



# Scraping

## Definox scraper systems; modular and profitable solutions

On-line scraping is an **effective way to make savings**. It offers an **ecological solution** to the complex problem of waste management.

Scraping of most liquid or paste products is possible on DIN, SMS or US lines with curved piping to 1.5D minimum.

The wide range of system configurations available facilitates integration within the various process types.

## CHARACTERISTICS

- **Reduction of cleaning and processing costs**
- **Optimum recovery of process products without modification**
- **Operational flexibility (shorter downtime between two processes)**
- **Reduction in NEP time**
- **Reduced water consumption**
- **Ecological system (reduction of waste, reduction in use of detergents)**



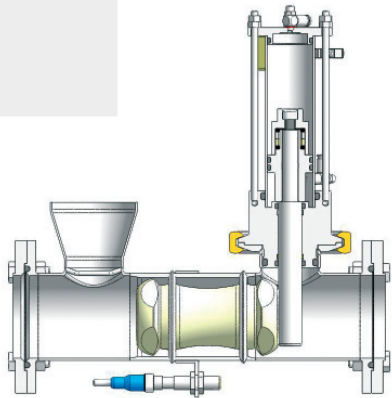
Arrival station

# Scraping

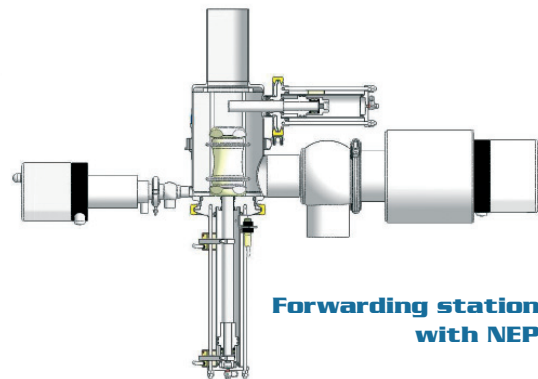
## SYSTEM FEATURES

- **Recommended scraping speed:**  
0.5 to 1.2 m/s
- **Scraper range:**  
10 to 600 m
- **Purging fluid:**  
air, water, CO<sup>2</sup>,  
Nitrogen, process flows
- **Pressure differential  
of purger displacement:**  
20 to 80 kPa (0.2 to 0.8 bar)
- **Operating pressure:**  
700 to 800 kPa (7 to 8 bar)

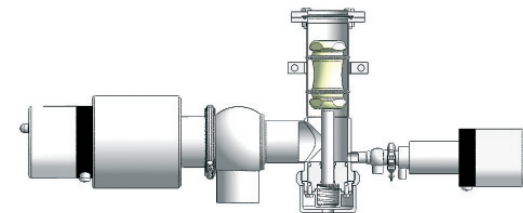
## Configuration examples



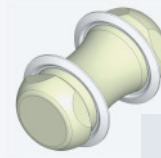
**Intermediate  
line stop station**



**Forwarding station  
with NEP**



**Arrival station  
without NEP**



**Scraper**

## Scraper features

- **Detachable polypropylene body,  
fitted with magnets for  
electro-magnetic detection**
- **Interchangeable seals:  
silicone or viton**
- **Seal shape  
optimizes recovery**
- **PFA scraper,  
for high temperatures**

## OPTIONS

- **Dual scraper station,  
increases the recovery  
possibilities**

## N.B.:

We recommend the use of 3D bends to allow for a regular movement of the scraper.

The output of a scraping operation is directly proportional to the geometrical quality of the production line.

Analysis of the process and of existing or future installations is essential prior to integration of any scraper system.