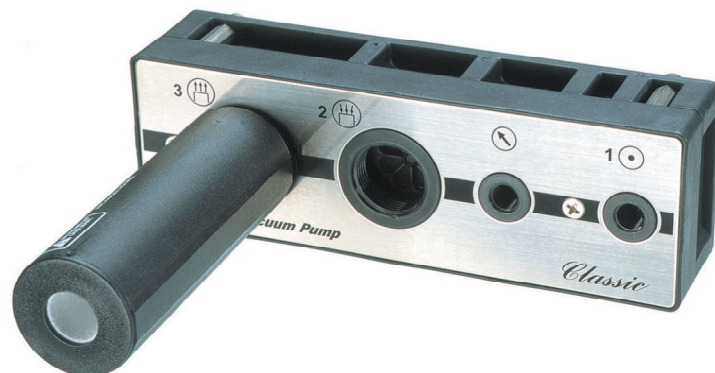


# Classic H40



A traditional Piab vacuum pump developed to be used within the chemical industry or in chemically aggressive environments. It can achieve higher vacuum levels, even down to 99.8 -kPa. It is available with connection plate in composite PPS. We recommend it to be used with practically zero leakage present and in nonporous applications.

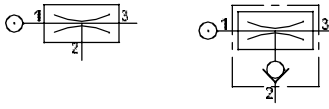
## Vacuum flow

Feed pressure MPa	Air consumption NI/s	Vacuum flow (NI/s) at different vacuum levels (-kPa)												Max vacuum -kPa
		0	10	20	30	40	50	60	70	80	90	95	99	
0.6	2.6	2.8	2.1	1.5	0.9	0.4	0.3	0.2	0.14	0.1	0.095	0.019	0.005	99.8

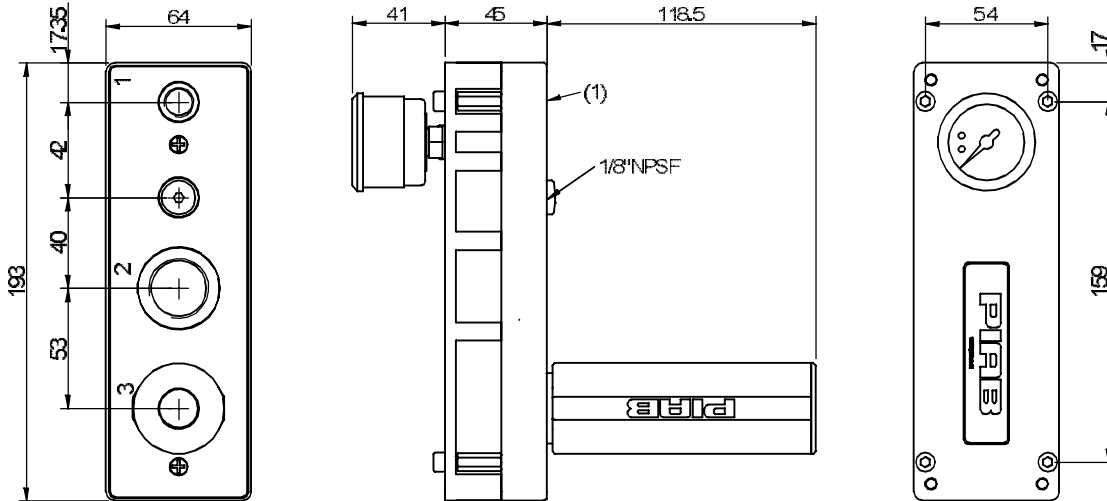
## Evacuation times

Feed pressure MPa	Air consumption NI/s	Evacuation time (s/l) to reach different vacuum levels (-kPa)												Max vacuum -kPa
		10	20	30	40	50	60	70	80	90	95	99	99,5	
0.6	2.6	0.032	0.075	0.15	0.32	0.64	1.1	1.7	2.6	3.9	5.5	9.8	12	99.8

### Dimensional drawing



	1	2	3
D	1/8" NPSF	3/4"	3/4"
AD	3/4"	3/4"	3/4"
E	1/2" NPT	3/4" NPT	3/4" NPT



### Ordering information

For a complete list of available pumps and combinations with further information visit [piab.com](http://piab.com). On our webpage you will also be able to find dimensional drawings, CAD-drawings and much more. Register and get full access to all resources available.

