

VS16K & IS16K vacuum switches

User adjustable and vacuum interlock switches.

The VS16K is a general purpose vacuum switch with a user adjustable set point and a small switching differential. The switch point can easily be set using a screwdriver over the range 30 - 1000 mbar.

The IS16K vacuum interlock switch is designed to safeguard the operator by ensuring that electrical circuits in the vacuum chamber do not remain energised when the system is let up to atmosphere.

Typical applications include interlocking of the HT cleaning or processing circuits on thin film deposition and vacuum systems.



Features and benefits

- VS16K
 - High vacuum compatible - only stainless steel parts exposed to vacuum
 - Set point independent of gas composition - ideal for backfilling applications
 - “Normally Open” and “Normally Closed” contacts
- IS16K
 - Single non-adjustable set point - cannot be tampered with
 - High vacuum compatible - only stainless steel parts exposed to vacuum

Applications

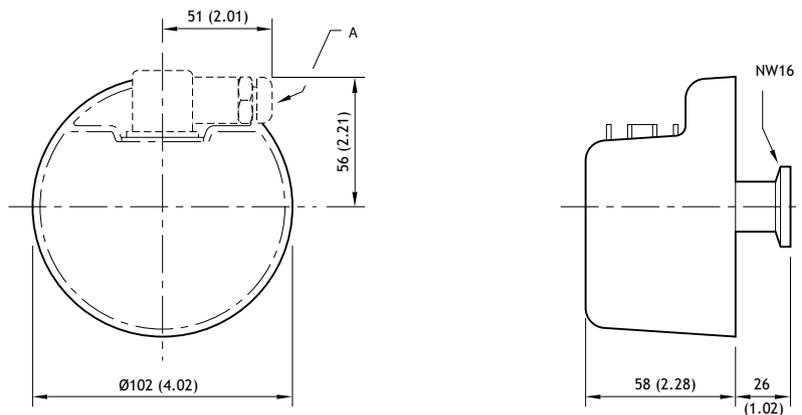
- Furnaces
- Laboratories
- Tank units
- Packaging
- General purpose pumping units

Technical data

	VS16K	IS16K
Range of adjustment	30 to 1000 mbar *	-
Fixed set point	-	600 mbar *
Maximum switching differential	30 mbar	1000 mbar
Maximum working pressure	1 bar gauge (2 bar absolute)	1 bar gauge (2 bar absolute)
Electrical rating	10A resistive, 5A inductive at 250 V ac	10A resistive, 5A inductive at 250 V ac
Electrical connection plug	Type 283 mPm	Type 283 mPm
Internal volume	7 cm ³	7 cm ³
Materials in vacuum	Stainless steel	Stainless steel
Leak rate	<1 x 10 ⁻⁹ mbar ls ⁻¹	<1 x 10 ⁻⁹ mbar ls ⁻¹
Enclosure classification	IP52	IP52
Weight	0.7 kg	0.7 kg
Vacuum connection	NW16	NW16
Accessories supplied	Mating electrical socket Type 183 mPm	Mating electrical socket Type 183 mPm

* Set point varies with barometric pressure

Dimensions - mm (inch)



A: Mating half shown fitted

Ordering information

Product description	Ordering information
VS16K adjustable vacuum switch	D05915000
IS16K vacuum interlock switch	D05914000

Global contacts

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