High Pressure Housing
For Temposonics position sensors
Precision Position Measurement
High Pressure Housing

This High Pressure Housing is ATEX EEx approved or UL and cUL approved for use in hazardous locations with Temposonics position sensors.

The ATEX, UL and cUL approvals cover flammable gases, vapors and liquids. The ATEX also covers dust.

This housing is made to fit Temposonics G-series and L-series analog + start/stop sensors, R-series sensors with analog and digital outputs as well as the S-series ServoSensor™. Both integral cable and connector versions can be used. When using a standard sensor in this housing you get a cost efficient solution for use in hazardous locations which also allows easy sensor replacement.

Several design combinations are available to fit your application:
M18 or 3/4"UNF Mounting flange thread - M20 or 1/2"NPT
Cable gland thread - long or short top - top-mounted, side-mounted, or dual side-mounted cable glands. See Combination Chart

All parts are made of 316L Stainless steel.
The housing is also available in non-approved versions ensuring an outstanding protection to the sensor when used in rugged applications with high humidity and aggressive gases.

Technical Data:

Protection type:
ATEX: 0539 Ex I 2 GD
EEx d IIIC T5 (100°C)
Demko 07 ATEX 142619
In accordance with EN 60079-0, EN 60079-1,
EN 50284-1-1
Class 1, Division 1, Groups A, B, C, and D hazardous locations, temperature code T5
As to fire, electrical shock and explosion hazards only
UL certificate no. 2PD0
In accordance with UL 1203 standard
Only with ATEX or UL approved cable glands

Material: Stainless Steel AISI 316L (1.4404)

Cable Gland Threads: M20 x 1,5 or 1/2" NPT

Ingress protection code: IP68 (only with IP68 approved cable gland)

Approved sensors: G-series analog + start/stop sensors
L-series analog + start/stop sensors
R-series analog
R-series Profibus
R-series CANBUS
R-series SSI
R-series DeviceNet
S-series ServoSensor™

Mounting Flange: M18 x 1,5 or 3/4"-16UNF-3A

Pressure rating: 350 Bar continuous
Peak Pressure: 530 Bar
Magnet type: GF plastic with permanent magnet
Level Measurement: Float on request

See page 4 for detailed drawings
Ordering information:

Type number code:

Choose a design combination from the chart below.

Measuring length (see drawing on opposite side)

Approved or Non-approved version:

Example: Approved short housing with M18 mounting threads and one side mounted cable gland with M20 threads and a measuring length of 650 mm:

HPH-0900-0650-A

Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Item No.</th>
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<tbody>
<tr>
<td>M20 x 1.5 Cable gland, ATEX 3-15 mm cable diameter, nickel plated brass</td>
<td>CG-912004</td>
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<tr>
<td>M20 x 1.5 Cable gland, ATEX 4-8.5 mm cable diameter, stainless steel</td>
<td>CG-816679</td>
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<td>M20 x 1.5 Cable gland, ATEX 8.5-16 mm cable diameter, stainless steel</td>
<td>CG-816609</td>
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<tr>
<td>316 L Steel nut for flange</td>
<td>M18 x 1.5</td>
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<tr>
<td>Spanner tool</td>
<td>DIN 1018A AMF 80-90 mm</td>
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<tr>
<td>6 PIN DIN connector, Straight</td>
<td>HPH 6 DIN</td>
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<tr>
<td>6 PIN DIN connector, Straight w. 10 m cable</td>
<td>HPH6DIN/10MKFPR25</td>
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<tr>
<td>HPH Rotation Adaptor for M18, M30x1.5</td>
<td>RTA-M18</td>
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<tr>
<td>HPH Rotation Adaptor for 3/4&quot;UNF, 1 1/4&quot;UNF</td>
<td>RTA-3/4&quot;UNF</td>
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Combination chart:

<table>
<thead>
<tr>
<th>Bottom</th>
<th>Top</th>
<th>Approval</th>
<th>ATEX</th>
<th>UL and cUL</th>
<th>ATEX</th>
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<tbody>
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ATEX approved models are manufactured in Denmark
UL and cUL approved models are assembled in USA
**Top mounted cable gland**

- Ø 85 mm
- Ø 64 mm
- 86 mm
- Short top 158 mm
- Long top 198 mm
- M18 or 3/4” UNF

**Side mounted cable gland**

- Ø 85 mm
- Ø 64 mm
- 86 mm
- Short top 147 mm
- Long top 187 mm
- M20 or 1/2” NPT

**HPH Rotation Adaptor**

This adaptor allows you to adjust the position of the side opening when the HPH Housing is mounted in a cylinder.

RTA-3/4”UNF-2 is for use with the 3/4”UNF housing thread and has a 1 1/16” - #12 SAE Boss O-Ring mounting thread.