

Liquid traps

- Optimized protection of vacuum pumps
- High efficiency to drain liquids in vacuum pipeline
- Models with stainless steel mechanical float (cutting the flow in the event of liquid overflow) to protect the pumping group
- Plexiglas, polycarbonate or PYREX see-through bowls
- 316L stainless steel version available for liquid traps type 100 / 125 / 200
- Wall fixation or head fitting on machine frame
- Venting valve

Options

- Pyrex glass bottle fixed under the trap to drain condensates
- Fitting of an automatic liquid drain under the trap to allow purging the liquid without stopping the process

Principle

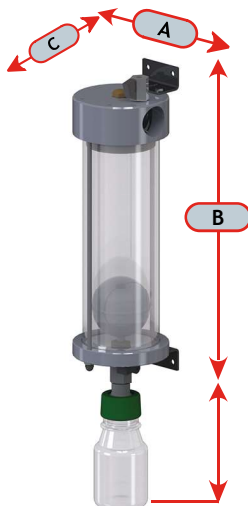
- Flow entrained air and liquids enter the liquid trap and are separated by the deflector
- The liquid drops fall to the bottom of the tank
- In the version with mechanical float : the float rises with the liquid level to cut off the flow

Dimensions (mm)

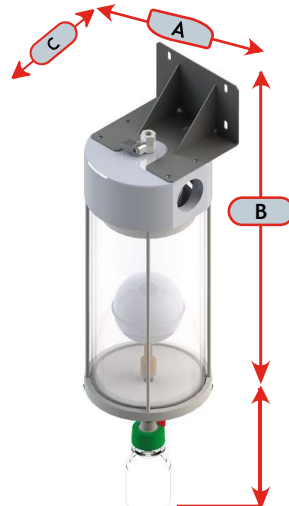
	A	B	C	Tank	Weight (kg)	
					Aluminium	Stainless steel
Liquid trap type 100	125	415	137	2 L	6	8
Liquid trap type 125	125	415	137	2 L	6	8
Liquid trap type 200	200	625	200	8 L	10	23
Liquid trap type 250	200	625	200	8 L	10	-
Liquid trap type 300	345	647	290	16 L	15	-
Liquid trap type 400	345	647	290	16 L	15	-

Optional PYREX bottle
 250 ml bottle : B + 160 mm
 500 ml bottle: B + 200 mm
 1000 ml bottle : B + 250 mm

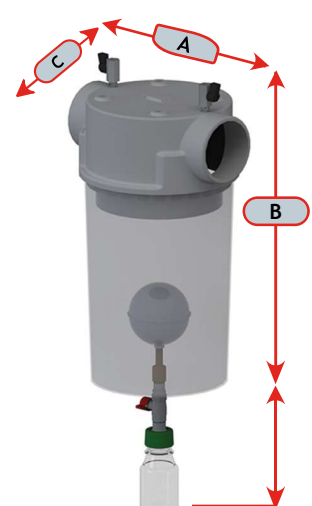
100 - 125 type trap



200 - 250 type trap



300 - 400 type trap



Liquid traps

References and characteristics

Aluminium head Plexiglas cylinder	100	125	200	250
Flow rate m ³ /h	48	120	340	408
Inlet / Outlet BSPP	1"	1"1/4	2"	2"1/2
Drain valve outlet	G1/2"	G1/2"	G1/2"	G1/2"
Without mechanical float	724793	724797	724983	724985
With mechanical float	724794	724798	724984	724986

Aluminium head Pyrex cylinder	100	125	200	250
Flow rate m ³ /h	48	120	340	408
Inlet / Outlet BSPP	1"	1"1/4	2"	2"1/2
Drain valve outlet	G1/2"	G1/2"	G1/2"	G1/2"
Without mechanical float	724807	724811	725148	725150
With mechanical float	724808	724812	725149	725151

Aluminium head Polycarbonate cylinder	300	400
Flow rate m ³ /h	696	835
Inlet / Outlet BSPP	3"	4"
Drain valve outlet	G1/2"	G1/2"
Without mechanical float	724809	724813
With mechanical float	724810	724814

125 type trap with 2l automatic drain



316L stainless steel head Pyrex cylinder	100	125	200
Flow rate m ³ /h	48	120	340
Inlet / Outlet BSPP	1"	1"1/4	2"
Drain valve outlet	G1/2"	G1/2"	G1/2"
Without mechanical float	724795	724799	724803
With mechanical float	724796	724800	724804

Options	100	125	200	250	300	400
250 ml PYREX bottle						615441
500 ml PYREX bottle						615442
1000 ml PYREX bottle						615443
Bracket for wall fixing	Included				617512	
DN80 flanges	---				617513	---
DN100 flanges	---				617514	
Automatic drain	Electro-pneumatic with control board					816002
	Electrical with control board					816003

Automatic drains

- Automatic evacuation of liquids from the bottom of the trap or of the tank without interrupting pumping
- To be fitted on a tank or liquid trap
- Autonomous due to the Millenium control board

