

**DERC**  
SALOTECH



**PRODUCT  
CATALOGUE**

# **Water Jetting Equipment**

**FOR INDUSTRIAL CLEANING & SURFACE PREPARATION**

## Table of Contents

|  |           |
|--|-----------|
| <b>Water Jetting Equipment for Industrial Cleaning &amp; Surface Preparation</b> | <b>4</b>  |
| <b>Combined Forces</b>   | <b>6</b>  |
| <b>Our Partners</b>  | <b>8</b>  |
| <b>Products</b>  | <b>10</b> |
| <b>Tube Bundle Cleaning</b>  | <b>12</b> |
| DERC Runner Nozzle   | 12        |
| <b>NEW</b> DERC Runner Nozzle UHP  | 16        |
| DERC Rotating Nozzle Spin-Jet  | 20        |
| DERC Nozzles   | 22        |
| DERC Shell Side Blaster SSB  | 24        |
| DERC Tube Bundle Rollers   | 26        |
| DERC Rotating Coupling Swivel RCS-200  | 28        |
| DERC Rigid Lance Cleaner RLC   | 30        |
| DERC Blast Container   | 34        |
| <b>Pipe Cleaning</b>   | <b>36</b> |
| DERC R-Tube  | 36        |
| DERC Rotating Pipe Cleaner RPC   | 40        |
| DERC Speed Regulated Line Cleaner SLC  | 42        |
| DERC Centralizers  | 46        |
| DERC Speed Regulated Pipe Cleaner SPC  | 48        |
| DERC Speed Regulated Pipe Cleaner SPC-UH   | 52        |
| DERC RotoCar Cleaning System   | 54        |
| <b>Swivels</b>   | <b>56</b> |
| DERC Rotary Coupling Swivel RCS UHS  | 56        |
| DERC Rotary Coupling Swivel RCS UHS Mini   | 58        |
| DERC Rotary Coupling Swivel RCS Mini   | 60        |
| DERC Rotary Coupling Swivel RCS-44   | 62        |
| DERC Rotary Coupling Swivel RCS-75   | 64        |
| <b>Tank Cleaning</b>   | <b>66</b> |
| DERC Mini Turret   | 66        |
| DERC Tank Positioning Tools  | 68        |
| Tank Cleaning Heads  | 70        |
| <b>Abrasive Cutting</b>  | <b>72</b> |
| DERC Abrasive Cutting System Flexa-Jet   | 72        |
| <b>NEW</b> DERC Chain Manipulator Flexa-Jet                                      | 76        |
| <b>Surface Cleaning</b>  | <b>78</b> |
| DERC MagTrack  | 78        |
| DERC Hydro-Jet Mower   | 82        |
| DERC Rotary Coupling Swivel RCS-500  | 84        |
| RD Masterjet   | 86        |
| Monro-Jet Nozzles  | 87        |

## Table of Contents

|   |            |
|---|------------|
| <b>Automated Solutions</b>                | <b>88</b>  |
| DERC Hydraulic Hose Reel                  | 88         |
| DERC Air PreHeater Cleaner APC            | 90         |
| DERC Scaffold Cleaner                     | 92         |
| <b>Hoses</b>                              | <b>94</b>  |
| DERC Hydroblast 4+ Hose                   | 94         |
| SPIR STAR Hoses                           | 96         |
| <b>Safety Products</b>                    | <b>98</b>  |
| DERC Hose Catchers                        | 98         |
| DERC Hose Safety Systems                  | 102        |
| DERC Warning Sign Water Jetting           | 104        |
| <b>Guns &amp; Foot Valves</b>             | <b>106</b> |
| <b>NEW</b> Guns & Foot Valves             | 106        |
| <b>Nozzles</b>                            | <b>114</b> |
| Nozzles                                   | 114        |
| Paper-Jet Nozzles                         | 124        |
| <b>Accessories</b>                        | <b>126</b> |
| DERC Adapters, Manifolds & Nozzle Holders | 126        |
| DERC Rupture Disc Holder                  | 134        |
| Rupture Disc                              | 135        |
| DERC Automated Solutions Rail ASR         | 136        |
| DERC Pre-Filter                           | 138        |
| DERC Lances                               | 140        |
| DERC Stingers                             | 141        |
| DERC Short 90° Elbows                     | 142        |
| Quick Connectors                          | 142        |
| DERC Long Radius Elbows                   | 143        |
| Connectors & Cables                       | 144        |
| Emergency Stops, Remotes & Reels          | 145        |
| <b>Sewer Cleaning</b>                     | <b>146</b> |
| Sewer Cleaning Nozzles                    | 146        |
| DERC Sewer Razor                          | 148        |

## Imprint

All rights reserved, reproduction in part or in whole is only permitted with the publisher's consent. Errors and omissions excepted. Illustrations and photos may differ. No liability for misprints is accepted.

**Publisher:**  
DERC Salotech  
Jan van der Heijdenstraat 44  
3261 LE Oud-Beijerland



### WATER JETTING TOOLS

Whatever your needs for industrial cleaning or surface preparation are, DERC Salotech offers the right high pressure water jetting tools for the job. Our products are considered to be industry leading in innovation, quality and durability.

We offer everything from hand-held waterjet guns to fully automated solutions for cleaning tubes, pipes, surfaces, (oil) storage tanks and sewers. Thoroughly tested and certified to ensure safe and effective operation.



## Water Jetting Equipment for Industrial Cleaning & Surface Preparation



**MADE BY  
DERC**

### DEDICATED SINCE 1985

DERC Salotech offers total solutions, systems and all necessary accessories for high pressure water jetting. With 39 years of dedication to the high pressure water jetting technology for industrial cleaning and surface preparation, we are a quality partner for professionals all over the world.

DERC Salotech services thousands of customers and organizations in more than 40 countries. As an original water jetting equipment manufacturer we continuously design, develop and produce new products and innovations that will make your job easier, safer and more effective.



### CUSTOM MADE SOLUTIONS

If it doesn't exist, DERC Salotech will invent it for you! Does your industrial cleaning objective requires a custom solution? Our engineers are committed to find the most suitable solution for your challenge. High pressure water jetting and innovation is part of our DNA.

Our engineers are ready to assist you, no matter how big or small the technical, process or safety challenges are. During the research, design and manufacturing we will focus on the most effective and (when appropriate) most innovative and safe cleaning solutions for your specific needs.





### DERC SALOTECH

DERC Salotech operates as our front office internationally and operates from two locations in the Netherlands (Oud-Beijerland) and Germany (Seevetal). Our unique Made by DERC products are manufactured at our headquarters in the Netherlands.

DERC Salotech is recognised worldwide as an innovative and leading partner in the high pressure water jetting industry. No matter what your request is in the field of high pressure water jetting and industrial cleaning: your needs and interests are our mission. Our skilled staff and experts are completely committed to this mission; wherever you are and whatever your challenge or budget is.



## Combined Forces

DERC Salotech and DERC Adviesgroep are both subsidiaries of DERC Waterjetting. Combining forces, there is strong focus on promoting the water jetting technology, how to use it safely and servicing our customers.



### DERC ADVIESGROEP

DERC Adviesgroep offers a complete range of SIR and WJA courses in water jetting and industrial cleaning.

For 20 years, our independent knowledge center in Stellendam, Netherlands, has prioritized safety. Our mission is to promote knowledge and enhance safety in the water jetting field.

Visit the DERC Adviesgroep website to explore our course offerings (scan QR code).



### TST SWEDEN

TST offers a complete assortment of personnel protection equipment of the highest standard for hydro demolition, water jetting and blasting at (ultra) high pressures. Their clothes are developed to offer the best possible comfort, while at the same time protecting operators from the impact of water jets up to 3000 bar.



SAVING LIVES



## Our Partners

Together with our trusted partners we offer a complete range of water jetting products, accessories and solutions



**SPIR STAR** AUTHORIZED  
DEALER & ASSEMBLY CENTER



### PEINEMANN

Peinemann offers state-of-the-art semi-automated bundle cleaning systems in order to clean heat exchangers in the safest and most effective way possible.



### SPIR STAR

The German leading specialist in the production of high-pressure hoses with a spiralized support made of high-tensile steel wires for use in a pressure range of 400 to 4000 bar.



# DERC Products

MADE BY  
DERC



# DERC Runner Nozzle

## DERC Runner Nozzle

Scan for more info



**FAST DELIVERY**



### PERFECT 360° CLEANING OF HEAT EXCHANGERS

The DERC Runner Nozzle is a rotating tube cleaning nozzle designed for cleaning heat exchanger tubes, with a maximum working pressure of 1500 bar/22K PSI.

**Four Sizes**

The Runner Nozzle comes in 4 available sizes: Ø 10 mm, Ø 13 mm, Ø 18 mm and Ø 24 mm.