# Classic H120



A traditional Piab vacuum pump developed to be used within the chemical industry or in chemically aggressive environments. It can achieve higher vacuum levels, even down to 100.8 -kPa. It is available with connection plate in composite PPS or aluminium. We recommend it to be used with practically zero leakage present and in nonporous applications.

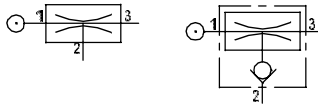
## Vacuum flow

Feed pressure MPa	Air consumption NI/s	Vacuum flow (NI/s) at different vacuum levels (-kPa)												Max vacuum -kPa
		0	10	20	30	40	50	60	70	80	90	95	99	
0.6	7.6	8.4	6.6	4.7	2.7	1.5	1.2	0.86	0.62	0.43	0.1	0.05	0.01	100.8

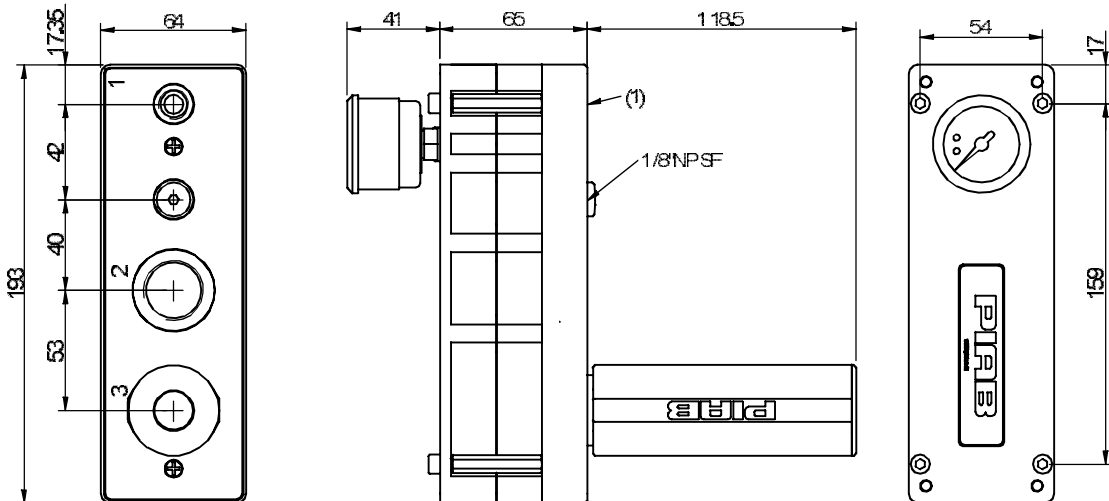
## Evacuation times

Feed pressure MPa	Air consumption NI/s	Evacuation time (s/l) to reach different vacuum levels (-kPa)													Max vacuum -kPa
		10	20	30	40	50	60	70	80	90	95	99	99,5	100,3	
0.6	7.6	0.018	0.033	0.06	0.11	0.18	0.27	0.42	0.62	1.3	2.1	4.2	5.4	8.3	100.8

### Dimensional drawing



	1	2	3
D	1/8" NPSF	3/4"	3/4"
AD	3/4"	3/4"	3/4"
E	1/4" NPT	3/4" NPT	3/4" NPT



### Ordering information

For a complete list of available pumps and combinations with further information visit [piab.com](http://piab.com). On our webpage you will also be able to find dimensional drawings, CAD-drawings and much more. Register and get full access to all resources available.

# Lab Vac LVH40



This vacuum pump is tailor-made for laboratory applications, such as degassing, vacuum filtering, gel drying and rotation evaporation. It can achieve high vacuum levels to 20 mbar abs. with a maximum vacuum flow of 9 m<sup>3</sup>/h. There is no risk for “back draft” which can cause damaged test samples. Its low noise level, easy installation and maintenance is widely appreciated.

It has a high chemical resistance, with an option to have with Kalrez sealing material which normally makes the chemical resistance unsurpassed.