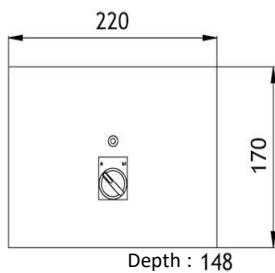
Principle

- The Millenium PLC controls the alternating opening and closing of the 2 solenoid valves in order to evacuate the liquid without reducing the vacuum level
- PLC with backlit LCD display indicating :
 - Operation in progress + timer
 - Active valve(s)

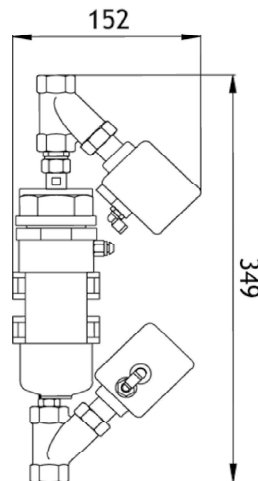


Dimensions (mm)

Electrical box (wall mounting)



Automatic drain



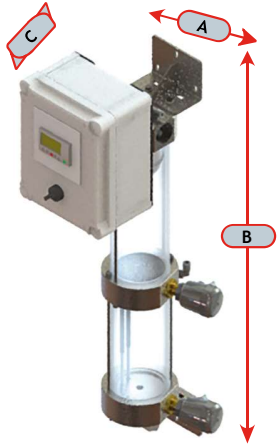
References and characteristics

Automatic drain		Flow rate
Electro-pneumatic with control board	816002	0,47 l/min
Electrical with control board	816003	

Combined liquid trap / automatic drain

- Pre-assembled combination unit
- Wall mounting or direct mounting on machine frame

Dimensions (mm)



	A	B	C	E / S	Flow rate
liquid trap with drain	250	800	310	1"1/4	1,34 l/min

Reference

Liquid trap type 125 with 2l electro-pneumatic automatic drain * 821664

* Contact us for other sizes

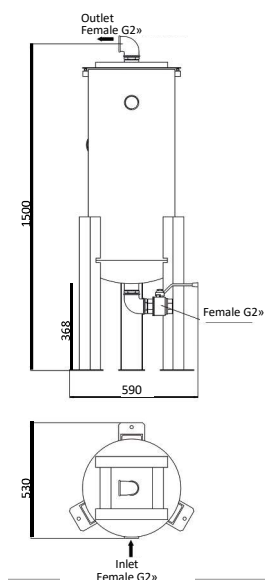
Liquid cyclonic separator

- High liquid retention capacity, 100 l tank.
- «L» configuration, side entry, 2" top connection
- Painted carbon steel tank or stainless steel tank with removable lid for easy cleaning
- Low and high level sight glasses
- Evacuation by 2" manual ball valve

Principle

- The air and liquids entrained by the flow enter the tank and are separated in the deflector thanks to the centrifugal effect
- The liquid drops fall to the bottom of the tank

Dimensions (mm)



References

Liquid cyclonic separator

Carbon steel separator	616113
Stainless-steel separator	619058

3" or 4" connections are available as option, contact us

Specifications are subject to be changed without notice.

Condensor liquid traps

- Protection of the vacuum pump by trapping vapors in highly degassing processes such as drying
- 316L stainless steel head, transparent pyrex cylinder
- Bracket included for wall mounting or head fitting on machine frame
- Venting valve and cooling water inlet valve included

Options

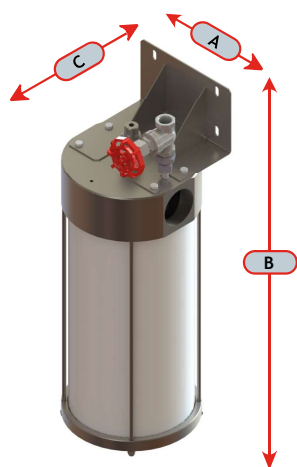
- Pyrex bottle mounted under the liquid trap to drain the condensate
- Installation of an automatic drain under the liquid trap to allow purging without stopping the process
- Autonomous cooler for the water loop

Principle

- Trapping is based on 2 principles: refrigeration and droplet catching
- The gas with the condensable vapors is directed by the central rod towards the bottom of the cylinder
- The large exchange surface (plates + metal mesh) allows the flow cooling and the vapors condensing into droplets
- The dried gas is collected at the head level of the liquid trap, the droplets fall by gravity to the bottom of the cylinder



Dimensions (mm)



	A	B	C
TM2 trap	200	625	200

Optional PYREX bottle

250 ml bottle : B + 160 mm
 500 ml bottle : B + 200 mm
 1000 ml bottle : B + 250 mm



Cooler

References and characteristics

Condensor liquid trap		TM2	Options	
Maximum vacuum pump flow rate	m ³ /h	80	250 ml PYREX bottle	615441
Network end vacuum	mbar	3	500 ml PYREX bottle	615442
Vacuum network connections		2"BSPP	1000 ml PYREX bottle	615443
Cooling water connections		G 1/2"	Electro-pneumatic drain	816002
Draining valve outlet		G 1/2"	Electrical drain	816003
Reference		725177	Water cooler	Contact us