

## Model 7 l/min (0.247 cfm)



### OVERVIEW :

It is a metal diaphragm twin-headed vacuum pump. As all the pumps we produce, this model is perfectly clean and dry. Materials exposed to the vacuum environment are 316L stainless steel (except four small springs in beryllium bronze and the metal that you choose for the static metallic seals). Safety is reinforced by a double containment barrier which internal pressure is permanently monitored by an electrical contact manometer.

### OPERATING PRINCIPAL :

Each pumping head is made up of a cylinderhead-diaphragm sub-assembly. Suction and discharge of the gas result of the alternative motion of each diaphragm and valves. Both chest of valves include possibly a by-pass for high pressures. The motor power is transmitted to the metal diaphragms by one crankshaft, then by an intermediary mechanism.

### APPLICATIONS :

These pumps are used all over the world to circulate all kind of gases which can be aggressive, inert, toxic or radioactive (for instance, corrosive gases like UF<sub>6</sub>, ClF<sub>3</sub> in uranium enrichment industry). This pump is also used as a backing pump for our model 15 m<sup>3</sup>/h to achieve 5.10<sup>-3</sup> mbar from atmospheric pressure.

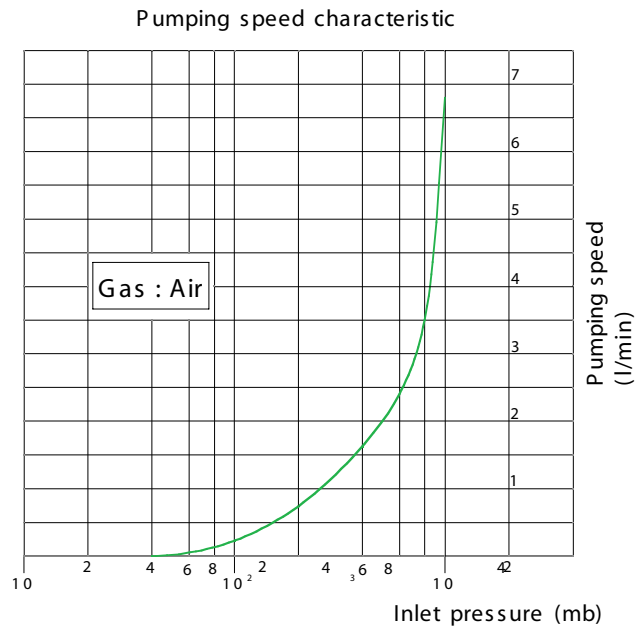
### BENEFITS :

- Completely dry and fluid tight vacuum pump
- Safety, reliability
- Low running and maintenance cost (no liquid nitrogen, no oil, long service life)
- Low noise and vibration level

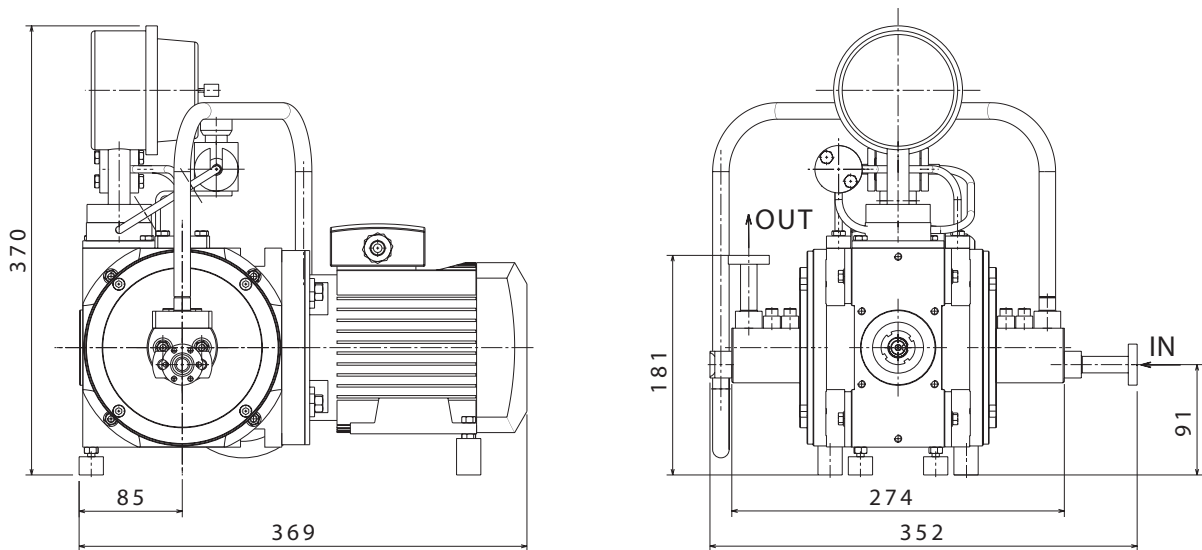
## TECHNICAL DATA :

Displacement (50 Hz operation) :	7 l/min (0.247 ft <sup>3</sup> .min <sup>-1</sup> )
Ultimate vacuum :	< 45 mbar
Maximum outlet pressure	1500 mbar abs.
Connections :	DN16(CF or KF) or Cajon™ 1/2"
Motor power	0.12 kW
Enclosure rating	IP 55
Motor voltage :	
¥ 3-phase 50 Hz	230-400 V
¥ 3-phase 60 Hz	220-440 V
Other voltage	On application
Weight	25 kg (55.1 lb)
Leak tightness (helium)	< 10 <sup>-8</sup> mbar.l.s <sup>-1</sup>

## PERFORMANCES :



## DIMENSIONS (in millimeters) :



Your Authorized Distributor is: Stultz USA  
1-706-925-1220  
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Email: [rfq@stultzusa.com](mailto:rfq@stultzusa.com)