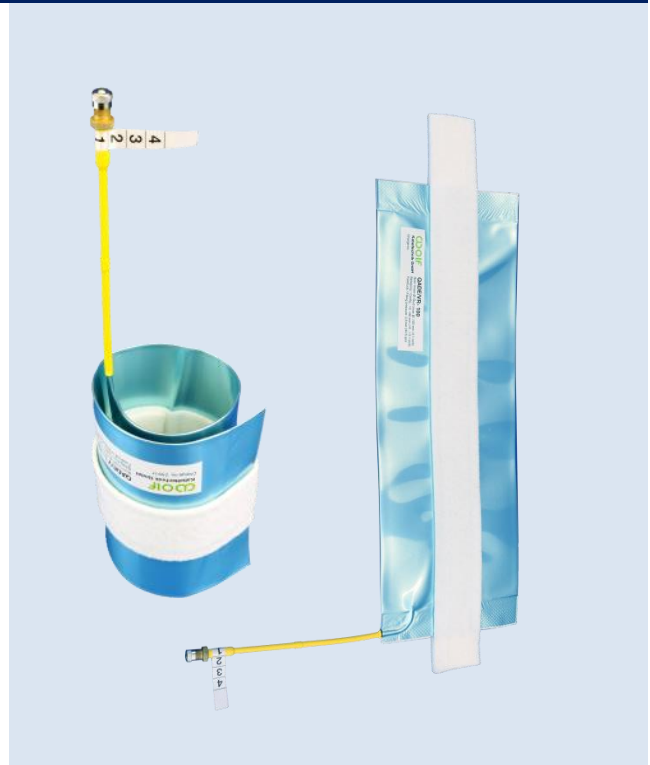


Swelling sealing element QADE/V for telecommunication cables

The universal sealing system for cable ducts, cable distributors and service entries in the telecommunications sector.
For duct ID Ø 40 - 150 mm.
4 x reusable.



General information

ADE/V sealing elements with a valve (Fibre Optics CT patent, registered under EP15154700.7), which were introduced with a petrolatum coating in January 2006 and redesigned with a swelling material coating (QADE/V-L) in 2013, have had undiminished success on the market.

The sealing element (valve) fulfils the requirements of the T-Com TS 0307/96 (Approval No. Wolf 2005-08-11 ADE 100 (valve)).

Wolf sealing elements provide the user with a durable, reliable seal in a temperature range -15°C to +30°C (+45°C for a short period of 4h).

Product description

Sealing cushion materials:

The flat tube cushion is made of a five-layered aluminium laminate.

The high quality of both material and processing guarantees a very low diffusion/leak rate of ~ 0.73 mbarl / year and ensures a long service life.

The filling unit:

In order to be able to fill the sealing cushion several times (4 times), a patented metal air valve with a plastic-coated valve extension is connected to the sealing cushion by means of a heat-seal welding process.

The pressure is filled via a pressure hose, which is plugged onto the sealing cushion to fill the car valve. After the pressure has been filled, the valve is sealed pressure-tight with the valve cap.

Product features

Tight against gas diffusion, dust, water (5 m water column) and chemical mixtures

- **The high-quality, robust aluminium laminate ...**

- adapts flexibly to the sealing area, independently of cable diameter and configuration or contamination by dirt
- ensures a long service life
- is resistant to chemical mixtures pH2 to pH12, fuels etc.

- **Coated with swelling material product group WO 22.2 QV-DBK ...**

- ensures tightness up to 0.5 bar/ 5 m water column immediately on contact with water
- ensures tightness against gas diffusion (volatile halogenated hydrocarbons in soil air < 100 mbar)
- allows quick, easy removal (< 2 min). No adhesion! Makes damage-free removal possible

- **The patented car tyre valve construction ...**

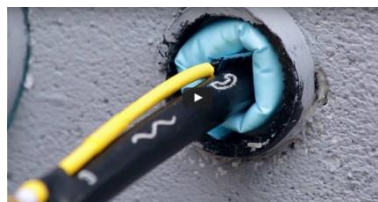
- Is simply inflated with compressed air (CO2-free!)
- makes on-site overpressure inflation technology simple
- allows flexible adaptation of the inflated cushion to fit the surrounding space and prevents buckling of cables and ducts or changes in technical transmission properties
- facilitates quick removal of air after cable retrofitting, by using accessory vacuum pump 33 VMSP or by changing the valve insert
- facilitates damage-free removal and re-installation

