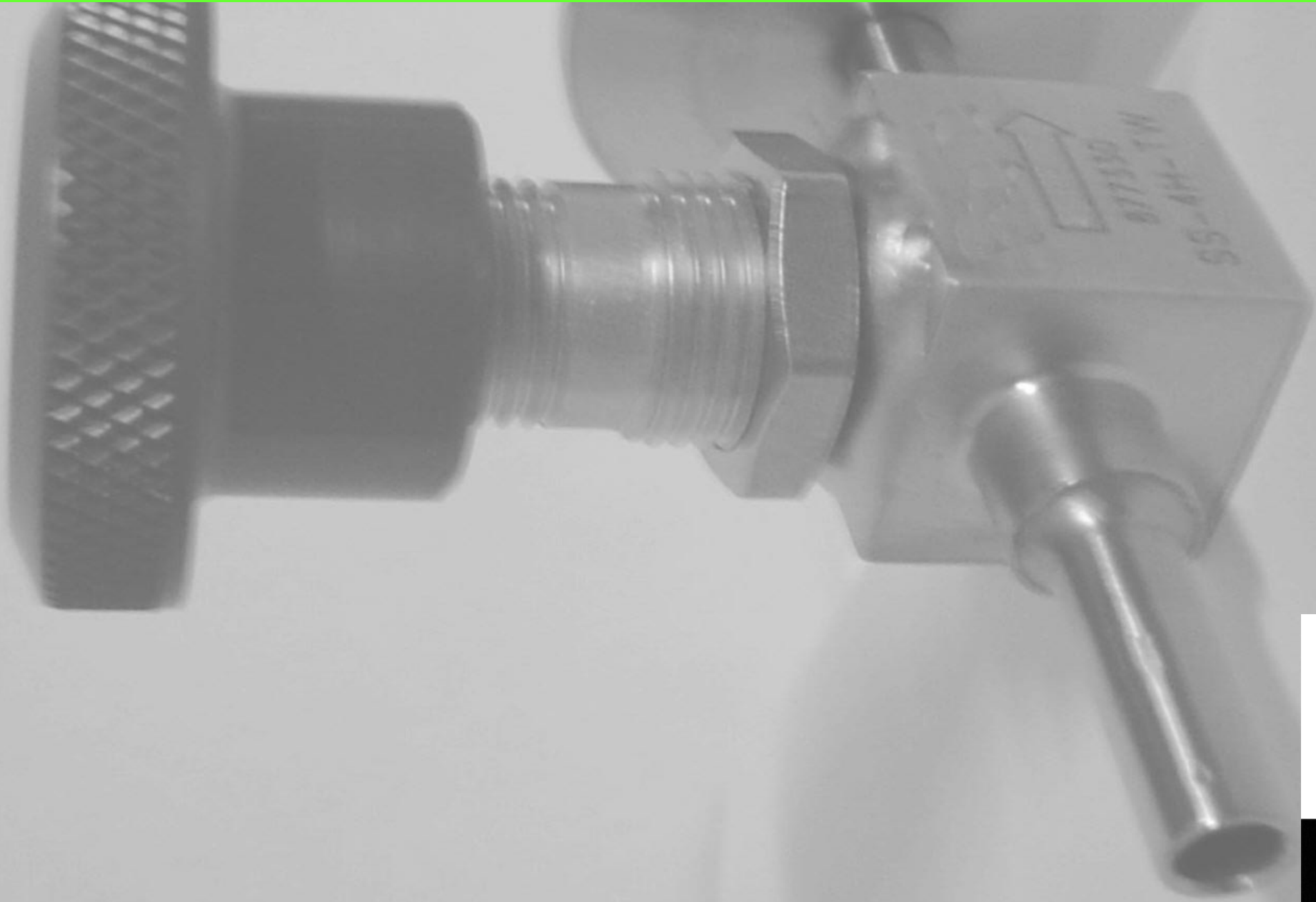


# 7.0 vacuum accessories



### Index

• <i>Foreline Traps Coaxial</i>	2
• <i>Molecular Sieve Traps</i>	3
• <i>Up-To-Air Valves / Pressure Burst Disc</i>	4
• <i>Heater Tapes / Temperature Controller</i>	5
• <i>UHV Glues, Lubricants and precision ball bearings</i>	6

**Description**

An easy to use method to prevent a backstreaming of pump fluids into your system are fore line adsorption pumps. These non rechargeable traps use either high reactive durable copper or stainless steel. The contaminated trap can be replaced.

**Specification**

- Copper or Stainless Steel as trapping element
- Low cost system protection from pump oil backstreaming
- 2 stage trapping system
  - stage 1: stainless steel baffle – extends the life of the element
  - stage 2: absorbent metal element
- Easy-to-use design
- Several connection options possible

Description	A (mm)	B (mm)	Part Number
ADSORPTION TRAP COPPER ON KF16	63,5	76,2	7-VA-5110
ADSORPTION TRAP STAINLESS STEEL ON KF16	63,5	76,2	7-VA-7010
ADSORPTION TRAP COPPER ON KF25	101,6	216	7-VA-6010
ADSORPTION TRAP STAINLESS STEEL ON KF25	101,6	216	7-VA-9010
ADSORPTION TRAP COPPER ON KF40	101,6	216	7-VA-0110
ADSORPTION TRAP STAINLESS STEEL ON KF40	101,6	216	7-VA-1110
ADSORPTION TRAP COPPER ON KF50	101,6	216	7-VA-2110
ADSORPTION TRAP STAINLESS STEEL ON KF50	101,6	216	7-VA-3110

A: outer diameter; B: overall length

*Rechargeable vacuum traps in-line and angled available upon request. Please call our sales office*

**Description**

A rechargeable method to prevent backstreaming of pump fluids or steaming are molecular sieve traps that work with an adsorption mechanism. As trapping material synthetic zeolites are used. The traps will be supplied with a heating system to recreate the trapping material.