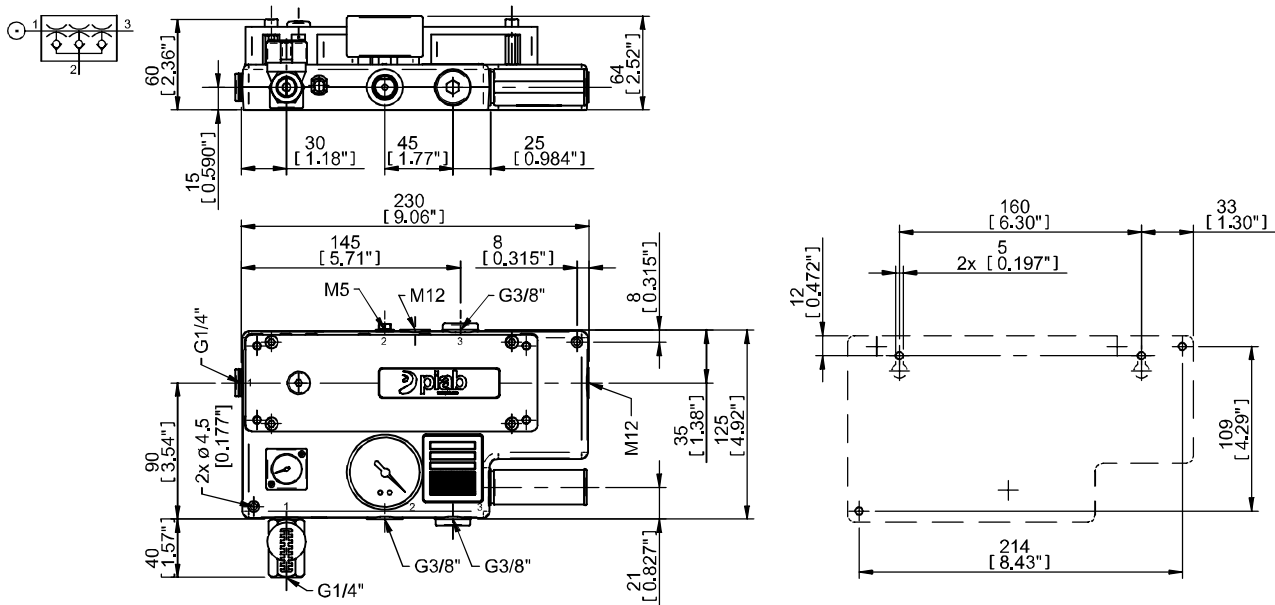
## Vacuum flow

Feed pressure	Air consumption	Vacuum flow (NI/s) at different vacuum levels (-kPa)											Max vacuum
MPa	NI/s	0	10	20	30	40	50	60	70	80	90	95	-kPa
0.60	2.6	2.5	1.8	1.3	0.7	0.53	0.35	0.24	0.16	0.12	0.06	0.02	98

## Evacuation times

Feed pressure	Air consumption	Evacuation time (s/l) to reach different vacuum levels (-kPa)											Max vacuum
MPa	NI/s	10	20	30	40	50	60	70	80	90	95	-kPa	
0.60	2.6	0.04	0.09	0.18	0.41	0.71	1.09	1.65	2.48	3.91	6.01	98	

## Dimensional drawing



## Ordering information

For a complete list of available pumps and combinations with further information visit [piab.com](http://piab.com). On our webpage you will also be able to find dimensional drawings, CAD-drawings and much more. Register and get full access to all resources available.

# Vacuum pump CLASSIC H40, connection plate composite PPS(D), Viton® sealings, 0100194



- Higher vacuum levels to 99.8 -kPa
- Use with practically zero leakage present and non-porous applications
- Available with connection plate in composite PPS (D)

## General

Material	Viton®, PPS, SS
Noise level	60 – 65 dBA
Temperature	-20 – 110 °C
Weight	885 g

## Performance

Feed pressure, max.	0.7 MPa
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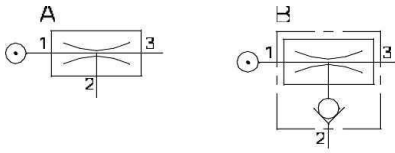
## Vacuum flow