**Three Types of Nozzle Heads**

The Runner Nozzle is available with standard, unplugging and polisher nozzle heads to remove hard plugs or scales.

**FEATURES**

- High efficiency jets, recessed drilled
- Uniquely shaped nozzle head for improved cleaning & unplugging
- Standard, polisher or unplugging nozzle head
- Patented design
- Hardened body
- Metric wrench flats
- Hardened inlet cover to improve mechanical wear and tear
- Various connections

**APPLICATION**

- Cleaning heat exchanger tubes
- Cleaning evaporator tubes
- Cleaning tubes and pipes

**RUNNER 10 - DIAMETER Ø 10 MM - LENGTH 60 MM**

| Connection              | Max. Pressure  | Part No.      |
|-------------------------|----------------|---------------|
| M7x1 - Female           | 1500 bar / 22K | RUN10-M7F-3   |
| 5/16" UNF - Male (65mm) | 1500 bar / 22K | RUN10-516M-3  |
| 1/16" NPT - Female      | 1000 bar / 15K | RUN10-116NF-3 |
| 1/4" UNF LH - Female    | 1500 bar / 22K | RUN10-M4LF-3  |
| 1/4" UNF RH - Female    | 1500 bar / 22K | RUN10-M4RF-3  |

**RUNNER 13 - DIAMETER Ø 13 MM - LENGTH 75 MM**

| Connection           | Max. Pressure  | Part No.     |
|----------------------|----------------|--------------|
| 1/8" BSP - Female    | 1500 bar / 22K | RUN13-18F-3  |
| 1/8" NPT - Female    | 1000 bar / 15K | RUN13-18NF-3 |
| 3/8" UNF LH - Female | 1500 bar / 22K | RUN13-M6LF-3 |
| 3/8" UNF RH - Female | 1500 bar / 22K | RUN13-M6RF-3 |

**RUNNER 18 - DIAMETER Ø 18 MM - LENGTH 101 MM**

| Connection            | Max. Pressure  | Part No.     |
|-----------------------|----------------|--------------|
| 1/4" BSP - Female     | 1500 bar / 22K | RUN18-14F-2  |
| 1/4" NPT - Female     | 1000 bar / 15K | RUN18-14NF-2 |
| 9/16" UNF LH - Female | 1500 bar / 22K | RUN18-M9LF-2 |
| 9/16" UNF RH - Female | 1500 bar / 22K | RUN18-M9RF-2 |

**RUNNER 24 - DIAMETER Ø 24 MM - LENGTH 134 MM**

| Connection            | Max. Pressure  | Part No.   |
|-----------------------|----------------|------------|
| 3/8" BSP - Female     | 1500 bar / 22K | RUN24-38F  |
| 3/8" NPT - Female     | 1000 bar / 15K | RUN24-38NF |
| 9/16" UNF LH - Female | 1500 bar / 22K | RUN24-M9LF |
| 9/16" UNF RH - Female | 1500 bar / 22K | RUN24-M9RF |

## DERC Runner Nozzle

### RUNNER 10

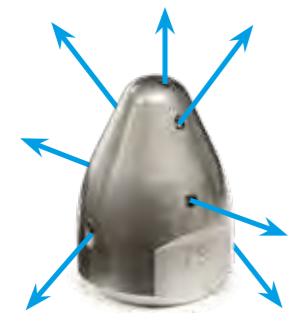
| Part No.      | Type      | Max. Pressure          | Flow                    |
|---------------|-----------|------------------------|-------------------------|
| RUN10-025B-S1 | Standard  | 1000-1500 bar / 15-22K | 24-30 lpm / 6.5-8 gpm   |
| RUN10-025B-U1 | Unplugger | 700-1000 bar / 10-15K  | 19-23 lpm / 5-6 gpm     |
| RUN10-025B-U2 | Unplugger | 1000-1500 bar / 15-22K | 21-25 lpm / 5.5-6.5 gpm |
| RUN10-025B-P1 | Polisher  | 700-1000 bar / 10-15K  | 17-21 lpm / 4.5-5.5 gpm |
| RUN10-025B-P2 | Polisher  | 1000-1500 bar / 15-22K | 19-23 lpm / 5-6 gpm     |

### RUNNER 13

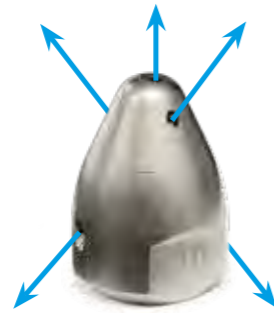
| Part No.      | Type      | Max. Pressure          | Flow                 |
|---------------|-----------|------------------------|----------------------|
| RUN13-025B-S1 | Standard  | 700-1000 bar / 10-15K  | 30-38 lpm / 8-10 gpm |
| RUN13-025B-S3 | Standard  | 1000-1500 bar / 15-22K | 30-38 lpm / 8-10 gpm |
| RUN13-025B-U1 | Unplugger | 700-1000 bar / 10-15K  | 27-34 lpm / 7-9 gpm  |
| RUN13-025B-U3 | Unplugger | 1000-1500 bar / 15-22K | 27-34 lpm / 7-9 gpm  |
| RUN13-025B-P1 | Polisher  | 700-1000 bar / 10-15K  | 27-34 lpm / 7-9 gpm  |
| RUN13-025B-P3 | Polisher  | 1000-1500 bar / 15-22K | 27-34 lpm / 7-9 gpm  |

### RUNNER 18

| Part No.      | Type     | Max. Pressure          | Flow                  |
|---------------|----------|------------------------|-----------------------|
| RUN18-025B-S1 | Standard | 700-1000 bar / 10-15K  | 42-53 lpm / 11-14 gpm |
| RUN18-025B-S2 | Standard | 700-1000 bar / 10-15K  | 30-38 lpm / 8-10 gpm  |
| RUN18-025B-S3 | Standard | 1000-1500 bar / 15-22K | 42-53 lpm / 11-14 gpm |
| RUN18-025B-S4 | Standard | 1000-1500 bar / 15-22K | 26-32 lpm / 7-8.5 gpm |
| RUN18-025B-S5 | Standard | 1000-1500 bar / 15-22K | 30-38 lpm / 8-10 gpm  |



STANDARD HEAD



UNPLUGGER HEAD



POLISHER HEAD

CALL US +31 186 - 62 14 84

## DERC Runner Nozzle

Scan for more info



### RUNNER 18

| Part No.      | Type      | Max. Pressure          | Flow                  |
|---------------|-----------|------------------------|-----------------------|
| RUN18-025B-U1 | Unplugger | 700-1000 bar / 10-15K  | 42-53 lpm / 11-14 gpm |
| RUN18-025B-U2 | Unplugger | 700-1000 bar / 10-15K  | 30-38 lpm / 8-10 gpm  |
| RUN18-025B-U3 | Unplugger | 1000-1500 bar / 15-22K | 42-53 lpm / 11-14 gpm |
| RUN18-025B-U4 | Unplugger | 1000-1500 bar / 15-22K | 30-38 lpm / 8-10 gpm  |
| RUN18-025B-P1 | Polisher  | 700-1000 bar / 10-15K  | 42-53 lpm / 11-14 gpm |
| RUN18-025B-P2 | Polisher  | 700-1000 bar / 10-15K  | 30-38 lpm / 8-10 gpm  |
| RUN18-025B-P3 | Polisher  | 1000-1500 bar / 15-22K | 42-53 lpm / 11-14 gpm |
| RUN18-025B-P4 | Polisher  | 1000-1500 bar / 15-22K | 30-38 lpm / 8-10 gpm  |

