**Tender Specifications AVK Surface box H-4055 MD-GG Air Valve [80/30-001]**

**1. Range**

4055 / fixed height 310 mm / PA+

**2. Product description**

**General**

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

**Basic design**

The surface box design shall correspond with AVK surface box H-4055 MD-GG series 80 type 30 variant 001 (STV 80/30-001) or equivalent.

Product shall be a heat resistant, synthetic surface box with a cast iron GJL-200 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.

**Features**

Surface box shall have a max. total weight of 12 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 C250 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.

**3. Standards and approvals**

Surface box design shall be derived from DVGW DIN 4055.

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

**4. Sustainability**

Surface box shall have a carbon footprint of max. 20 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.