



## Smitsvonk - Ignition Systems, Gas Ignition Burners and Pilot Burners for Flares



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Smitsvonk specialises in ignition systems for industrial applications including gas ignition burners, pilot burners for flares, ignitions units, spark plugs and ignition lances.

### IGNITION SYSTEMS BASED ON CAPACITOR DISCHARGE

The ignition systems made by Smitsvonk are based on capacitor discharge, a reliable principle that allows continuous operation under the worst possible conditions - year in year out. Moisture, dirt, water and oil do not affect the performance of the ignition system.

Smitsvonk ignition systems are used for a host of industrial combustion processes, ranging from small-scale applications such as the ignition of baking ovens to the ignition of burners in pulverised coal-fired power stations. However our main focus of attention is the petrochemical industry, on and off shore, for flares, burners and incineration systems.

### CUSTOMISED PILOT BURNER AND IGNITION SYSTEMS

You will often find Smitsvonk ignition systems in equipment manufactured by others. Smitsvonk offers customised products and, therefore, can respond very flexibly to customer needs, for example where high temperatures hamper traditional ignition or where sustained trouble free operation is a prerequisite.

In manufacturing our products, we use standard components of our own design, which means that there are no problems in the subsequent delivery of the product. A lasting supply of spare parts is guaranteed, even for equipment installed decades ago.

Smitsvonk has its own design, manufacture and test facilities, in which all products are made and functionally tested.

We have supplied over 50 mobile units in well test application, over 1,000 pilots for production platforms in Middle East and North sea and over 5,000 electric pilots for on shore application are in operation.

**NEW!!** Electric lance with a continuous spark to ignite flares without pilot gas. Our range of products include:

### IGNITION BURNERS (GAS)

- Power range from 5 to 1,500kW
- Ignition burner tube diameters of 34-38-48-51-54-76-89mm

### PILOT BURNERS (FOR FLARES)

- Power range from 5 to 50 kW
- For all types of gasses and pressures
- Ignition, electrical, flame front and combination

### IGNITION UNITS

- Electronic and electrical



Ignition lance with high energy spark.



Pilot burners (gas electric).



Flare in operation.

- Explosion proof executions
- Flame front panels
- Mobile/portable

### SPARK PLUGS AND IGNITION LANCES

- For burner ignition, fixed and retractable
- For direct flare ignition
- For gas turbines and gas engines

### CONTROL SYSTEMS FOR AUTOMATIC IGNITION AND CONTROL BASED ON RELAYS OR PLC

We provide servicing and commissioning on all our products.

Smitsvonk is part of the Durag Group, a worldwide supplier and developer of measurement, control and combustion technology. A more comprehensive introduction to the Durag Group can be found on the Durag website (see link below).



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All kind of high energy sparkplugs.



Ignition unit.