

# Pneumatic retraction unit

**Pneumatic retraction unit for the insertion and retraction of ignition lances and ignition devices.**

## Features

- Automatic insertion and retraction of ignition lances
- Compressed air drive
- Direction change with solenoid valve
- Speed control
- Non-contact limit switch
- For use with ignition deviceses D-HG 400-50 and ignition lances D-ZL...
- Available stroke lengths: 300, 400, 500 and 600mm
- Pressure-tight and/or explosion protected models also available
- Operational overpressure up to 10 bar.

## Applications

- Chemical industry
- Refineries
- Cement plants
- Waste incinerators
- Steam generators
- Heating plants
- Claus plants.

## Certification

- GOST-R
- PTB (ATEX).



D-VE 500  
(with D-HG 400-50)

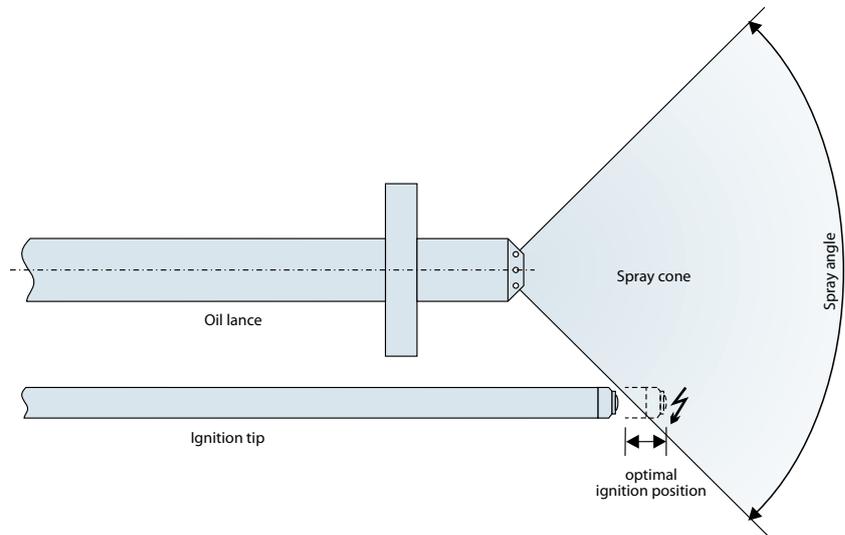
## Functional description

Correct positioning of the ignition tip near the fuel/air mixture is a pre-requisite for reliable ignition of a burner with a high-energy ignition device. But temperatures in the optimal ignition zone are usually much too high during burner operation, resulting in possible damage to the ignition tip.

The pneumatic retraction mechanism assumes the task of positioning the ignition tip precisely into the ignition zone of the burner and retracting it again after successful ignition.

## Accessories

- **Terminal box** for connecting solenoid valve and limit switch:
  - IP66 (normal environment)
  - IP65 (explosion protected model)
  - Ex-protected: II 2 G Ex e ia IIC T6
- **Weather protection hoods**
  - for 300mm stroke
  - for 400mm stroke
  - for 500mm stroke
  - for 600mm stroke.



Max perm. pressure of instrument air	10 bar	Electric control	24/48 VDC or 115/230 VAC
Max. ambient temperature	-5...+50°C	Protection	IP65
Sheer force at 6 bar	1870 N	Display	LED
Retraction force at 6 bar	1682 N	Ex- protection limit switch NAMUR (optional)	II 2 G Ex ia IIC T4...T6
Weight (approx.)	300 mm stroke:9.0 kg 400 mm stroke:11.0 kg 500 mm stroke:12.5 kg 600 mm stroke:14.0 kg	Ex-solenoid valve (optional)	II 2 GD Ex m II T5