

# 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

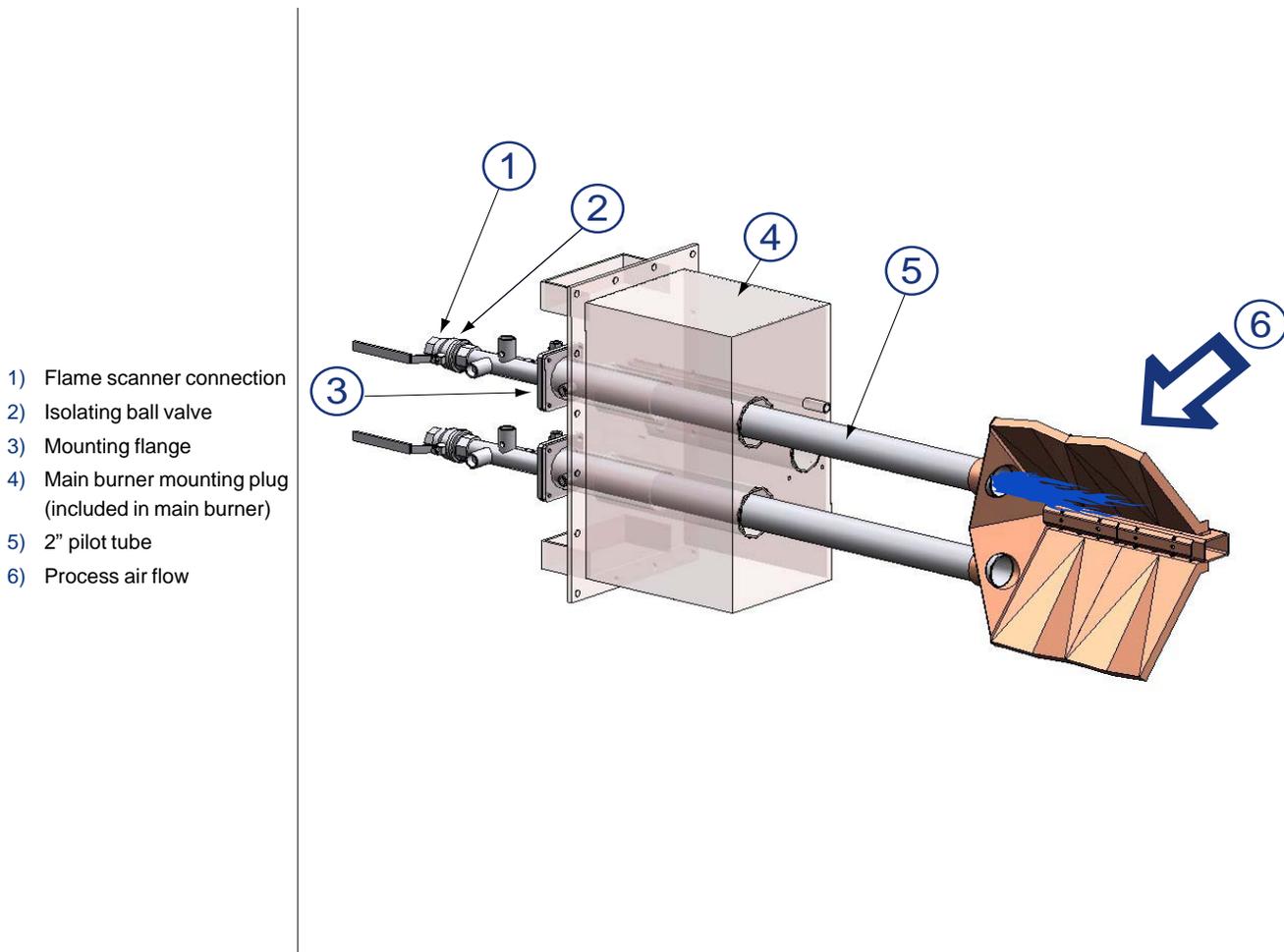
## Product description

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.

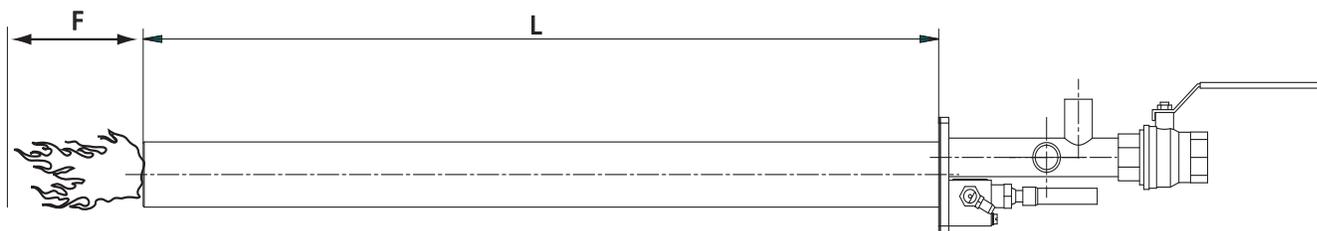
Once installed on the burner mounting flange, the 2” pilot tube of the LVDT/HC pilot penetrates through the process air stream into the burner endplate. Its complete stainless steel construction makes the LVDT/HC-pilot burner suitable for processes with high temperatures, humidity and/or pollutions.

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



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 |                             |   |
|--|-----------------------------|---|
| X  | standard pilot tube lengths | 17.7 - 23.6 - 29.5 - 35.4 - or customized |
| F  | flame lengths               | 4 8                                       |

| 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.*