### RUNNER 24

| Part No.      | Type      | Max. Pressure          | Flow                  |
|---------------|-----------|------------------------|-----------------------|
| RUN24-025B-S1 | Standard  | 700-1000 bar / 10-15K  | 76-95 lpm / 20-25 gpm |
| RUN24-025B-S2 | Standard  | 700-1000 bar / 10-15K  | 57-72 lpm / 15-19 gpm |
| RUN24-025B-S3 | Standard  | 700-1000 bar / 10-15K  | 45-53 lpm / 12-14 gpm |
| RUN24-025B-S4 | Standard  | 1000-1500 bar / 15-22K | 68-80 lpm / 18-21 gpm |
| RUN24-025B-S5 | Standard  | 1000-1500 bar / 15-22K | 57-64 lpm / 15-17 gpm |
| RUN24-025B-S6 | Standard  | 1000-1500 bar / 15-22K | 45-53 lpm / 12-14 gpm |
| RUN24-025B-U1 | Unplugger | 700-1000 bar / 10-15K  | 76-95 lpm / 20-25 gpm |
| RUN24-025B-U2 | Unplugger | 700-1000 bar / 10-15K  | 57-72 lpm / 15-19 gpm |
| RUN24-025B-U3 | Unplugger | 700-1000 bar / 10-15K  | 45-53 lpm / 12-14 gpm |
| RUN24-025B-U4 | Unplugger | 1000-1500 bar / 15-22K | 68-80 lpm / 18-21 gpm |
| RUN24-025B-U5 | Unplugger | 1000-1500 bar / 15-22K | 57-64 lpm / 15-17 gpm |
| RUN24-025B-U6 | Unplugger | 1000-1500 bar / 15-22K | 45-53 lpm / 12-14 gpm |
| RUN24-025B-P1 | Polisher  | 700-1000 bar / 10-15K  | 76-95 lpm / 20-25 gpm |
| RUN24-025B-P2 | Polisher  | 700-1000 bar / 10-15K  | 57-72 lpm / 15-19 gpm |
| RUN24-025B-P3 | Polisher  | 700-1000 bar / 10-15K  | 45-53 lpm / 12-14 gpm |
| RUN24-025B-P4 | Polisher  | 1000-1500 bar / 15-22K | 68-80 lpm / 18-21 gpm |
| RUN24-025B-P5 | Polisher  | 1000-1500 bar / 15-22K | 57-64 lpm / 15-17 gpm |
| RUN24-025B-P6 | Polisher  | 1000-1500 bar / 15-22K | 45-53 lpm / 12-14 gpm |

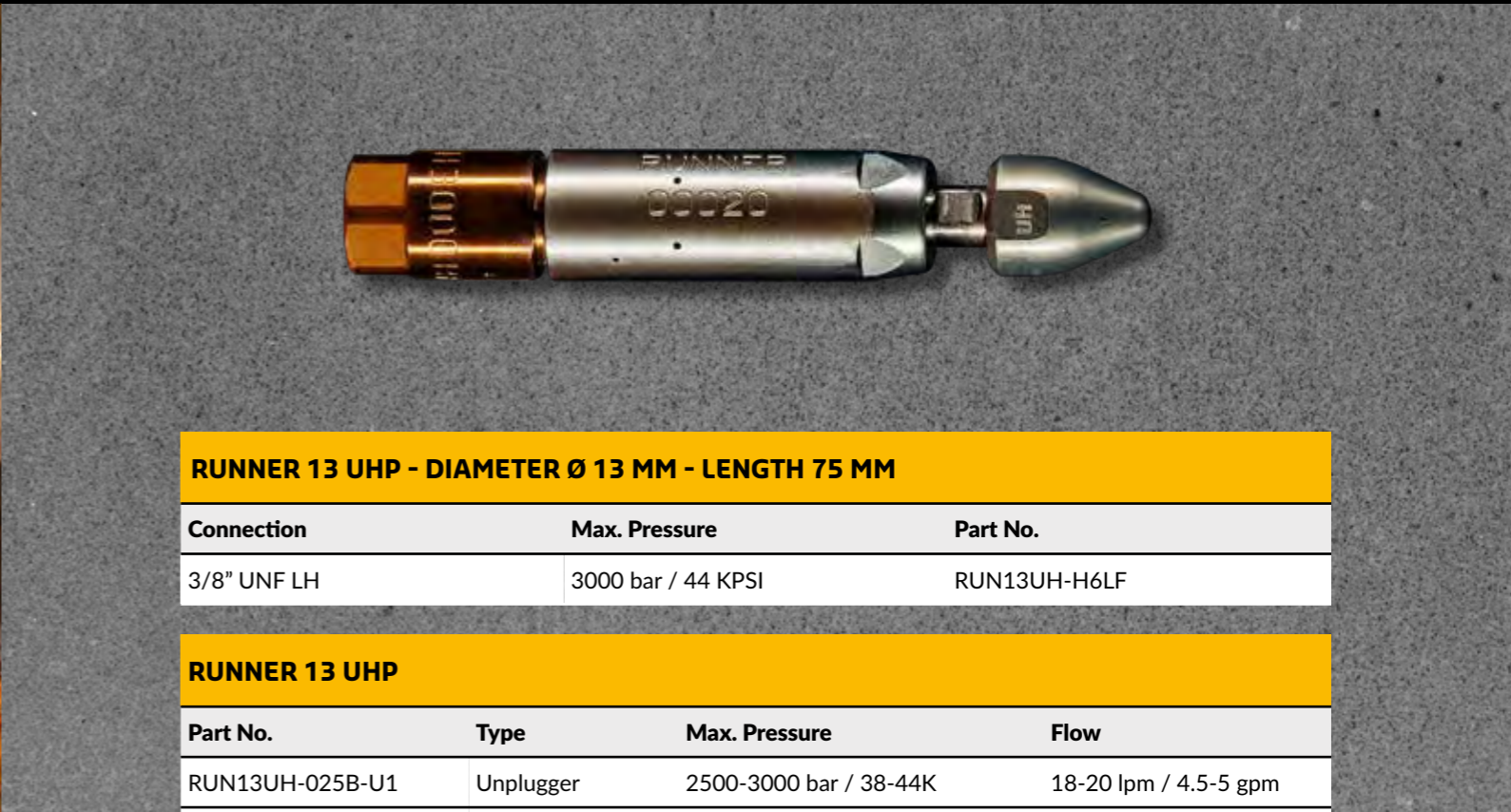
# DERC Runner Nozzle UHP

## DERC Runner Nozzle UHP

Scan for more info



**NEW**



### RUNNER 13 UHP - DIAMETER Ø 13 MM - LENGTH 75 MM

| Connection  | Max. Pressure      | Part No.     |
|-------------|--------------------|--------------|
| 3/8" UNF LH | 3000 bar / 44 KPSI | RUN13UH-H6LF |

### RUNNER 13 UHP

| Part No.        | Type       | Max. Pressure          | Flow                    |
|-----------------|------------|------------------------|-------------------------|
| RUN13UH-025B-U1 | Unplugging | 2500-3000 bar / 38-44K | 18-20 lpm / 4.5-5 gpm   |
| RUN13UH-025B-U2 | Unplugging | 2500-3000 bar / 38-44K | 22- 24 lpm / 5.5-6 gpm  |
| RUN13UH-025B-U3 | Unplugging | 2500-3000 bar / 38-44K | 25-28 lpm / 6.5-7.5 gpm |
| RUN13UH-025B-P1 | Polisher   | 2500-3000 bar / 38-44K | 18-20 lpm / 4.5-5 gpm   |
| RUN13UH-025B-P2 | Polisher   | 2500-3000 bar / 38-44K | 22- 24 lpm / 5.5-6 gpm  |
| RUN13UH-025B-P3 | Polisher   | 2500-3000 bar / 38-44K | 25-28 lpm / 6.5-7.5 gpm |
| RUN13UH-025B-S1 | Standard   | 2500-3000 bar / 38-44K | 18-20 lpm / 4.5-5 gpm   |
| RUN13UH-025B-S2 | Standard   | 2500-3000 bar / 38-44K | 22- 24 lpm / 5.5-6 gpm  |
| RUN13UH-025B-S3 | Standard   | 2500-3000 bar / 38-44K | 25-28 lpm / 6.5-7.5 gpm |

## ULTRA HIGH PRESSURE CLEANING OF HEAT EXCHANGERS

The new DERC Runner UHP is specifically designed for efficient cleaning of tube bundles and heat exchangers at pressures up to 3000 bar. Based on the proven DERC Runner nozzle, this UHP version combines durability with maximum cleaning power.

Available in size Ø 13 and 18 mm, other sizes are in development.

### Why choose the DERC Runner UHP?

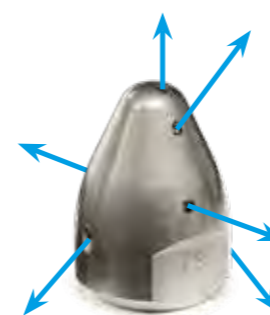
- Operates at 3000 bar instead of the standard 2800 bar.
- Less leakage compared to alternative nozzles.
- Equipped with drilled heads - more economical in use.
- Available in Standard, Polisher, and Unplugging versions.
- Custom heads can be easily produced for specific applications.

