Compact Capsule Sensing Pr. Gauges

MODEL : CCPG (Normal Case)
SFCCPG (Solid Front Case)

Features

- Low range with high accuracy
- All SS internals
- Accuracy ±1% FSD
- Compact design avoids use of bulky manometers
- Ingress protection class IP-68
- These Pressure Gauges are well suited for low pressure measurement.
- The sensing Element Capsule, is made of 2 Stainless Steel Laser-welded Diaphragms.

Specifications

<table>
<thead>
<tr>
<th>Ref. standard</th>
<th>EN 837</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial</td>
<td>100 mm /150 mm, Aluminium, white background, black markings</td>
</tr>
<tr>
<td>Case</td>
<td>SS304 / SS316 with bayonet bezel</td>
</tr>
<tr>
<td>Protection</td>
<td>IP-68 (IS:13947 part 1 / IEC:60529)</td>
</tr>
<tr>
<td>Window</td>
<td>Safety glass (Shatter proof / Toughened glass)</td>
</tr>
<tr>
<td>Pointer</td>
<td>Light weight, balanced, aluminium</td>
</tr>
<tr>
<td>Capsule</td>
<td>SS316 / SS316L (made of two diaphragms laser-welded )</td>
</tr>
<tr>
<td>Socket</td>
<td>SS316 / SS316L</td>
</tr>
<tr>
<td>Movement</td>
<td>SS304 / SS316</td>
</tr>
<tr>
<td>Connection</td>
<td>1/2&quot; NPT (M) as standard (other optional )</td>
</tr>
<tr>
<td>Range</td>
<td>Refer table</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±1% FSD</td>
</tr>
<tr>
<td>Over range</td>
<td>110% FSD Standard, Other on request</td>
</tr>
<tr>
<td>Zero reset</td>
<td>Provided</td>
</tr>
<tr>
<td>Blow out disc</td>
<td>Provided (on top)</td>
</tr>
<tr>
<td>Temperature suitability</td>
<td>Ambient (-) 20°C to 60°C, Media 100°C</td>
</tr>
<tr>
<td>Temperature Effect</td>
<td>Within ±0.6% FSD/10°C, when temperature changes from reference temperature of 20°C (as per EN-837 standard)</td>
</tr>
<tr>
<td>Optional</td>
<td>NACE Compliance</td>
</tr>
<tr>
<td></td>
<td>CE</td>
</tr>
<tr>
<td></td>
<td>Atex</td>
</tr>
</tbody>
</table>

Ranges

<table>
<thead>
<tr>
<th>Range in mm WC</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-60</td>
</tr>
<tr>
<td>0-100</td>
</tr>
<tr>
<td>0-160</td>
</tr>
<tr>
<td>0-250</td>
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<tr>
<td>0-400</td>
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<tr>
<td>0-500</td>
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<tr>
<td>0-600</td>
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<tr>
<td>0-750</td>
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<td>0-1000</td>
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<tr>
<td>0-1600</td>
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<tr>
<td>0-2000</td>
</tr>
<tr>
<td>0-2500</td>
</tr>
<tr>
<td>0-4000</td>
</tr>
<tr>
<td>0-6000</td>
</tr>
</tbody>
</table>

Special combination for compound ranges available, within the above span

The parameters mentioned here are the standard specifications/ values generally used for most of the process applications. Any other specification not appearing here also can be provided as per customer requirement. For higher temperature services above 100°C, we recommend to provide suitable cooling arrangement (Syphon, Cooling Tower, Impulse Tubing etc.)

Under Technical Collaboration with M/s. Gauges Bourdon, France

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### Ordering Information

#### MODEL

**BASIC MODEL CODE**
- CCPG: Normal Case
- SFCCPG: Solid Front Case

**MOUNTING**
- V: Bottom Entry, Local Mounting
- S: Bottom Entry, Surface Mounting
- Y: Bottom Entry, 2" Pipe Mounting
- C: Back Entry, Local Mounting
- P: Back Entry, Flush Panel Mounting

**DIAL SIZE**
- 100 mm
- 150 mm

**CASE**
- S4S: SS 304
- S6S: SS 316

**CAPSULE**
- S6S: SS 316
- S6L: SS 316L

**SOCKET**
- S6S: SS 316
- S6L: SS 316L

**MOVEMENT**
- S4S: SS 304
- S6S: SS 316

**OPTION**
- ATX: ATEX
- BOB: Blow out disc at back
- BSN: Built In Snubber
- CLB: Colour Band
- CEM: CE marking
- DUS: Dual Scale
- EXZ: External Knob for Zero Adjustment
- NAC: NACE
- OXY: O2 Cleaning
- VCP: Vac protection
- L: Nil
- ACC: Accessory
- XXX: Other

**UNIT**
- KSC: kg/cm² (g)
- BAR: bar (g)
- PSI: psi (g)
- KPA: kPa (g)
- MPA: MPa (g)
- MBR: mbar (g)
- MMW: mm WC (g)
- CMW: cm WC (g)
- MWC: m WC (g)
- INW: inch WC (g)
- MMH: mm Hg (g)
- CMH: cm Hg (g)
- INH: inch Hg (g)
- XXX: Other (Please specify)

