GKN Sinter Metals Filters, the leading manufacturer of porous sinter metal products, offers a variety of solutions to fulfill customer requirements. We are familiar with various applications in almost every industrial branch. Our products are applied in gas- and liquid filtration, dampening, sparging, sensor protection, bulk handling and many more. We offer solutions for high temperature and corrosive environments. Sintered filter elements made of stainless steels, bronze, nickel based alloy, titanium and several special alloys can be manufactured seamless up to 1,500 mm length and 320 mm OD. Larger elements will be assembled in our certified inhouse welding shop.

Our most innovative product for the chemical industry is the patented metallic membrane SIKA-R...AS.

The filter cartridges equipped with this state-of-the-art technology offer a flow rate up to 4 times higher compared to conventional sinter metal filter cartridges. Furthermore an excellent back-flush performance is guaranteed. The filter active membrane layer with filter grades down to 0.1 μm absolute has a thickness of only 200 μm and is made of the same alloy as the coarse support material. The membrane is sinter bonded to the support and therefore cannot peel off.

Another innovation introduced by GKN is the sinter bonded joint of porous parts with solid fittings in order to avoid welding seams – the weak spot of all sintered cartridges of our competitors. All sintered materials of GKN offer a self-supporting structure with high mechanical strength. We manufacture various filter grades with specified pore sizes and flow rates in order to have the appropriate solution for your requirements.
**Questionnaire Liquid Filtration**

**Customer**

**Address**

**Contact person**

**Dept.**

**Phone**

**Fax**

**E-mail**

1. **Liquid**
   - Chemical Composition
   - Operating Temperature: min °C, max °C
   - Operating Pressure (bar, bar abs.)
   - Liquid Density (g/cm³, g/ft³)
   - Liquid viscosity (mPa*s)

2. **Solubates in the Fluid**
   - Chemical Composition
   - Solubates density (g/cm³, g/ft³)

3. **Operating Parameter**
   - Mode of operation: continuous, discontinuous
   - Solids recovery: yes, no
   - Cleaning procedure: automatic, manual
   - Maximum allowed Pressure Drop (mbar, psi)

4. **Filter Unit**
   - Material of Construction
   - Material of Connectors
   - Type of Filter: 
     - Prefilter
     - Pre/After filter
     - Pre/Filter

5. **Activities**
   - Offer: yes, no
   - Visit: yes, no

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**Questionnaire Gas Filtration**

**Customer**

**Address**

**Contact person**

**Dept.**

**Phone**

**Fax**

**E-mail**

1. **Gas (Chemical Composition)**
   - Operating Temperature: min °C, max °C
   - Dew Point °C, °F
   - Operating Pressure (bar, bar abs.)
   - Gas Volumetric Flow Rate (nominal) m³/h, CFH
   - Gas Volumetric Flow Rate (actual) m³/h, CFH
   - Gas Density (kg/m³, lb/ft³)
   - Gas viscosity (Pa·s)

2. **Solids in Gas**
   - Chemical Composition
   - Solids concentration (g/m³, lb/ft³)
   - Particle size distribution (μm)
   - Solids Density (g/cm³, lb/ft³)

3. **Operating Parameter**
   - Mode of operation: continuous, discontinuous
   - Solids recovery: yes, no
   - Cleaning procedure: automatic, manual
   - Maximum permissible contents of dust (g/m³, lb/ft³)
   - Back Pulse Gas Temperature (°C, °F)
   - Back Pulse Gas Pressure (bar, bar abs.)

4. **Filter Unit**
   - Material of Construction
   - Material of Connectors
   - Type of Filter: 
     - Prefilter
     - Pre/After filter

5. **Activities**
   - Offer: yes, no
   - Visit: yes, no

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**Unsere Standorte / Our Locations**

- Hauptzulieferer und Fertigung / Head Quarter and Manufacturing
- Lokale Vertriebspartner / Local Sales Partners

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**Porous Metal Products**