

Features:

- lubricant and oil free piston
- no air pollution
- maintenance-free
- Prote™ filter prevents from liquid being sucked into the pump and filters particles as well as moisture
- CE certified

Safety mechanism:

- thermal protection device ensures shutting down the pump when overheated and resumes working when the temperature cooled down

Model	Rocker 800		Rocker 810	
	110V / 60Hz	230V / 50Hz	110V / 60Hz	230V / 50Hz
Max. power (W)	220	200	220	200
Max. current (A)	2.0	0.9	2.0	0.9
Max. vacuum	-670 mmHg (90mbar)		-735 mmHg (25mbar)	
Max. flow rate	100 l/min	84 l/min	60 l/min	50 l/min
Moisture trap / vacuum regulator	Yes		Yes	
Overflow protection	No		No	
Motor ration	1750 rpm	1450 rpm	1750 rpm	1450 rpm
Horse power	1/3 HP		1/3 HP	
Noise level	68 dB		68 dB	
Port thread	3/8 inch (10mm)		3/8 inch (10mm)	
Net weight	7.8 kg		7.8 kg	
Dimension (LxWxH)	34.5 x 17.5 x 20 cm		34.5 x 17.5 x 20 cm	
Order number	00829 167800-11	00829 167800-22	00829 167810-11	00829 167810-22

Oil free vacuum pump



Rocker 801



Rocker 811

Rocker 801 / 811 up to -735mmHg, 80 l/min, 68dB

Ideal for:

- filtration for microbiology test
- air sampling
- suspended solid test
- vacuum filtration

Features:

- lubricant and oil free piston
- no air pollution
- maintenance-free
- Prote™ filter prevents from liquid being sucked into the pump and filters particles as well as moisture
- CE certified

Safety mechanism:

- thermal protection device ensures shutting down the pump when overheated and resumes working when the temperature cooled down

Model	Rocker 801		Rocker 811	
	110V / 60Hz	230V / 50Hz	110V / 60Hz	230V / 50Hz
Max. power (W)	220	200	220	200
Max. current (A)	2.0	0.9	2.0	0.9
Max. vacuum	-670 mmHg (90mbar)		-735 mmHg (25mbar)	
Max. flow rate	80 l/min	68 l/min	48 l/min	40 l/min
Moisture trap / vacuum regulator	Yes		Yes	
Overflow protection	No		No	
Motor ration	1750 rpm	1450 rpm	1750 rpm	1450 rpm
Horse power	1/3 HP		1/3 HP	
Noise level	68 dB		68 dB	
Port thread	3/8 inch (10mm)		3/8 inch (10mm)	
Net weight	7.9 kg		7.9 kg	
Dimension (LxWxH)	34.5 x 17.5 x 20 cm		34.5 x 17.5 x 20 cm	
Order number	00829 167801-11	00829 167801-22	00829 167811-11	00829 167811-22

Oil free vacuum pump



Rocker 430

Rocker 430 -630 mmHg, 80 psi, up to 34 l/min

Ideal for:

- filtration for microbiology test
- air sampling
- suspended solid test
- vacuum filtration

Features:

- lubricant and oil free piston
- no air pollution
- maintenance-free
- Prote™ filter prevents from liquid being sucked into the pump and filters particles as well as moisture
- CE certified

Safety mechanism:

- thermal protection device ensures shutting down the pump when overheated and resumes working when the temperature cooled down

Model	Rocker 430	
	110V / 60Hz	230V / 50Hz
Max. power (W)	147	125
Max. current (A)	1.5	0.6
Max. vacuum	-630 mmHg	
Max. pressure	80 psi	
Max. flow rate	34 l/min	28 l/min
Moisture trap / vacuum regulator	Yes	
Overflow protection	Yes	
Motor ration	1700 rpm	1450 rpm
Horse power	1/6 HP	
Noise level	52 dB	
Port thread	5/16 inch (8mm)	
Net weight	5.5 kg	
Dimension (LxWxH)	24.7 x 23 x 26.9 cm	
Order number	00829 167430-11	00829 167430-22