Feed pressure MPa	Air consumption NL/s	Vacuum flow (NL/s) at different vacuum levels (-kPa)														Max vacuum -kPa
		0	10	20	30	40	50	60	70	80	90	95	99			
0.6	2.6	2.8	2.1	1.5	0.9	0.4	0.3	0.2	0.14	0.1	0.095	0.019	0.005	99.8		

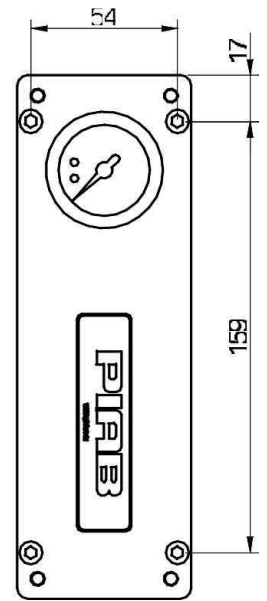
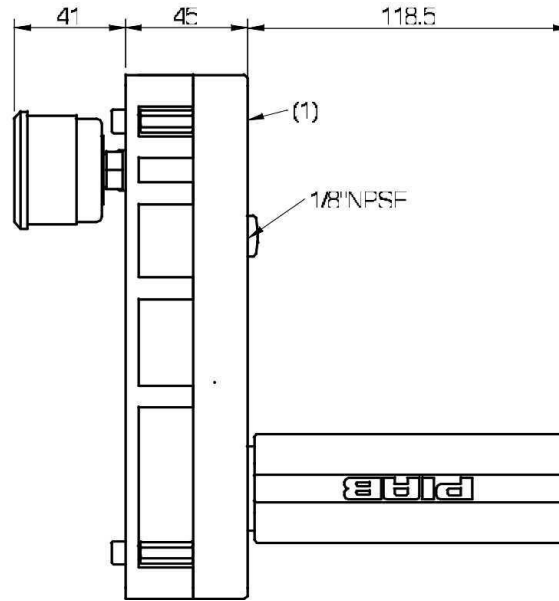
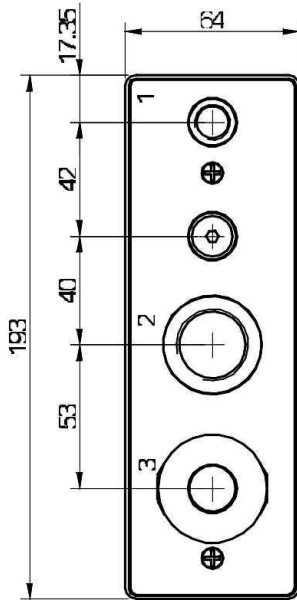
## Evacuation time

Feed pressure MPa	Air consumption NL/s	Evacuation time (s/l) to reach different vacuum levels (-kPa)														Max vacuum -kPa
		10	20	30	40	50	60	70	80	90	95	99	99.5			
0.6	2.6	0.032	0.075	0.15	0.32	0.64	1.1	1.7	2.6	3.9	5.5	9.8	12	99.8		

## Dimensional drawings



	1	2	3
D	1/8" NPSF	3/4"	3/4"
AD	3/4"	3/4"	3/4"
E	1/4" NPT	3/4" NPT	3/4" NPT



### Spare parts

	Item no.
Sealing kit CLASSIC, Viton®	3201069V
Sealing kit CLASSIC, NBR	3201069



# Vacuum pump CLASSIC H120, connection plate composite PPS(D), Viton® sealings, 0100212



- Higher vacuum levels to 100.8 -kPa
- Use with practically zero leakage present and non-porous applications
- Available with connection plate in aluminium (AD) and composite PPS (D)

## General

Material	Viton®, PPS, SS
Noise level	60 – 65 dBA
Temperature	-20 – 110 °C
Weight	820 g

## Performance

Feed pressure, max.	0.7 MPa
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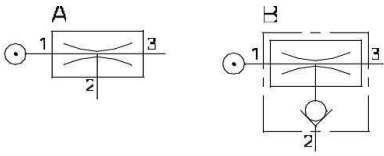
## Vacuum flow