Installation video

See for yourself how quick and easy it is to fit and remove the sealing elements:

<http://wolf-abdichttechnik.com/en/sealing-cushion/qade-sealing-cushion/>

Installation cable duct seal
Ø ≤ 60 mm



Installation/ removal cable protection duct seal
Ø ≥ 80 mm



Tools (reusable)

No. 1 Box with valve installation set

Art. No. 33 VMSP-2/25	Box with valve installation set
Art. No. 33 VDS2-30	1 item valve torque screwdriver 20-30 Ncm
Art. No. 33-31.5007	25 items valve inserts VG8
Art. No. 33-30.1509	25 items round valve caps VG8



No. 2 Pressure shut-off device

Art. No. 33 DB VG8-M8 incl. replacement seal.
Essential when inflating sealing elements types 40 to 60



No. 3 Battery-operated compressor

Art. No. 33 EAR-S, consisting of:
 1 x Art. No. 33 ASI500 (12 V) battery-operated compressor
 (rechargeable with 230V)
 1 x Art. No. 33 EMS-150 air chuck adapter
 (can be replaced by a shut-off device)
 1 x Art. No. 33 E-VAS-3000 pressure hose, length 3 m
 Alternative a heavy duty compressor could also be used.



No. 4 For use with an existing compressor. Digital tyre pressure gauge:

Art. No. 33 DTI08 tyre pressure gauge 0-12 bar.
Illuminated digital display (switches off automatically after 50 sec), shock-resistant, G1/4 screw connection.



Accessories for multi-configurations: swelling separators for 1-4 cables

For a high concentration of cables

The duct contains a lot of thin cables

Swelling cable separator type ... 2.0 x ..
Weight of the swelling material 200 g/m²

Art. No. 22.5 QV-MADS	Size of separator compartment for cable Ø	
2.0 x 50 x 100	< 15 mm	< 0.6 in.
2.0 x 70 x 100	15 - 25 mm	0.6 - 1.0 in.

For a low concentration of cables

The duct contains a few thick cables

Swelling cable separator type ... 4.2 x ..
Weight of the swelling material 480 g/m²

Art. No. 22.5 QV-MADS	Size of separator compartment for cable Ø	
4.2 x 50 x 100	< 25 mm	< 1.0 in.
4.2 x 70 x 100	15 - 50 mm	0.6 - 2.0 in.

Product range 20.6 QADE/V-L

Article No.	Duct inner Ø [inch]	Ø of area to be sealed			Duct inner Ø [mm]	Optimum [mm]	Minimum [mm]
		Optimum [inch]	Minimum [inch]	Minimum [inch]			
20.6 QADE/V-L040*	1.6	0.87	0	40	22	0	
20.6 QADE/V-L045*	1.8	1.26	0	45	32	0	
20.6 QADE/V-L050*	2	1.3	0	50	33	0	
20.6 QADE/V-L060*	2.4	1.7	0	60	42	0	
20.6 QADE/V-L080	3	1.8	0	80	45	0	
20.6 QADE/V-L090	3.5	2.2	0	90	55	0	
20.6 QADE/V-L100	4	2.8	0	105	70	0	
20.6 QADE/V-L115	4.5	3.2	0	115	80	0	
20.6 QADE/V-L125	5	3.4	0.79	125	85	20	
20.6 QADE/V-L150	6	4.1	1.66	150	105	42	

- * Automatic fill-stop [33 DB VG8-M8] required
- 20.6 QADE/V-L rolled up 1 piece or 10 pieces

Special-conditions

Optionally available with framework contract for binding annual purchase quantities:

Art.-No. 20.5 QADE/V-L-xx 5.000 items / 10.000 items / 25.000 items etc.
(Packaging units: at least 300 items per type, laid flat)

Installation instructions

- MA 05 1.1 Safety instructions
- MA 05 2.1 Cable-/duct- sealing range and filling pressure for cushions (valve)
- MA 05 3.1 Installation accessories / cable sealing
- MA 05 5.2 Short instructions for installing the sealing element (valve) for telecom cables

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