### FEATURES

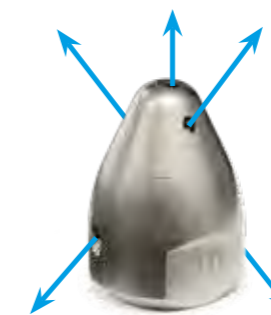
- Up to 3000 bar
- High efficiency jets, recessed drilled
- Uniquely shaped nozzle head for improved cleaning & unplugging
- Patented design
- Hardened body
- Metric wrench flats
- Hardened inlet cover to improve mechanical wear and tear

### APPLICATION

- Cleaning heat exchanger tubes
- Cleaning evaporator tubes
- Cleaning tubes and pipes



**STANDARD HEAD  
RUNNER 13 UHP**



**UNPLUGGER HEAD  
RUNNER 13 UHP**



**POLISHER HEAD  
RUNNER 13 UHP**

## DERC Runner Nozzle UHP

## DERC Runner Nozzle UHP

Scan for more info



**NEW**

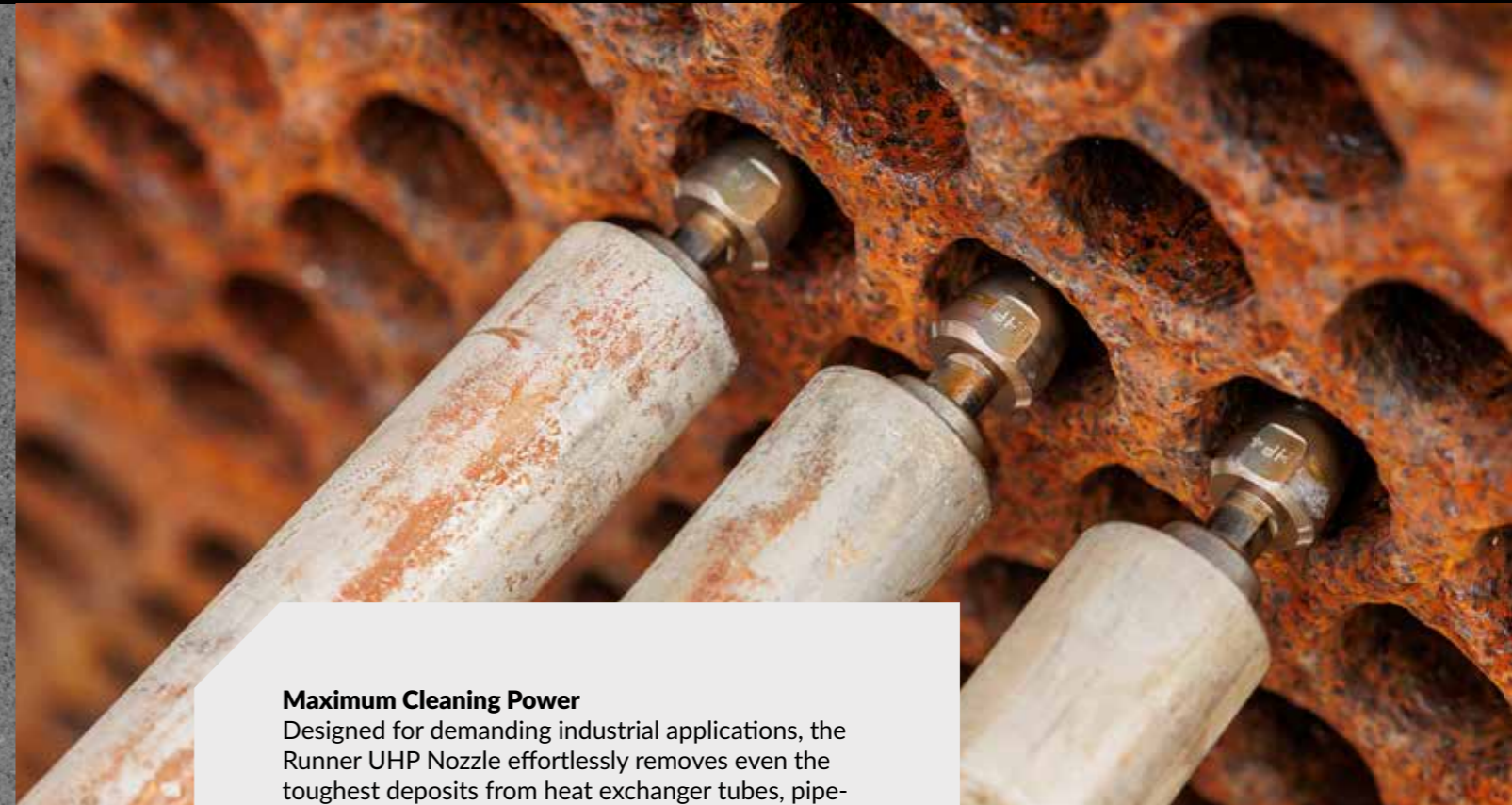


### RUNNER 18 UHP - DIAMETER Ø 18 MM - LENGTH 110 MM

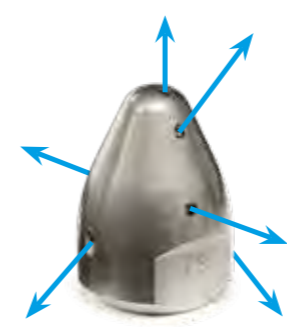
| Connection   | Max. Pressure      | Part No.      |
|--------------|--------------------|---------------|
| 9/16" UNF LH | 3000 bar / 44 KPSI | RUN18UH-H9LF  |
| M14x1,5 LH   | 3000 bar / 44 KPSI | RUN18UH-H14LH |

### RUNNER 18 UHP

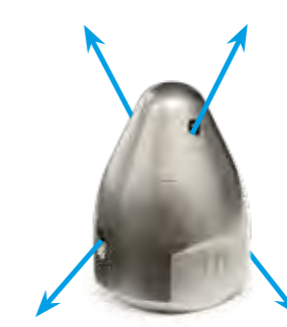
| Part No.        | Type      | Max. Pressure              | Flow                   |
|-----------------|-----------|----------------------------|------------------------|
| RUN18UH-030B-U1 | Unplugger | 2500-3000 bar / 38-44 KPSI | 25-28 lpm/ 6.5-7.5 gpm |
| RUN18UH-030B-U2 | Unplugger | 2500-3000 bar / 38-44 KPSI | 29-32 lpm/ 7.5-8.5 gpm |
| RUN18UH-030B-U3 | Unplugger | 2500-3000 bar / 38-44 KPSI | 33-36 lpm/8.5-9.5 gpm  |
| RUN18UH-030B-P1 | Polisher  | 2500-3000 bar / 38-44 KPSI | 25-28 lpm/ 6.5-7.5 gpm |
| RUN18UH-030B-P2 | Polisher  | 2500-3000 bar / 38-44 KPSI | 29-32 lpm/ 7.5-8.5 gpm |
| RUN18UH-030B-P3 | Polisher  | 2500-3000 bar / 38-44 KPSI | 33-36 lpm/8.5-9.5 gpm  |
| RUN18UH-030B-S1 | Standard  | 2500-3000 bar / 38-44 KPSI | 25-28 lpm/ 6.5-7.5 gpm |
| RUN18UH-030B-S2 | Standard  | 2500-3000 bar / 38-44 KPSI | 29-32 lpm/ 7.5-8.5 gpm |
| RUN18UH-030B-S3 | Standard  | 2500-3000 bar / 38-44 KPSI | 33-36 lpm/8.5-9.5 gpm  |



**Maximum Cleaning Power**  
 Designed for demanding industrial applications, the Runner UHP Nozzle effortlessly removes even the toughest deposits from heat exchanger tubes, pipelines, and process equipment. Its advanced rotating technology ensures full 360° coverage, reducing cleaning time and minimizing downtime.



**STANDARD HEAD  
 RUNNER 18 UHP**



**UNPLUGGER HEAD  
 RUNNER 18 UHP**



**POLISHER HEAD  
 RUNNER 18 UHP**

**Runner UHP Heads**  
 Different nozzle head configurations (e.g. standard, polisher or unplugger) allow the cleaning process to be tailored to each specific application. Custom heads can be easily produced for specific applications.

# DERC Rotating Nozzle Spin-Jet



## CLEANING HEAT EXCHANGER TUBES UP TO 1500 BAR

The DERC Spin-Jet nozzles are designed for cleaning heat exchanger tubes and pipelines using high-pressure water jetting technology.

### Rotating Mechanism

The water flow and pressure from your high-pressure pump rotate the DERC Spin-Jets. DERC Salotech offers 5 different models.

### Authenticity

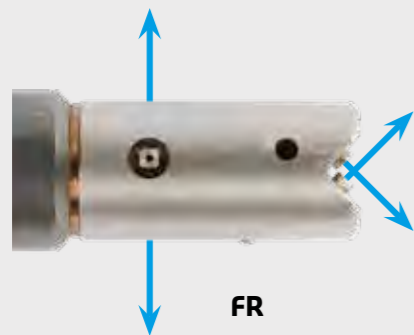
All spinners are marked with Spin-Jet.com, ensuring they are original DERC Salotech products.

