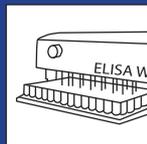
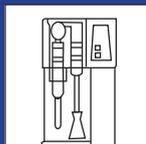
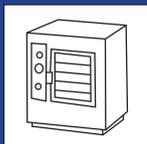
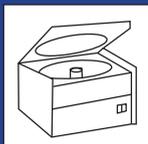


# Vacuum Pumps

2 x 10 L/min lowest vacuum  
down to 0,1 hPa



***VacSafe and RotaSafe 15*** are a range of compact, transportable and strong 2 x 10 or 15 L/min - low vacuum to 0,1 hPa - vacuum pumps. They use no oil and no membranes only water, never break and are completely maintenance free. The pump traps all vapours and any liquids from the work process and avoids their release into the room, thereby ensuring the safety of the operators. Includes cooling for use with Rotary evaporator applications and/ or when low vacuum levels are required.

**SCANVAC**

**VacSafe 15** is a compact, transportable and strong 15 l/min - low vacuum to 6 mbar - vacuum pump. VacSafe 15 uses no oil and no membranes only water. The mechanical vacuum pump never breaks and is completely maintenance free. The pump traps all vapours and any liquids from the work process and avoids their release into the room, thereby ensuring the safety of the operators. The pump takes up no space, is easily cleanable and with a low weight of 4 kg inclusive of water allows convenient transportation. The water allows the pump to be vibration free and virtually noiseless. The pump has 2 vacuum pipes each with a capacity of 10 l/min.

#### High performance

The high capacity of 2 × 10 L/min or 1 × 15 L/min and the low ultimate vacuum of 20 hPa ensure the highest performance for most applications.

#### Vibration free

Water acts as vibration damper compensating for any vibrations developed in the laboratory or during the process giving a vibration free vacuum process.

#### Environmentally friendly

Traps all vapours and condensates by preventing release of organic solvents, acids and other residues into the drain and laboratory environment but into a clean and controllable closed container system

#### Economic

Maintenance free with no oil or expensive unpractical, membrane change.



VacSafe 15 S



VacSafe 15 Q

Specifications	VacSafe 15 Q	VacSafe 15 S
Air capacity (1 atm.), L/min:	2 × 10 or 1 × 15	2 × 10 or 1 × 15
Ultimate vacuum:		
24 °C, hPa:	20	20
2 °C, hPa:	7	7
Time for reaching 50 hPa (at 25 °C), min	6	6
Noise level at max. flow, dB(A)	< 53	< 53
Power, V/Hz:	230/50, 115/60	230/50, 115/60
Power consumption, W:	100	100
Materials:	Polycarbonate tank Stainless steel AISI 304	Stainless steel tank
Weight, kg:	3	4
Includes:	2 separate pipes	2 separate pipes

Corrosion resistant and strong cleanable design.

Long life time - it never breaks.  
Saves energy - RotaSafe uses only 500 Watts – compared to normal vacuum and cooling systems.  
- CO<sub>2</sub> emission saver. Involves no expensive spare parts.

#### User-friendly

Noiseless, Portable, Compact and easy cleanable for safe handling of even highly hazardous material. Can be supplied with foot switch for easy start / stop.

#### The Water jet alternative

Saves up to 5 tons of valuable tap water per working day. When compared to traditional water jet systems with a pay back time less than 3 months.





**RotaSafe 15** is the best choice for taking up to 1-2 Rotary evaporators allowing sharp separation of solvents even at low boiling points and high volumes. Be independent of your instrument and save space and money.

RotaSafe 15 is a compact and strong 15 L/min - low vacuum, (down to 0.1 hPa with ethylene glycol and water at -20°C) - vacuum pump. RotaSafe 15 uses no oil and no membranes, only water. The mechanical vacuum pump never breaks and is completely maintenance free. The pump traps all vapours and any liquids from the work process and avoids their

release into the room, thereby ensuring the safety of the operators. The Cooling bath is the most compact and strongest in the market giving a cooling capacity of 400 watt at 0°C ensuring the best results- independent of the operator.

The cooling capacity and the pump allows the operation of 2 separate systems simultaneously.

Specifications	RotaSafe 15
Air capacity (1 atm.), L/min:	2 × 10 or 1 × 15
Cooling capacity:	600 watt at 20°C, 400 watt at 0°C, 200 watt at - 20°C
Ultimate vacuum:	
20 °C, hPa:	20
0 °C, hPa:	6
- 20 °C water/ethylen glycol	0,1 hPa
Time for reaching 50 hPa (at 25 °C ), min	6
Noise level at max. flow, dB(A)	< 53
Power, V/Hz:	230/50, 115/60
Power consumption, W:	500
Materials Bath:	Stainless steel tank
Cabinet:	Polyester coated steel Stainless steel AISI 304
Weight, kg	35
Includes:	2 separate pipes

**Accessories:**

Connection of the 2 pipes to 1 for higher volume performance.

Cat. nr. 7.001.000.103

Extra silicone tubing per meter

Cat. nr. 7.010.001.001



Vacuum regulator add on for easy control and regulation of the vacuum level.

Cat. nr. 7.001.000.102



Footswitch for easy start/stop of operation saving energy

Cat. nr. 7.001.000.104



Drip Catcher for taking solvent prior to the pump saving expensive water.

Cat. nr. 7.001.000.106



