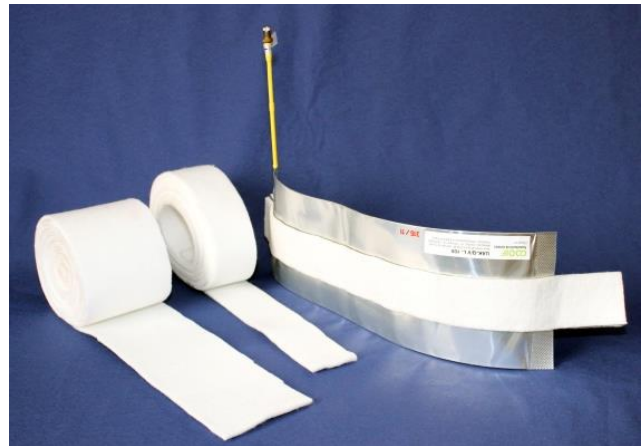


Cable and duct sealing

Sealing cushion with swelling material made of special super-absorbent fibres



Sealing cushion coated with swelling material QAK/V for buildings, FTTH entries and exits for applications in photovoltaic, wind energy and biogas facilities and movement or expansion joints etc.

Product advantages

- Quick retro-sealing
- Immediate sealing against water, dust, smoke and noise
- Vibration-resistant sealing
- Grease-free sealing
- No unwanted adhesion; reusable after the swelling material has dried out thoroughly
- Lightweight. For example, 64% weight is saved for type L in comparison with standard Vaseline-Petrolatum sealing tape.
- Tightness up to 10 m water column (directly on contact with water)
- The sealing cushion has a long service life.

Long service life

The service life of air-filled sealing elements depends on the leak rate of the product. The leak rate requirement of Deutsche Telekom TS0307/96 for sealing elements is $< 4.4 \times 10^{-6}$ mbarl/sec (138 mbarl/ year). The **Wolf sealing elements have a leak rate of $< 5.5 \times 10^{-8}$ mbarl/sec (2.7 mbarl/ year)**, due to the materials used, the welding method and ultimately the welded-on valve for type L100. This corresponds to a service life of **> 20 years**.

The sealing systems (valve) fulfil international requirements

The sealing systems (valve) fulfil the technical requirements for sealing elements laid down by Deutsche Telekom TS0307/96, Siemens AG Energy Sector, DVGW 601 gas & water, section 4.10.5, British Telecom, France Telecom, amongst others.

e.g. ▪ **Temperature resistance**

Type ADE/V, in operation, -15°C to +30°C installation -5°C to +45°C

**Type QAK/V, in operation, -30°C to +45°C installation -5°C to +45°C
(+70°C over a short period)**

- **Tightness against pressing water up to 5 m water column (0.5 bar)**
- **Resistance to chemical mixtures pH2, pH12, diesel, super unleaded and premium unleaded petrol**

References

Since 2006 Wolf sealing systems have been in use in the Deutsche Telekom AG network, Fraport AG, motorways, lock areas belonging to the waterways and shipping authorities, military zones in combination with Maxcell Innerduct, the Grevesmühle wind power station (Juwi Wind), and in network provider applications e.g. EWE, the electrical trade and the private sector.

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