Feed pressure MPa	Air consumption NL/s	Vacuum flow (NL/s) at different vacuum levels (-kPa)													Max vacuum -kPa
		0	10	20	30	40	50	60	70	80	90	95	99		
0.6	7.6	8.4	6.6	4.7	2.7	1.5	1.2	0.86	0.62	0.43	0.1	0.05	0.01	100.8	

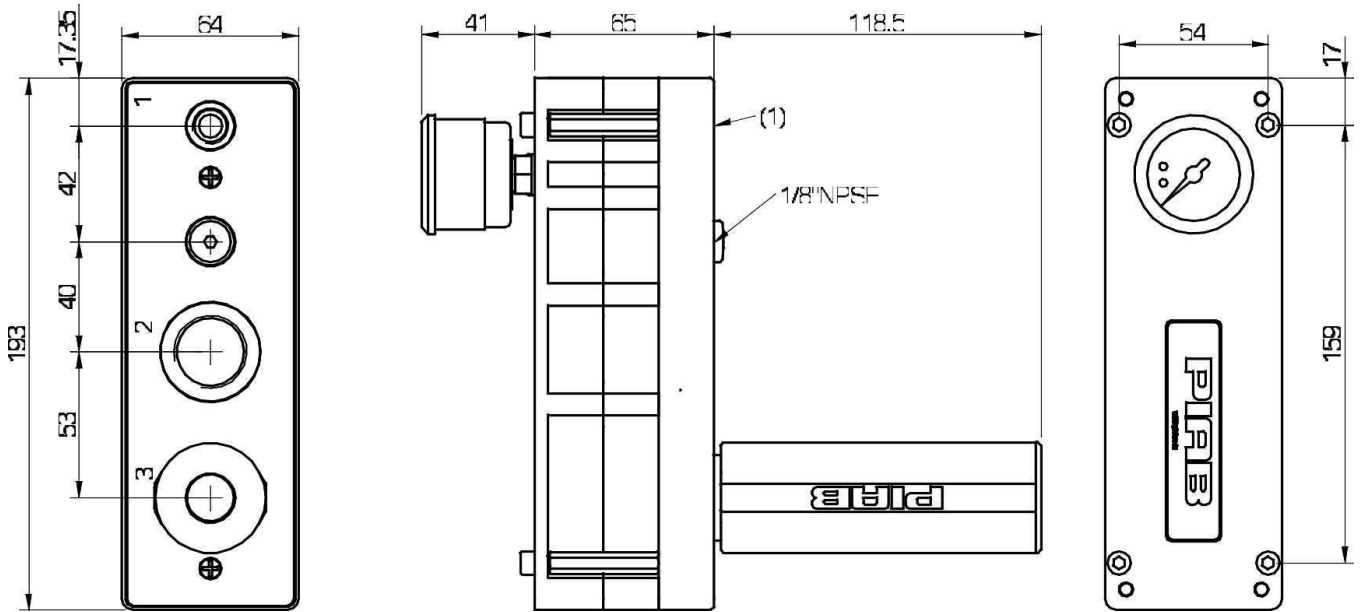
## Evacuation time

Feed pressure MPa	Air consumption NL/s	Evacuation time (s/l) to reach different vacuum levels (-kPa)													Max vacuum -kPa
		10	20	30	40	50	60	70	80	90	95	99	99.5	100.3	
0.6	7.6	0.018	0.033	0.06	0.11	0.18	0.27	0.42	0.62	1.3	2.1	4.2	5.4	8.3	100.8

## Dimensional drawings



	1	2	3
D	1/8"NPSF	G3/4"	G3/4"
AD	G1/2"	G3/4"	G3/4"
E	1/4"NPT	3/4"NPT	3/4"NPT



### Spare parts

	Item no.
Sealing kit CLASSIC, Viton®	3201069V
Sealing kit CLASSIC, NBR	3201069

# Lab Vac LVH40K6, Viton® sealings, Kalrez flap valves, 0103684



- Vacuum pumps tailor-made for laboratory applications, such as degassing, vacuum filtering, gel drying and rotation evaporation.
- High vacuum levels to 20 mbar abs. with a maximum vacuum flow of 9 m<sup>3</sup>/h.
- No risk for "back draft" which can cause damaged test samples.
- Low noise level.
- Easy to install and virtually no maintenance.
- Energy efficient vacuum pumps based on environmental friendly technology.
- High chemical resistance, option with KalRez sealing material makes the chemical resistance unsurpassed.