**SAMPLE MODEL CODE**
- Sample Model Code: CCPG-V-150-S4S-S6S-S6S-S4S-T15NTM-(0-1000)-MMW-L

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For 1/2"NPT(M), Code: T15NTM
For M20x1.5 (F), Code: TM20CF

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### Features
- Compliance to latest EN-837 standard
- Range: As show in the table
- All SS internals
- Special design with built in Gauges saver also available

### Specifications

<table>
<thead>
<tr>
<th>Ref. Standard</th>
<th>Dial</th>
<th>Case</th>
<th>Protection</th>
<th>Window</th>
<th>Movement</th>
<th>Capsule</th>
<th>Pressure Chamber</th>
<th>Connection</th>
<th>Range</th>
<th>Accuracy</th>
<th>Over range</th>
<th>Zero adjustment</th>
<th>Blow out disc</th>
<th>Temperature suitability</th>
<th>Temperature Effect</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN-837</td>
<td>100 mm / 150 mm in Aluminium, white background, black markings</td>
<td>SS304 / SS316 with bayonet bezel</td>
<td>IP-68 (IP:13947 part l / IEC:60529)</td>
<td>Safety glass (Shatter proof / Toughened glass)</td>
<td>SS304</td>
<td>SS316 / SS316L</td>
<td>½&quot; NPT (M) as standard (other on request)</td>
<td>Refer table</td>
<td>± 1.6% FSD</td>
<td>As per EN 837</td>
<td>Micrometer pointer</td>
<td>Provided</td>
<td>Ambient (-) 20°C to 60°C, Media 100°C</td>
<td>Within ±0.6% FSD/10°C, when temperature changes from reference temperature of 20°C (as per EN-837 standard)</td>
<td>Solid Front Case, Special Construction to withstand high design pressure (Built in Gauge Saver), Built in Snubber, External Knob for zero setting, NACE compliance, CE, Atex</td>
<td></td>
</tr>
</tbody>
</table>

### Ranges

<table>
<thead>
<tr>
<th></th>
<th>0-250 mm WC</th>
<th>(-)250 to 0 mm WC</th>
<th>0-400 mm WC</th>
<th>(-)400 to 0 mm WC</th>
<th>0-600 mm WC</th>
<th>(-)600 to 0 mm WC</th>
<th>0-1000 mm WC</th>
<th>(-)1000 to 0 mm WC</th>
<th>0-1600 mm WC</th>
<th>(-)1600 to 0 mm WC</th>
<th>0-2500 mm WC</th>
<th>(-)2500 to 0 mm WC</th>
<th>0-4000 mm WC</th>
<th>(-)4000 to 0 mm WC</th>
<th>0-6000 mm WC</th>
<th>(-)6000 to 0 mm WC</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>0-250 mm WC</td>
<td>(-)250 to 0 mm WC</td>
<td>0-400 mm WC</td>
<td>(-)400 to 0 mm WC</td>
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<td>(-)2500 to 0 mm WC</td>
<td>0-4000 mm WC</td>
<td>(-)4000 to 0 mm WC</td>
<td>0-6000 mm WC</td>
<td>(-)6000 to 0 mm WC</td>
</tr>
</tbody>
</table>

Special combination for compound ranges available, within the above span

The parameters mentioned here are the standard specifications/values generally used for most of the process applications. Any other specification not appearing here also can be provided as per customer requirement. For higher temperature services above 100°C, we recommend to provide suitable cooling arrangement (Syphon, Cooling Tower, Impulse Tubing etc.)

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Ordering Information

MODEL

**BASIC MODEL CODE**
- HC PG Normal Case
- SFHC PG Solid Front Case

**MOUNTING**
- V Bottom Entry, Local Mounting
- S Bottom Entry, Surface Mounting
- Y Bottom Entry, 2" Pipe Mounting

**DIAL SIZE**
100 100 mm
150 150 mm

**CASE**
- S4S SS 304
- S8S SS 316

**DIAPHRAGM**
- S6S SS 316
- S6L SS 316L

**PRESSURE CHAMBER**
- S6S SS 316
- S6L SS 316L

**MOVEMENT**
- S4S SS 304
- S8S SS 316

**OPTION**
- ATX Atex
- BGS Built In Gauge Saver
- BOB Blow out disc at back
- BSN Built In Snubber
- CLB Colour Band
- CEM CE marking
- DUS Dual Scale
- EXZ External Knob for Zero Adjustment
- NAC NACE
- OXY O2 Cleaning
- VCP Vac protection
- L Nil
- ACC Accessory
- XXX Other

**UNIT**
- KSC kg/cm2 (g)
- BAR bar (g)
- PSI psi (g)
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- INW inch WC (g)
- MMH mm Hg (g)
- CMH cm Hg (g)
- INH inch Hg (g)
- XXX Other (Please specify)

**RANGE**
Please Select from Table

**CONNECTION**

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<tr>
<th>Conn</th>
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<td>NT</td>
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Sample Model Code: HCPG-V-150-S4S-S6L-S6L-S4S-T15NTM-(0-400)-MBR-BGS

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