Gauge Hatch
with welded nozzle

PROTEGO® PS/K, PS/TK

Function and Description
PROTEGO® gauge hatches types PS/K and PS/TK are used as lockable gauge nozzles which are only opened for gauging or sampling.

The gauge hatches PROTEGO® PS/K and PS/TK mainly consist of housing, cover and bracket. As a standard the housing has stainless steel gauge marks.

In the pedal-operated version PROTEGO® PS/TK the gauging nozzle pedal is connected to both the housing and the bracket.

Design Types and Specifications
Depending on the intended use the following designs are available:

- Gauge hatch with welding nozzle
  - PS/K design I and II
    - „I“ : remaining open
    - „II“ : automatic cover closing
- Gauge hatch with welding nozzle and pedal
- PS/TK automatic cover closing
- Gauge hatches with flange are available as type PROTEGO® PF/K, PF/TK and PS/KF. A separate data sheet is available.

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Table 1: Dimensions

<table>
<thead>
<tr>
<th>DN</th>
<th>100 / 4&quot;</th>
<th>150 / 6&quot;</th>
<th>200 / 8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>175 / 6.89</td>
<td>225 / 8.86</td>
<td>250 / 9.84</td>
</tr>
<tr>
<td>b</td>
<td>265 / 10.43</td>
<td>320 / 12.60</td>
<td>355 / 13.98</td>
</tr>
<tr>
<td>c</td>
<td>160 / 6.30</td>
<td>205 / 8.07</td>
<td>235 / 9.25</td>
</tr>
<tr>
<td>c1</td>
<td>260 / 10.24</td>
<td>305 / 12.01</td>
<td>335 / 13.19</td>
</tr>
<tr>
<td>d</td>
<td>275 / 10.83</td>
<td>350 / 13.78</td>
<td>450 / 17.72</td>
</tr>
</tbody>
</table>

The nominal size depends on the dimensions of the gauging and sampling device.

Table 2: Material selection

<table>
<thead>
<tr>
<th>Design</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>Steel</td>
<td>Stainless Steel*</td>
</tr>
<tr>
<td>Cover</td>
<td>Ductile Iron</td>
<td>Stainless Steel*</td>
</tr>
</tbody>
</table>

* only for PS/K

Flange Connection Type

The flange connection is to EN 1092-1, Form A. Optionally, the connecting flange can be made according to any international standard.

Necessary Data for Specification

Stored product
Tank material
Tank nozzle DN (mm or inches)

Application Examples

Gauge Hatches can for instance be used in combination with the manual gauge devices type PROTEGO® H/P or with the gauging and sampling device PROTEGO® VP/HK.