Description	A (mm)	B (mm)	C (mm)	Part Number
MOLECULAR SIEVE TRAP ON KF16	114,3	133,0	236,0	7-VA-6110
MOLECULAR SIEVE TRAP ON KF25	114,3	133,0	236,0	7-VA-7110
MOLECULAR SIEVE TRAP ON KF40	114,3	203,0	236,0	7-VA-8110
MOLECULAR SIEVE TRAP ON KF50	114,3	203,0	236,0	7-VA-9110

**Replacement charge**

Description	Body height	Element	Part Number
ZEOLITE CHARGE FOR BODY HEIGHT 133mm	133 mm	Zeolite	7-VA-4010
ZEOLITE CHARGE FOR BODY HEIGHT 203mm	203 mm	Zeolite	7-VA-5010

### Description

Up-to-air valves are supplied on standard flange sizes with a valve (either mounted at the centre or at the flange side) that allows direct venting or back filling of your system. Different connection types as Swagelok, VCR, NPT or tube style on the valve side are possible. The valves are applicable in HV conditions. Please contact the sales office for further information.

Description	Part Number
KF16 FLANGE WITH UP-TO-AIR VALVE TUBE ENDS 6,4 CENTER MOUNT	7-UV-0010
KF25 FLANGE WITH UP-TO-AIR VALVE TUBE ENDS 6,4 CENTER MOUNT	7-UV-1010
KF40 FLANGE WITH UP-TO-AIR VALVE TUBE ENDS 6,4 CENTER MOUNT	7-UV-2010
KF50 FLANGE WITH UP-TO-AIR VALVE TUBE ENDS 6,4 CENTER MOUNT	7-UV-3010
CF16 FLANGE WITH UP-TO-AIR VALVE TUBE ENDS 6,4 CENTER MOUNT	7-UV-4010
CF40 FLANGE WITH UP-TO-AIR VALVE TUBE ENDS 6,4 CENTER MOUNT	7-UV-5010
CF16 DOUBLE SIDED FLANGE WITH UP-TO-AIR VALVE TUBE ENDS 6,4 SIDE MOUNT	7-UV-6010
CF40 DOUBLE SIDED FLANGE WITH UP-TO-AIR VALVE TUBE ENDS 6,4 SIDE MOUNT	7-UV-7010

# Pressure Burst Disc

### Description

Vacuum systems that run the risk of escalating over pressure can be protected by pressure burst discs. Once the pressure burst disc is activated the over pressure finds a secure way out of the system and avoids a damage at other components. Typically, the burst disc will release in the pressure range between 1 - 1.8 bar. A used unit has to be replaced. Burst discs with CE-Norm can be provided by request.

Please contact the sales office for burst discs on different flange types or pressure ranges.



Description	Part Number
PRESSURE BURST DISC ON CF16	7-VA-6010

**Description**

Bake out heater tapes are an easy-to-use component for heating and maintaining constant temperatures on the outside of vacuum systems. We offer 2 different versions: Silicon rubber with Teflon insulated tapes and Glass weave-insulated tapes. Different standard lengths (500 – 3000mm) and customized lengths can be provided. Please call our sales office for further information.



Description	Part Number
Heater tape 230V - 400W - 1000x50mm silicon rubber	7-BA-0010
Heater tape 230V - 1200W - 3000x50mm silicon rubber	7-BA-1010
Heater tape 230V - 900W - 3000x30mm silicon rubber	7-BA-2010

## Temperature Controller

**Description**

A microprocessor based controller for heater tapes with a compact design can be provided. Please contact the sales office for further information.

Description	Part Number
TEMPERATURE CONTROLLER	7-BA-0020

**Description**

Though Glues can not usually be used under UHV conditions, we can offer a 2-components-epoxy-patch showing no filler or solvent. All versions are thermally conductive, 2 versions are electrically conductive and 1 version show an electrically insulating property.

The glues can be used in different temperature ranges.



Description	Part Number
UHV Glue electrical conducting, max. T 150°C	7-GL-0010
UHV Glue electrical conducting, max. T 270°C	7-GL-1010
UHV Glue electrical insulating, max. T 150°C	7-GL-2010

## UHV Lubricants

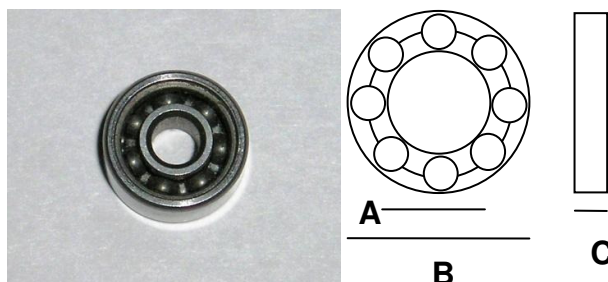
**Description**

We are offering several types of Lubricants and greases for different purposes. Please contact the office for further information.

## UHV Precision ball bearings

**Description**

We supply UHV clean precision ball bearings without use of lubrication. 2 different types are available: All metal bearings and bearings with ceramic ball races. For further information please contact our sales office.



# 7.0 vacuum accessories

**vaqtec**-scientific

quality in vacuum technology

**vaqtec-scientific**

Thulestr. 18b

D-10829 Berlin

Germany

Tel. +49 (0)30 7871 3158

Fax: +49 (0)30 787 13159

[sales@vaqtec-scientific.com](mailto:sales@vaqtec-scientific.com)