

Tender Specifications AVK Surface box H-4057V HD-GG [80/32-100]

1. Range

4057V / height adjustable 330-430 mm / PA+

2. Product description

General

The surface box shall be for installation in tarmac roads to provide access to underground valves in water or gas lines.

Basic design

The surface box design shall correspond with AVK surface box H-4057V HD-GG series 80 type 32 variant 100 (STV 80/32-100) or equivalent.

Product shall be a heat resistant, synthetic, self-adjusting surface box with a cast iron GJL-250 lid attached to the housing by a stainless steel A2-70 bolt.

Housing shall consist of two parts made out of heat resistant PA+ material with a fixed bottom part and a floating type height adjustable top part.

Features

Surface box shall have a max. total weight of 4 Kg.

Housing shall be 100% corrosion-free.

Housing and lid shall be designed to ensure easy opening at all times

Surface box housing and lid shall have a heat resistance of at least 250 °C.

Surface box shall meet D400 load bearing capacity, tested by applying flat load on top surface.

Bottom part shall be equipped with vertical and horizontal ribs for optimal fixation in road.

Crossbar in lid shall be made out of AISI 304 material.

Surface box assembly shall have an EPDM O-ring for measuring correct height prior to actual installation (or back-filling).

Surface box shall have a height range of 330-430 mm.

Top part shall be able to be turned 360 degrees during installation for easy positioning of lid inscription.

Floating top part shall follow road settlement ensuring perfect alignment at all times.

3. Standards and approvals

Surface box design shall be according to DVGW DIN 3580 & DIN 4057.

Surface box shall be certified according to DVGW DIN 4057.

Surface box shall meet DVGW VP310-2 requirements.

4. Sustainability

Surface box shall have a carbon footprint of max. 7 Kg. Carbon footprint (CO₂ emission) shall be calculated by using Lifecycle Assessment method according to ISO 14040-44.

Housing to be made of 100% first grind recycled thermoplastic material.

Housing and lid to be 100% recyclable after end of life.

Surface box shall contain no heavy metals or any other contamination