

# Flexible lances

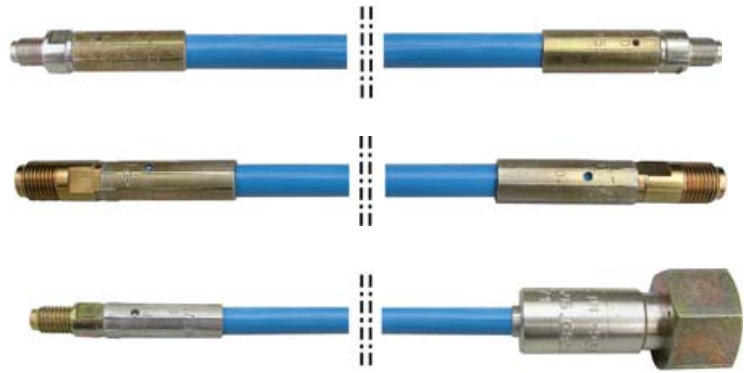
High pressure hoses to clean pipes with bends or where access to the pipe entry is limited and prevents the use of a rigid lance.

## For use with a blasting gun or foot valve

Op. pressure: 1000; 1200 bar  
Lengths: 6; 10; 15; 20 m  
i/d's: 4; 6 mm

## For use with a hose or foot valve

Op. pressure: 1000; 1200 bar  
Lengths: 6; 10; 15; 20 m  
i/d's: 4; 6 mm



With M 24x1,5 DKO union nut

## Heat exchanger tube internal cleaning nozzles

Various combinations possible dependant upon nozzle bore sizes.

### With push bores

- Cleans in front of the nozzle
- Only in combination with pull bores when using flexible lances



### With pull bores

- Cleans behind the nozzle
- Reaction force of the water jets effects the movement through the tube



### 90° radial bores

Maximum cleaning power direct to the tube wall



### Central axial bore

For cleaning fully blocked tubes

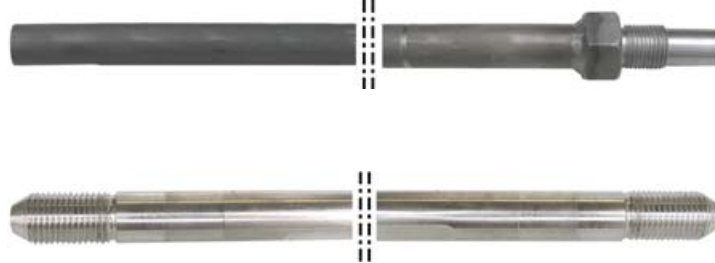


# Rigid lances

High and ultra high pressure lances as gun barrel extensions or for cleaning heat exchanger tubes

## For use with a blasting gun or foot valve

Op. pressure: 750; 3000 bar  
Lengths: 6; 10; 15; 20 m  
i/d's: 3,5; 5; 8; 10; 13; 16 mm



## Heat exchanger tube internal cleaning nozzles

Various combinations possible dependant upon nozzle bore sizes

### With push bores Cleans in front of the nozzle



### 90° radial bores Maximum cleaning power direct to the tube wall



### With pull bores

- Cleans behind the nozzle
- Reaction force of the water jets effects the movement through the tube



### Central axial bore For cleaning fully blocked tubes

