

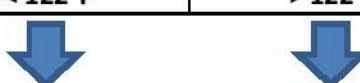







**SAFE AREA APPLICATION**

<b>FLUE GAS CONDITIONS AFTER COMBUSTION</b>													
<p><b>With sticky, gluing type of dust (cement kiln, heavy oil high soot combustion)</b></p> <div style="text-align: center; margin: 10px 0;">  </div> <p style="text-align: center; background-color: #FF0000; color: white; padding: 2px;"><b>NOT POSSIBLE</b></p>	<p style="text-align: center;"><b>Clean combustion natural gas</b></p> <p style="text-align: center;">Hollow probe with flow guidance</p> <hr/> <p style="text-align: center;">Gas temperature</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;"><b>&lt; 1200°F</b> Inconel</td> <td style="width: 50%; text-align: center; padding: 5px;"><b>&lt; 1800°F</b> Inconel</td> </tr> </table> <div style="text-align: center; margin: 10px 0;">  </div> <p style="text-align: center;">DN65 PN6 OPTIONAL 4" ANSI 150lbs adapter flange</p> <hr/> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;">site with low radiated heat ambient temperature &lt; 122°F</td> <td style="width: 50%; text-align: center; padding: 5px;">site with high radiated heat ambient temperature &gt; 122°F</td> </tr> </table> <div style="text-align: center; margin: 10px 0;">  </div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;"><b>OMS 420</b></td> <td style="width: 50%; text-align: center; padding: 5px;"><b>OMS 420-RT</b></td> </tr> </table>	<b>&lt; 1200°F</b> Inconel	<b>&lt; 1800°F</b> Inconel	site with low radiated heat ambient temperature < 122°F	site with high radiated heat ambient temperature > 122°F	<b>OMS 420</b>	<b>OMS 420-RT</b>	<p style="text-align: center;"><b>Dusty combustions flying ash type of dust</b></p> <p style="text-align: center;">Hollow probe with flow guidance</p> <hr/> <p style="text-align: center;">Gas temperature</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%; text-align: center; padding: 5px;"><b>&lt; 1800°F</b> Inconel</td> </tr> </table> <div style="text-align: center; margin: 10px 0;">  </div> <p style="text-align: center;">DN65 PN6 OPTIONAL 4" ANSI 150lbs adapter flange</p> <hr/> <p style="text-align: center;">With <b>BACK PURGE</b> clean, oil and water free compressed air needed 6 to 8 bar (87 to 116 psi)</p> <div style="text-align: center; margin: 10px 0;">  </div> <p style="text-align: center; padding: 5px;"><b>OMS 420-RT</b></p>	<b>&lt; 1800°F</b> Inconel	<p style="text-align: center;"><b>Dusty combustions flying ash type of dust</b></p> <p style="text-align: center;">With sample aspiration using an ejector clean, oil and water free compressed air needed 6 to 8 bar (87 to 116 psi)</p> <hr/> <p style="text-align: center;">Gas temperature</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center; padding: 5px;"><b>&lt; 2000°F</b> Inconel</td> <td style="width: 33%; text-align: center; padding: 5px;"><b>&lt; 2300°F</b> Kanthal</td> <td style="width: 33%; text-align: center; padding: 5px;"><b>&lt; 3000°F</b> Ceramic</td> </tr> </table> <div style="text-align: center; margin: 10px 0;">  </div> <p style="text-align: center;">4" ANSI 150lbs</p> <div style="text-align: center; margin: 10px 0;">  </div> <p style="text-align: center;">With <b>BACK PURGE</b> clean, oil and water free compressed air needed 6 to 8 bar (87 to 116 psi)</p> <div style="text-align: center; margin: 10px 0;">  </div> <p style="text-align: center; padding: 5px;"><b>OMS 420-HT</b></p>	<b>&lt; 2000°F</b> Inconel	<b>&lt; 2300°F</b> Kanthal	<b>&lt; 3000°F</b> Ceramic
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**OMS 420**



**OMS 420-RT**  
**OMS 420-RT back purge**  
**Optional with AUTO-CAL**



**OMS 420-HT**  
**Optional with AUTO-CAL**



**OMS 420 Ex**

**OMS 420 Ex**

hazardous area designation of use: Zone 2 or Class 1, Div. 2, Gr C/D  
special IP65 pressurized cabinet and z-purge controller, complying to Ex II 3G Ex pz II T3 Gc