### FEATURES

- Up to 1000/1500 bar
- Metric, BSP, NPT, MP RH or LH connections
- Perfect cleaning without "stripes"

### APPLICATIONS

- General pipe and tube cleaning
- Heat exchanger cleaning



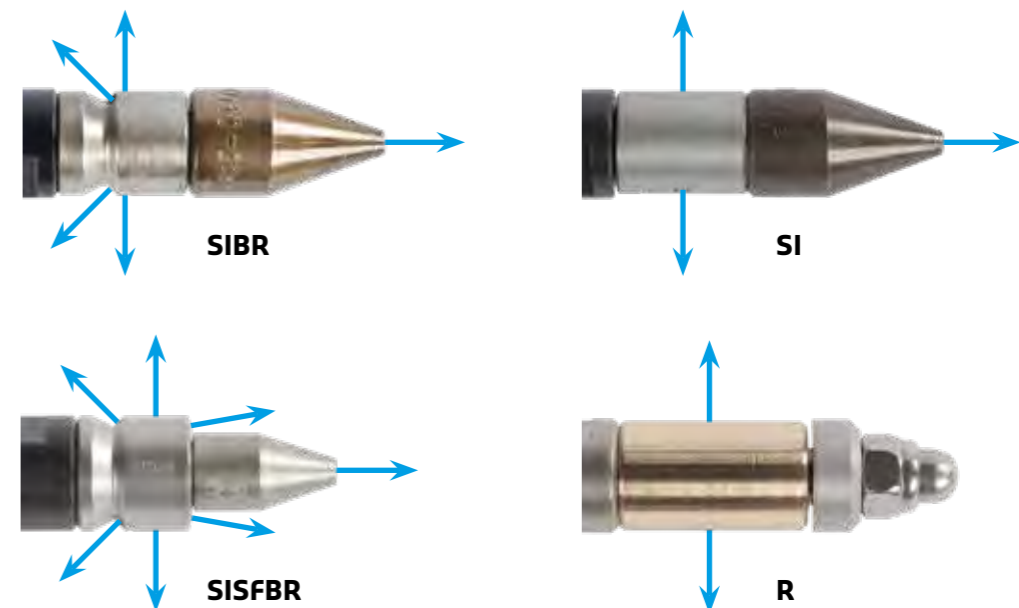
CALL US +31 186 - 62 14 84

## DERC Rotating Nozzle Spin-Jet

Scan for more info



| SPIN-JET SIBR                                  |                             |                               |               |
|--|-----------------------------|-------------------------------|---------------|
| Jet Angle                                      | Diameter                    | Connection                    | Max. Pressure |
| 2 x 90° Radial, 2 x 45° and optional front jet | 8, 10, 12, 18, 28 and 40 mm | Metric, BSP, NPT, MP RH or LH | 1500 bar      |
| SPIN-JET SI                                    |                             |                               |               |
| Jet Angle                                      | Diameter                    | Connection                    | Max. Pressure |
| 4x 90° Radial and optional front jet           | 8, 10, 12, 18, 28 and 40 mm | Metric, BSP, NPT, MP RH or LH | 1500 bar      |
| SPIN-JET SISFBR                                |                             |                               |               |
| Jet Angle                                      | Diameter                    | Connection                    | Max. Pressure |
| 2 x 10° Front<br>2 x 90° / 2 x 45°             | 10, 12, 18, 28 and 40 mm    | Metric, BSP, NPT, MP RH or LH | 1500 bar      |
| SPIN-JET FR                                    |                             |                               |               |
| Jet Angle                                      | Diameter                    | Connection                    | Max. Pressure |
| 2 x Cross Jet Front<br>2 x 90° Radial          | 10, 12, 22, 31 and 46 mm    | Metric, BSP, NPT, MP RH or LH | 1000 bar      |
| SPIN-JET R                                     |                             |                               |               |
| Jet Angle                                      | Diameter                    | Connection                    | Max. Pressure |
| 2x 90° Radial                                  | 10, 12, 22, 31 and 46 mm    | Metric, BSP, NPT, MP RH or LH | 1000 bar      |



# DERC Nozzles

**FAST DELIVERY**



## THE PERFECT NOZZLE FOR ANY JOB - CONFIGURED TO YOUR SPECIFICATIONS

The DERC nozzle range is the basis for all your water jetting projects up to 3000 bar.

### Made to Order

Our basic models simplify your choice, can be configured to your specifications, and delivered quickly.

### Perfect Spray Patterns

Based on your requirements (pressure, pump capacity, use as pulling/pushing or neutral, permissible reaction force, and spray pattern), we advise on the optimal configuration, providing you with the perfect spray pattern for the best results.



DST

### FEATURES

- Configured to your specifications
- High efficiency with optimum spray pattern
- Longer life cycle because of recessed drilled nozzle-holes and spray pattern
- No oxidation, due to applied materials and heat treatment
- Short delivery times
- Excellent value for money

### APPLICATION

- High pressure cleaning of tubes and pipes

CALL US +31 186 - 62 14 84

## DERC Nozzles

Scan for more info



### DERC NOZZLES

| Part No.           | Connection  | Max. Pressure |
|--------------------|---|---------------|
| DUT-Nozzle         | M7x1 F   1/8" BSP F   1/4" BSP F   3/8" BSP F                           | 1500 bar      |
| DST-Nozzle         | M7x1 F   1/8" BSP F   1/4" BSP F  | 1500 bar      |
| DPT-Nozzle         | M7x1 F   1/8" BSP F   1/4" BSP F  | 1500 bar      |
| DPLT-Nozzle        | 1/4" - 28 UNF M   5/16" - 24 UNF M                                      | 1500 bar      |
| DUHP-Nozzle        | 12-28UN M   10-28UN M   | 2500 bar      |
| DUHP-Nozzle        | M7x1 RH M   M10x1 RH M  | 3000 bar      |
| DTLT-Nozzle        | 1/4" UNF LH F   3/8" - 24 UNF LH F   9/16" - 18 UNF LH F   M14x1.5 LH F | 3000 bar      |
| DCN-Nozzle         | M7x1 F   1/8" BSP F   1/4" BSP F  | 1500 bar      |
| DCN-Nozzle         | 9/16" UNF LH F   M14x1.5 LH F   3/8" UNF LH F                           | 3000 bar      |
| DTLX-Nozzle        | 1/4" UNF LH F   3/8" UNF LH F   9/16" UNF LH F                          | 1500 bar      |
| DP-Nozzle          | 1/16" NPT F   1/8" NPT F   1/4" NPT F                                   | 1000 bar      |
| 18XX Series Nozzle | 1/2" BSP M/F   M18x1.5 M   M22x1.5 M   M24x1.5 M                        | 1500 bar      |

**MADE TO ORDER**

# DERC Shell Side Blaster SSB

## DERC Shell Side Baster SSB

Scan for VIDEO



### AUTOMATED SOLUTION FOR EXTERNAL CLEANING OF HEAT EXCHANGER TUBES

The DERC SSB is an automated solution for external cleaning of heat exchangers with high pressure water jets. It makes shell side cleaning simple and safe by placing the operator at a safe distance.

#### Innovative Design

The DERC SSB consists of two wheeled frames, which can be placed over the heat exchanger, and adjusted in height by means of two manually operated hand wheels. The system comes with two tensioner chains to secure the frames to your tube bundle rollers. The DERC SSB is easy to disassemble in smaller/shorter pieces for easy transportation.

#### Control Panel

- Speed + Movement tractor left - right
- Speed + Movement bundle rotation
- Speed rotation nozzles
- Air Hoses and Air Preparation Oiler / Filter included

#### FEATURES

- Air or hydraulic powered
- A-Frames with manual height adjustment
- Chains with tensioner to fix A-Frame to bundle rollers
- DERC Automatic Solutions Rail 4" with gear rack
- DERC RCS-200 swivel
- Control Panel

#### APPLICATIONS

- General pipe and tube cleaning
- Shell side (heat exchanger) cleaning



AUTOMATED SOLUTIONS TRACTOR + RCS-200



ENERGY CHAIN

#### Automated Solutions Tractor

A stainless steel coupled profile with a 4" Automated Solutions Rail (ASR) is mounted between the frames. The DERC Automated Solutions Tractor (AST) runs on this rail, moving back and forth automatically via a gearbox, air or hydraulic engine, gear, and heavy-duty stainless steel roller bearings. End switches and a control valve ensure automatic movement, with the stroke easily adjustable by moving the end stops (see page 126).

#### SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| <b>Total Length</b>            | 8m / 12 m (other lengths possible)        |
| <b>Max. Tube Bundle Length</b> | 7,5 m / 10 m (other lengths possible)     |
| <b>Height Adjustment Frame</b> | 1650 - 2600 mm rails                      |
| <b>Max. Pressure</b>           | 1500 bar / 22K                            |
| <b>Max. Flow</b>               | 1000 bar @ 380 lpm / 1500 bar @ 240 lpm   |
| <b>Inlet Connection</b>        | M36x2 male / M24x1,5 / 3/4" NPT           |
| <b>Movement Speeds</b>         | 2 -12 m/min (7 - 40 ft/min)               |
| <b>RCS-200 Rotation Speed</b>  | +/- 500 rpm                               |
| <b>Nozzle Inserts</b>          | 2x Type 4 or 2 x Type 226 or 2 x 1/4" NPT |

# DERC Tube Bundle Rollers

## DERC Tube Bundle Rollers

Scan for more info



### SAFE ROTATION OF PIPE BUNDLES DURING CLEANING

The DERC Tube Bundle Rollers are heavy duty rollers for any bundle up to 25,000 kg. These rollers rotate pipe bundles during cleaning.