## General

Material	Kalrez, Viton®, PPS, SS, Al
Noise level	62 – 66 dBA
Temperature	-20 – 110 °C
Weight	1.5 kg

## Performance

Feed pressure, max.	0.7 MPa
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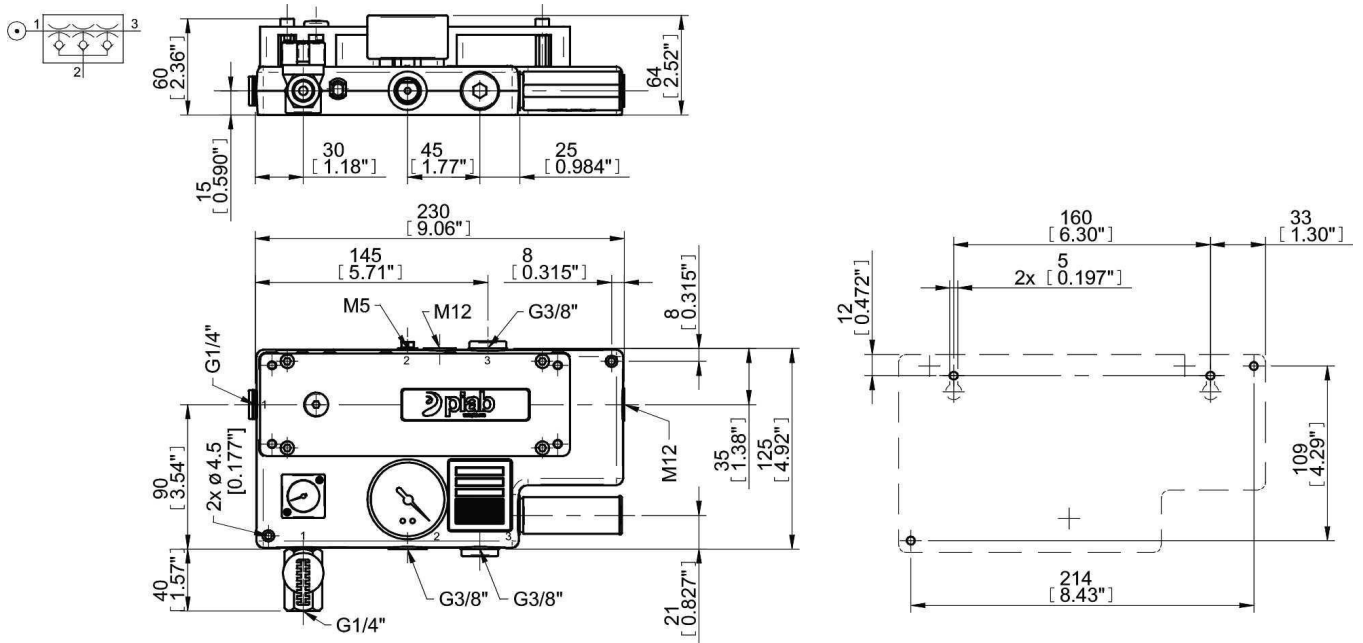
## Vacuum flow

Feed pressure MPa	Air consumption NL/s	Vacuum flow (NL/s) at different vacuum levels (-kPa)												Max vacuum -kPa
		0	10	20	30	40	50	60	70	80	90	95		
0.6	2.6	2.5	1.8	1.3	0.7	0.53	0.35	0.24	0.16	0.12	0.06	0.02	98	

## Evacuation time

Feed pressure MPa	Air consumption NL/s	Evacuation time (s/l) to reach different vacuum levels (-kPa)												Max vacuum -kPa
		10	20	30	40	50	60	70	80	90	95			
0.6	2.6	0.04	0.09	0.18	0.41	0.71	1.09	1.65	2.48	3.91	6.01	98		

## Dimensional drawings



### Spare parts

	Item no.
Spare part kit Lab Vac 40-80, Kalrez/Viton®	0104948

### Accessories

	Item no.
piSAVE™ onoff with small hysteresis	0118100
Vacuum filter 0.3 µm	0100947