Laboratory pump

Chemical resistant vacuum pump



Chemker 300

- -670mmHg
- up to 20 l/min
- 50dB



Chemker 400

- up to -670mmHg
- up to 38 l/min
- 50dB



Chemker 410

- up to -750mmHg
- up to 20 l/min
- 50dB



Chemker 411

- up to -750mmHg
- up to 20 l/min
- 50dB

Chemical resistant vacuum pump



Chemker 300



Chemker 400

Chemker 300 / 400 up to -670mmHg, 20 l/min, 50dB

Ideal for:

- vacuum filtration
- gel electrophoresis
- solid phase extraction (SPE)
- solvent purification

Features:

- high chemical resistant due to PTFE materials
- no air pollution
- maintenance-free
- quiet operation and low vibration
- direct driven motor
- CE certified

Safety mechanism:

- thermal protection device ensures shutting down the pump when overheated and resumes working when the temperature cooled down

Model	Chemker 300		Chemker 400	
	110V / 60Hz	230V / 50Hz	110V / 60Hz	230V / 50Hz
Max. power (W)	70	30	90	90
Max. current (A)	0.8	0.32	1.1	0.5
Max. vacuum	-670 mmHg (90mbar)		-670 mmHg (90mbar)	
Max. flow rate	20 l/min	18 l/min	38 l/min	33 l/min
Motor rotation	1700 rpm	1450 rpm	1700 rpm	1450 rpm
Horse power	1/8 HP		1/6 HP	
Noise level	50 dB		50 dB	
Port thread	5/16 inch (8mm)		5/16 inch (8mm)	
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	
Order number	00829 169300-11	00829 169300-22	00829 169400-11	00829 169400-22

Chemical resistant vacuum pump



Chemker 410



Chemker 411

Chemker 410 / 411 up to -750mmHg, 20 l/min, 50dB

Ideal for:

- vacuum filtration
- gel electrophoresis
- solid phase extraction (SPE)
- solvent purification
- rotary evaporator

Features:

- high chemical resistant due to PTFE materials
- no air pollution
- maintenance-free
- quiet operation and low vibration
- direct driven motor
- CE certified

Safety mechanism:

- thermal protection device ensures shutting down the pump when overheated and resumes working when the temperature cooled down

Model	Chemker 410		Chemker 411	
	110V / 60Hz	230V / 50Hz	110V / 60Hz	230V / 50Hz
Max. power (W)	90	90	90	90
Max. current (A)	1.2	0.5	1.2	0.5
Max. vacuum	-750 mmHg		-750 mmHg	
Max. flow rate	20 l/min	18 l/min	20 l/min	18 l/min
Motor rotation	1700 rpm	1450 rpm	1700 rpm	1450 rpm
Horse power	1/6 HP		1/6 HP	
Noise level	50 dB		50 dB	
Port thread	5/16 inch (8mm)		5/16 inch (8mm)	
Net weight	7.0 kg		7.4 kg	
Glass vapor trap	-		yes	
Vacuum regulator	-		yes	
Dimension (LxWxH)	20.3 x 11.2 x 20.9 cm		26.7 x 11.2 x 18.1 cm	
Order number	00829 169410-11	00829 169410-22	00829 169411-11	00829 169411-22

Vacuum pump accessories

Hose barb

- suitable for all vacuum pumps
- made of brass

Port thread	Capacity	Order number
3/8 inch, 9.5 mm	1/8 PT	00829 167300-20
3/8 inch, 8 mm	1/8 PT	00829 167300-21
3/8 inch, 6.4 mm	1/8 PT	00829 167300-63
3/8 inch, 4.8 mm	1/8 PT	00829 167300-23
3/8 inch, 3.2 mm	1/8 PT	00829 167300-24
1/2 inch, 12.5 mm	1/4 PT	00829 187100-32
3/8 inch, 9.5 mm	1/4 PT	00829 187100-31
1/4 inch, 6.4 mm	1/4 PT	00829 187100-34



Chemical resistant connector

- suitable for all vacuum pumps

Port thread	Capacity	Order number
5/16 inch, 8 mm	1/4 MPT	00829 169300-20



For oil free vacuum pumps

Prote™ filter cartridge

- suitable for oil free vacuum pumps

For device...	Order number
300, 400, 410, 430	00829 167301-07
801, 811	00829 167601-07