#### Set of Bundle Rollers

The DERC Tube Bundle Rollers are sold in sets of two. Each Bundle Roller contains four rollers for optimal bundle support. One Bundle Roller features driven rollers, while the other Bundle Roller operates without drive. The drive engine can be powered either pneumatically or hydraulically. For easy transport or storage the set can be stacked.

#### Design

- Stainless steel base frame
- Heavy duty bearings
- Gearbox
- Motor
- Chain tensioner
- Chain guard
- 4 steel zinc plated rollers

#### FEATURES

- Suitable for a large range of bundle sizes, without adjusting the rollers
- Air or hydraulic driven
- Forklift pockets for easy transport
- Stackable for efficient storage

#### APPLICATION

- Safe rotation of pipe bundles

#### SPECIFICATIONS

|                        |   |
|------------------------|---|
| Max. Load              | 25.000 kg   |
| Power                  | Air or hydraulic                                  |
| Bearing                | 8 Heavy duty, grease filled bearings per set      |
| Application            | Tube bundle minimum diameter 450 mm up to 2000 mm |
| Weight                 | Ca. 1000 kg per set (550 + 475)                   |
| Dimensions (L x W x H) | 1500 x 1500 x 650 mm                              |
| Control Panel          | Optional  |



# DERC Rotary Coupling Swivel RCS-200

## DERC Rotary Coupling Swivel RCS-200

Scan for VIDEO



### POWERED ROTATING COUPLING ASSEMBLY

The RCS-200 is an air or hydraulic powered rotating coupling assembly (swivel) with a maximum working pressure of 1500 bar.

#### Adjustable Speed

Designed for surface cleaning and outside tube bundle cleaning, the RCS-200 features adjustable speed and various nozzle heads and options.

#### Optional Arms and Heads

The RCS-200 series includes a stainless steel guard protecting the nozzle head and arms. The nozzle head and arms have a 215 mm jet path and are available in 3 versions.

#### Inlet Connections

The RCS-200 series are standard delivered with the following inlet connections (straight / 90°):

- 3/4" NPT Female
- 3/4" MP Female
- M24 x 1.5 Female Flat

#### FEATURES

- Various rotations for high jet impact
- Bended nozzle arms with flow stabilizers to produce powerful and effective jets
- Various heads, and customization is possible for a larger range of applications
- Replaceable high quality nozzle tips with maximum jet quality

#### APPLICATIONS

- External tube bundle cleaning
- Surface cleaning systems and solutions, combined with our automated solution rails and tractors
- Cleaning of floors, conveyors and large surfaces
- Installation on many controlled moveable systems

#### DERC RCS-200C-HS-A

| Max. Pressure   | Drive | Rotation Speed | Max. Flow     |
|-----------------|-------|----------------|---------------|
| 1000 / 1500 bar | Air   | +/- 500 rpm    | 380 / 240 lpm |

#### DERC RCS-200C-HS-H

| Max. Pressure   | Drive     | Rotation Speed | Max. Flow     |
|-----------------|-----------|----------------|---------------|
| 1000 / 1500 bar | Hydraulic | +/- 400 rpm    | 380 / 240 lpm |

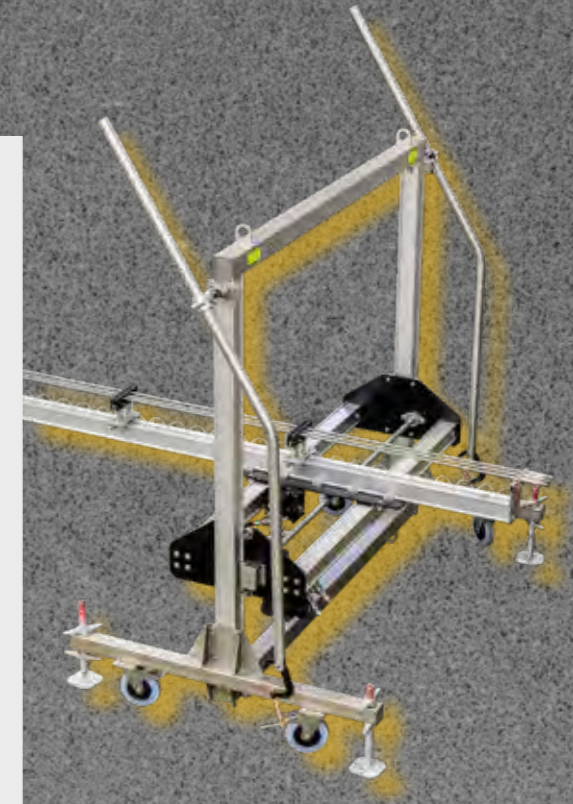
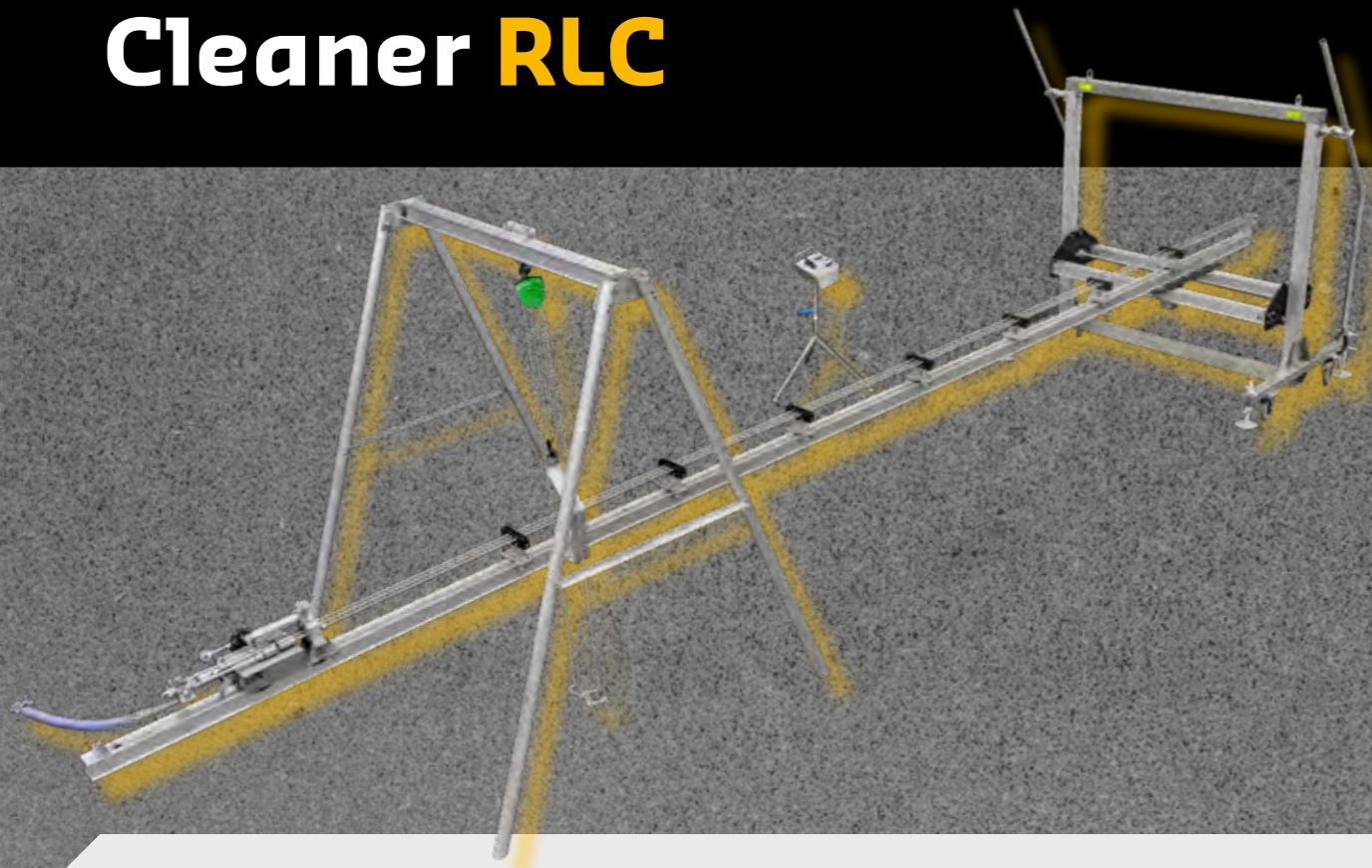
#### OPTIONAL ARMS AND HEADS

| Arm Type          | Nozzle Type      | Max. Pressure |  |
|-------------------|------------------|---------------|--|
| RCS-230B-M20-T4   | Type 04 nozzles  | 1500 bar      | Complete with flow stabilizers and nozzle caps |
| RCS-230B-M20-T226 | Type 226 nozzles | 1000 bar      | Complete with flow stabilizers and nozzle caps |
| RCS-230B-14NF     | DI 14 nozzles    | 1000 bar      | With integrated flow inducer                   |

# DERC Rigid Lance Cleaner RLC

## DERC Rigid Lance Cleaner RLC

Scan for more info



### SAFE AND FAST CLEANING OF HEAT EXCHANGER TUBES

The DERC Rigid Lance Cleaning System is a modular rigid lancing system to clean heat exchanger tube bundles. It is perfect for safe and fast removal of hard plugs, scaling and general cleaning of heat exchangers. The RLC is easy to adapt to any length and suitable for a maximum working pressure of 3000 bar.

