LVDT/HC PILOT BURNER
External raw gas pilot burner

- Stable pilot flame in combination with MAXON AIRFLO® “LV”, “HC”, DELTA-TE™ and COMBUSTIFUME® burners
- Rugged design
- Burns natural gas, propane and LPG
- Suitable for all kinds of process air heating applications; thermal incinerators, supplementary firing burners etc…
- Complete stainless steel construction
- Plug & play design
- Optimal access for maintenance
- Factory-adjusted, no field refinements required
- Available in different tube lengths up to 13.12 ft
**Product description**

The LVDT/HC-pilot burner is a nozzle mix pilot, designed to be mounted on AIRFLO® “LV”, “HC”, DELTA-TE™ and COMBUSTIFUME® burners.

The plug & play design provides extremely easy mounting and maintenance. All components including the spark ignitor, can be reached and/or replaced from outside the process air duct. The flame scanner can be isolated from the process by means of a stainless steel ball valve.

Once installed on the burner mounting flange, the 2” pilot tube of the LVDT/HC pilot penetrates through the process air stream into the burner endplate. Its complete stainless steel construction makes the LVDT/HC-pilot burner suitable for processes with high temperatures, humidity and/or pollutions.

Using fixed orifices, the LVDT/HC-pilot burner does not require adjusting of air and gas flows, reducing set-up times drastically.

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1) Flame scanner connection  
2) Isolating ball valve  
3) Mounting flange  
4) Main burner mounting plug (included in main burner)  
5) 2” pilot tube  
6) Process air flow

2 LVDT/HC-pilot burners mounted on a burner mounting plug, firing into a MAXON AIRFLO® “HC” line burner (burner mounting plugs standard available from MAXON on AIRFLO® “HC” and DELTA-TE™ burners).
Available LVDT/HC-pilot burner sizes

Dimensions in inches unless stated otherwise

<table>
<thead>
<tr>
<th>X</th>
<th>standard pilot tube lengths</th>
<th>17.7 - 23.6 - 29.5 - 35.4 - or customized</th>
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<tr>
<td>F</td>
<td>flame lengths</td>
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Pilot type designation: A-B-C-D-X-E

A | LVDT | Low gas pressure inlet (12” wc) |
   | HC   | High gas pressure inlet (802” wc - 1605” wc) |
B | blank | Standard version for tube lengths X max. 59 in. |
   | BSTD | Boosted version for tube lengths X between 59 in. - 157.4 in. |
C | blank | ISO connections - European market (UV scanner can detect spark) |
   | US   | NPT connections - US-market (UV scanner can not detect spark) |
D | blank | For use in safe areas |
   | EEx  | ATEX category 2G zone 1 & 2 |
X | Pilot tube length L |
E | SM   | For use with HC-S or HC-M type burners |
   | L    | For use with HC-L type burners |
   | blank | For use with DELTA-TE™, AIRFLO® “LV” and COMBUSTIFUME® |

Pilot burner / main burner compatibility

HC-X-L type pilot burners can only be used on AIRFLO® “HC” type L burners.

All other pilot burners are compatible with AIRFLO® “HC” type S and M, DELTA-TE™, AIRFLO® “LV” and COMBUSTIFUME® burners.

Read “Specifications of LVDT/HC-pilot burner” for more detailed information on LVDT/HC pilot burners.