For chemical resistant vacuum pumps

Glass vapor trap

- suitable for chemical resistant vacuum pumps

For device...	Material	Order number
300, 400, 410	Glass	00829 169301-06



Moisture trap / Vacuum regulator

- suitable for oil free vacuum pumps

For device...	Material	Order number
300, 400, 410, 430	PC	00829 167301-06
801, 811	PC	00829 167601-06



Vapor trap / Vacuum regulator

- suitable for chemical resistant vacuum pumps

For device...	Material	Order number
300, 400, 410	Glass	00829 169311-06
300, 400, 410	PC	00829 169300-06



Air outlet (copper muffler)

- suitable for oil free vacuum pumps

For device...	Order number
300, 400, 410, 430	00829 167300-42
800, 801, 810, 811	00829 167600-42



Laboratory pump

Oil free compressor & air supply system



Rocker 320

- 100 psi
- up to 14 l/min
- 50dB



Rocker 420

- 100 psi
- up to 27 l/min
- 50dB



Rocker 440

- 40 - 60 psi
- up to 27 l/min
- 52dB

Oil free compressor



Rocker 320



Rocker 420

Rocker 320 / 420 100 psi, 14 l/min, 50dB

Ideal for:

- aeration
- pressure filtration

Features:

- no air pollution
- maintenance-free
- quiet operation and low vibration
- direct driven motor
- air outlet filter device for filtering particles, moisture and supply clean air
- CE certified

Safety mechanism:

- thermal protection device ensures shutting down the pump when overheated and resumes working when the temperature cooled down

Model	Rocker 320		Rocker 420	
	110V / 60Hz	230V / 50Hz	110V / 60Hz	230V / 50Hz
Max. power (W)	90	85	147	125
Max. current (A)	0.9	0.4	1.5	0.6
Max. pressure (w/o moisture trap)	100 psi		100 psi	
Max. pressure (w. moisture trap)	80 psi		80 psi	
Max. flow rate	14 l/min	12 l/min	27 l/min	25 l/min
Moisture trap	yes		yes	
Motor rotation	1700 rpm	1400 rpm	1700 rpm	1400 rpm
Horse power	1/8 HP		1/6 HP	
Noise level	50 dB		52 dB	
Port thread	5/16 inch (8mm)		5/16 inch (8mm)	
Net weight	4.1 kg		5.2 kg	
Dimension (LxWxH)	27.2 x 13.6 x 16.5 cm		29.8 x 14.3 x 17.2 cm	
Order number	00829 167320-11	00829 167320-22	00829 167420-11	00829 167420-22



Rocker 440

Rocker 440 40-60 psi, up to 27 l/min, 52dB

Ideal for:

- fermenter
- bioreactor
- gas chromatography

Features:

- no air pollution
- maintenance-free
- quiet operation and low vibration
- direct driven motor
- air outlet filter device for filtering particles, moisture and supply clean air
- CE certified

Safety mechanism:

- thermal protection device ensures shutting down the pump when overheated and resumes working when the temperature cooled down

Model	Rocker 440						
Voltage	110V / 60Hz			230V / 50Hz			
Max. power (W)	147			125			
Max. current (A)	1.5			0.6			
Pressure range	40 - 60 psi						
Max. flow rate (w/o air tank)	27 l/min			25 l/min			
Max. flow rate (w. air tank)	20 psi	0-15 sec 40 l/min	15-30 sec decreasing	after 30 sec 27 l/min	0-15 sec 40 l/min	15-30 sec decreasing	after 30 sec 25 l/min
	40 psi	0-10 sec 52 l/min	10-25 sec decreasing	after 25 sec 27 l/min	0-10 sec 50 l/min	10-25 sec decreasing	after 25 sec 25 l/min
	60 psi	0-8 sec 65 l/min	8-22 sec decreasing	after 22 sec 27 l/min	0-8 sec 60 l/min	8-22 sec decreasing	after 22 sec 25 l/min
Moisture trap	yes						
Motor rotation	1700 rpm			1400 rpm			
Horse power	1/6 HP						
Noise level	52 dB						
Port thread	5/16 inch (8mm)						
Net weight	8.4 kg						
Dimension (LxWxH)	29.3 x 31.1 x 25.1 cm						
Order number	00829 16744011			00829 167440-22			