WITT gas filters for reliable protection against contamination and condensate.

**Benefits**
- ultra fine filtering out of mechanical impurities through nickel chromium steel filter inserts
- broad range of uses – compatible with many technical gases
- change of filter possible while installed due to user-friendly design
- high flowrate thanks to flow maximising design
- condensate can be collected and removed using condensate drain (models 77 and 625)
- easy to install thanks to large choice of connections
- reliable filtering performance increases service life of downstream fittings and equipment

**Operation / Usage**
- Gas filter models 77 and 625 are designed for installation in pipelines. Model 622 is used at outlet points
- the gas purifiers with condensate drain must be installed vertically

**Maintenance**
- the condensate should be drained at regular intervals
- the filter inserts must be checked regularly and replaced if necessary

**Approvals**
- Company certified according to ISO 9001 and PED 2014/68/EU Module H
- CE-marked according to:
  - PED 2014/68/EU
- Cleaned for Oxygen Service according to:
  - EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. working pressure [bar]</th>
<th>Material</th>
<th>Filtering fineness</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>622 A</td>
<td>Acetylene (A) 1.5</td>
<td>Brass Elastomer</td>
<td>40 µm</td>
<td>0.40</td>
</tr>
<tr>
<td>622 C</td>
<td>Natural gas (M) 16.0</td>
<td>Brass Elastomer</td>
<td>40 µm</td>
<td>0.40</td>
</tr>
<tr>
<td>622 D</td>
<td>Hydrogen (H) 16.0</td>
<td>Brass Elastomer</td>
<td>40 µm</td>
<td>0.40</td>
</tr>
<tr>
<td>625</td>
<td>Steel</td>
<td>Elastomer</td>
<td>40 µm</td>
<td>12.20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Replacement filter inserts of nickel chromium steel</th>
<th>Material</th>
<th>Filtering fineness</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>77 (bronze)</td>
<td>Brass Elastomer</td>
<td>5 µm</td>
<td>3.03</td>
</tr>
<tr>
<td></td>
<td>Brass Elastomer</td>
<td>50 µm</td>
<td>3.03</td>
</tr>
</tbody>
</table>

### Model Dimensions

- **622**: Ø 36 mm (1.42 inches) x 71 mm (2.80 inches)
- **77**: Ø 72 mm (2.83 inches) x 206 mm (8.07 inches)
- **625**: Ø 190 mm (7.48 inches) x 385 mm (15.16 inches)

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**Conversion factors:**

- **Acetylene**: x 1.04
- **Butane**: x 0.68
- **Natural Gas**: x 1.25
- **Methane**: x 1.33
- **Propane**: x 0.80
- **Oxygen**: x 0.95
- **Town gas**: x 1.54
- **Hydrogen**: x 3.75

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**Flow diagram for air (20 °C / 68 °F)**

- **Inlet pressure**: $P_v$ [bar]
- **Standard volume flow**: [Nm$^3$/h] (1013 mbar / 14.7 psi, 0 °C / 32 °F)