**Tender Specifications AVK Surface box M-4057H MD-KU [80/32-614]**

**1. Range**

4057H / fixed height 250 mm / PA+

**2. Product description**

**General**

The surface box shall be for installation in roads, sidewalks or green zones to provide access to underground valves in water or gas lines.

**Basic design**

The surface box design shall correspond with AVK surface box M-4057H MD-KU series 80 type 32 variant 614 (STV 80/32-614) or equivalent.

Product shall be a heat resistant, synthetic surface box with a thermoplastic lid attached to the housing by a stainless steel A2-70 bolt with locking clip.

Housing shall consist of one part made out of heat resistant PA+ material.

Upper shape of housing shall be hexagonal.

**Features**

Surface box shall have a max. total weight of 2 Kg.

Housing and lid shall be 100% corrosion-free.

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

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

Surface box shall meet A75 load bearing capacity, tested by applying flat load on top surface.

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

Lid shall be made out of PP GF40 material.

Crossbar in lid shall be made out of A2 material.

**3. Standards and approvals**

Surface box design shall be derived from DVGW DIN 4057.

Surface box shall be tested according to DVGW VP310-2 requirements.

**4. Sustainability**

Surface box shall have a carbon footprint of max. 4 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.