#### Automated Solutions Rail

The basis of the RLC system is an aluminum rail with gear rack on which a modular rotating lancing carriage drives the lances in and out the heat exchanger tubes.



#### FEATURES

- Control panel
- DERC Automatic Solutions Rail 4" with gear rack
- DERC Modular Lance Rotating Drive Unit
- 1, 2, 3 or 5 lances
- DERC X-Y Positioner
- Air powered (hydraulic on request)
- A-Frame for rear support (horizontal appl.)

#### APPLICATION

- Heat exchanger cleaning

#### X-Y Positioner

For positioning the lances in front of the heat exchanger the RLC system comes with an X-Y Positioner. This X-Y Positioner can be used for horizontal or vertical applications of the RLC. For horizontal applications it consists of a removable wheel kit, support stands / legs and scaffolding guides. For vertical applications the X-Y positioner is mounted to the tube bundle.

#### Rear Support / A-Frame

For stability the RLC is equipped with a rear support. For horizontal applications this is an A-Frame with a movable support chain. For vertical applications a custom solution is needed depending on the length of the aluminum rail.



## DERC Rigid Lance Cleaner RLC



**Modular Lance Rotation Drive Unit**  
 On the lance carriage you will find our Modular Lance Rotation Drive Unit. This modular block can be converted to rotate 1, 2, 3 or 5 high pressure lances in any pressure range.



## DERC Rigid Lance Cleaner RLC

Scan for more info



**Control Panel**

For controlling all the functions of the RLC system the machine comes with a control panel, placing the operator out of the line of fire.

**Power**

The RLC system is standard fully air powered, however on request we can offer a hydraulic version of the system.



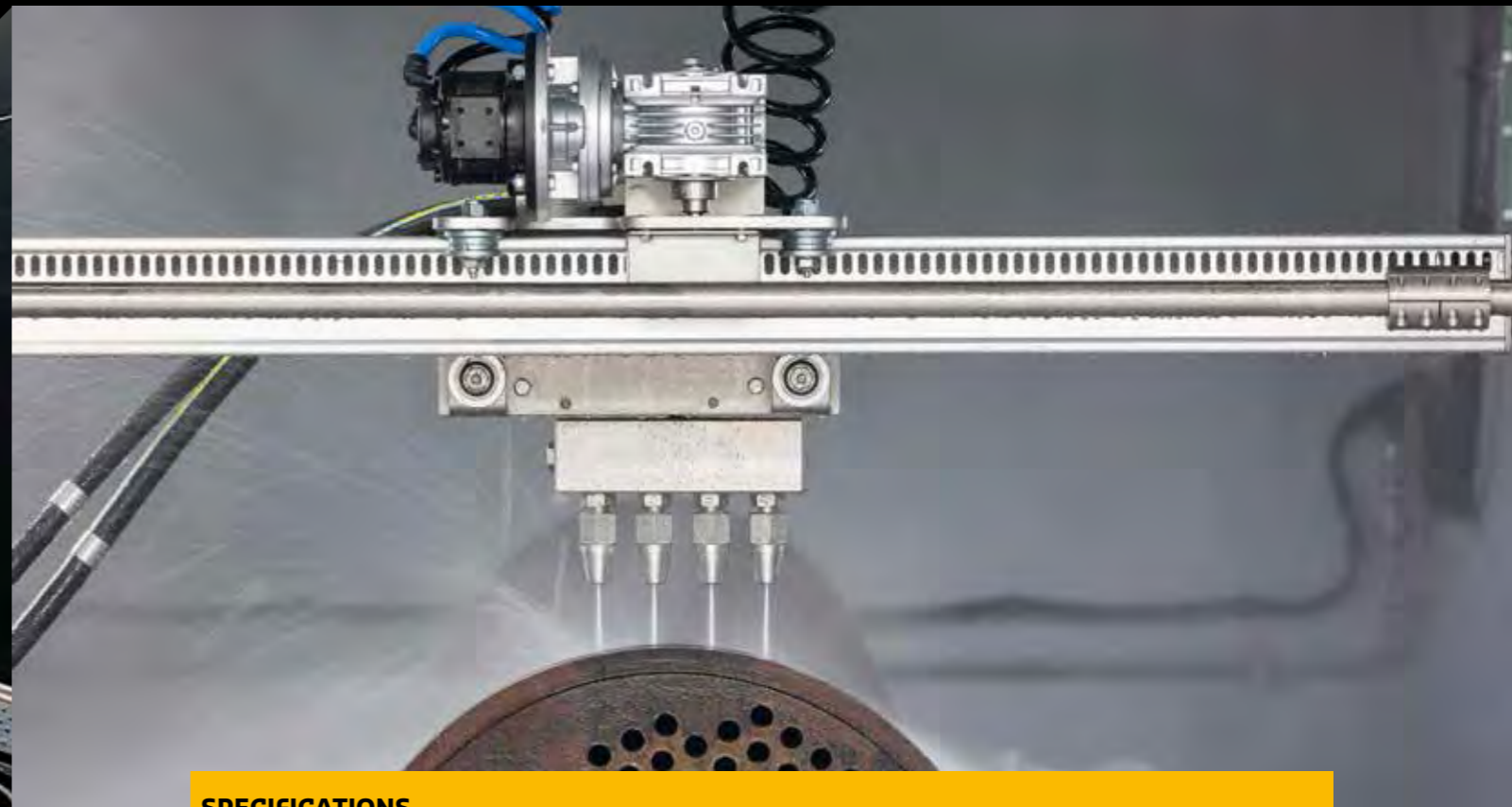
**Nozzles and Lances**

Based on your requirements, DERC Salotech offers a full range of nozzle and lance configurations for the RLC (see page 20 and 128).

# DERC Blast Container

## DERC Blast Container

Scan for more info



### THE MOBILE SOLUTION FOR SAFE AND CLOSED TUBE BUNDLE CLEANING

The DERC Blast Container is a (semi) automatic solution for closed high pressure water jetting of tube bundles. It is suitable for tube bundles with a diameter of 450-1600 mm and a maximum length of 6000 mm.

#### Mobile and Emission Free

The Blast Container is a bundle blaster which is built into a container. This makes the bundle blaster easy to transport and possible to use on your desired location. Waste water and debris is collected, so there is no pollution of the direct environment.

#### Internal and External Cleaning

The Blast Container is able to clean both the inside and the outside of the tube bundles or other parts. For internal cleaning there is an adapter plate to connect your flex lance machine.

#### Bundle Rollers

The DERC Blast Container comes with pneumatic driven tube bundle rollers with a maximum capacity of 25 ton.

#### FEATURES

- Mobile, easy to transport
- Full pneumatic or electric pneumatic controls
- Full pneumatic bundle rollers
- Emission free
- 4-jets manifold with high speed nozzles
- Other jet manifolds available
- Adapter plate for flex lance machine for internal cleaning

#### APPLICATION

- Closed external and internal cleaning of tube bundles

#### SPECIFICATIONS

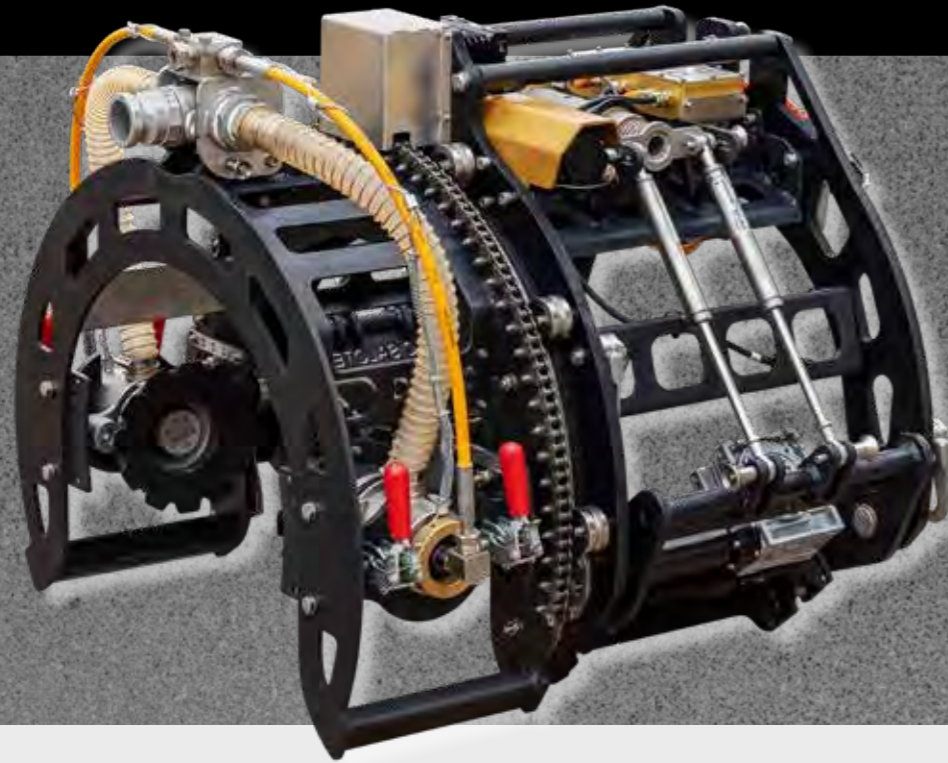
|                                |                                |
|--------------------------------|--------------------------------|
| <b>Tube Bundle Range</b>       | 450-1400 mm                    |
| <b>Max. Tube Bundle Length</b> | 6000 mm                        |
| <b>Max. Pressure</b>           | 1000 bar                       |
| <b>Max. Flow</b>               | 200 lpm                        |
| <b>Manifold</b>                | 4-jets with high speed nozzles |
| <b>Nozzles</b>                 | Type 04 or 226                 |
| <b>Drive</b>                   | Air powered                    |
| <b>Bundle Rollers</b>          | Air powered max. 25 ton        |
| <b>Control</b>                 | Air or electric pneumatic      |



# DERC R-Tube

## DERC R-Tube

Scan for more info



### INNOVATIVE SOLUTION FOR CLEANING OUTSIDE OF PIPES

The R-Tube is an automated solution for efficient surface preparation and cleaning of the outside diameter of pipes.

#### Design

It consists of a carrier, which travels the length of the pipe and 2 cleaning heads equipped with 2 Masterjets with custom-made suction manifolds to secure no leakage.

The cleaning head rotates (180 degrees) around the pipe to ensure no surface is left untouched.

#### Flexible Operation

The R-Tube is designed as a (semi)open concept which means that both carrier and cleaning heads don't surround the entire pipe. This allows the machine to move past obstacles such as pipe supports, crane lugs and possibly branching pipes. Mounting is easy and doesn't require any special tools.

#### FEATURES

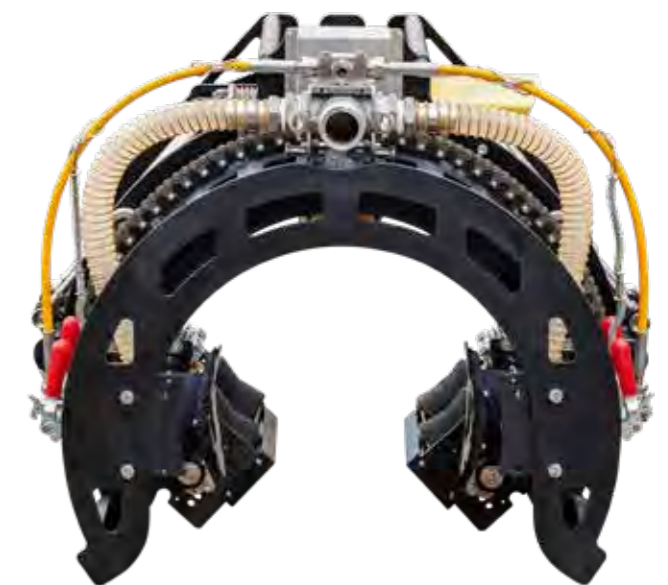
- Compact design
- Easy mounting
- Adjustable to different diameters (6" up to 32", other sizes possible on request)
- Up to 3000 bar @ 18 l/min
- Open construction
- MagTrack remote controls
- Travel speed: 0 - 3 m/min

#### APPLICATIONS

- Automated surface preparation and cleaning of the outside diameters of pipes

#### Various Sizes

This innovative cleaning tool comes in 2 models making it capable of cleaning diameters from 6" up to 32". Other sizes are possible on request (see next pages for a 60" XXL version).



## DERC R-Tube

## DERC R-Tube

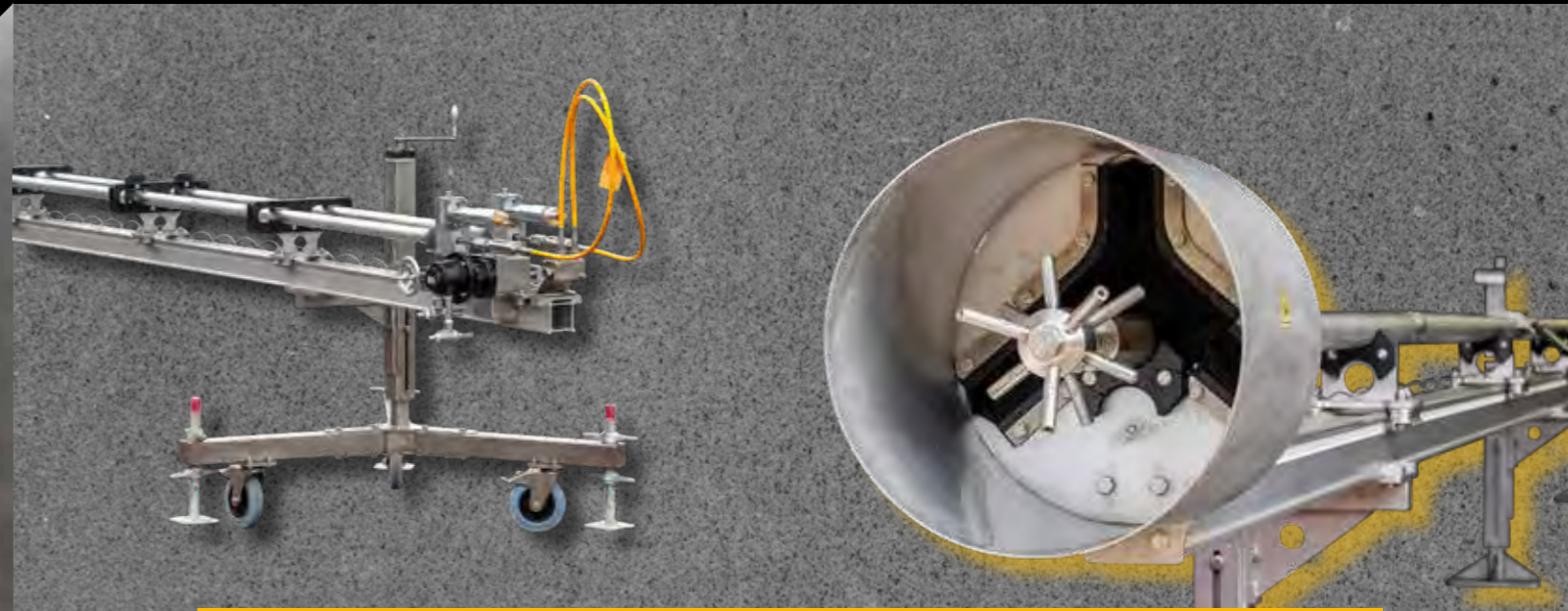
Scan for  
VIDEO**R-Tube XXL**

Designed for ultra-high-pressure (UHP) coating removal, this R-Tube XXL efficiently removes hazardous lead-based paint from a 2 km, 60" diameter penstock pipe. Built for pressures up to 3000 bar with vacuum recovery, it ensures a fast, safe, and environmentally friendly process.

# DERC Rotating Pipe Cleaner RPC

## DERC Rotating Pipe Cleaner RPC

Scan for more info



### SAFE AND EASY CLEANING OF LARGE ID (DRILL) PIPES

The DERC Salotech Pipe Cleaner is the tool for cleaning (drill) pipes with all kind of deposits. Hard cement, drill mud or even NORM cleaning is possible with this tool.

The DERC RPC has a rugged modular design, and is easy to built up and disassemble for transport. The jack stands are height adjustable and come with wheels and jacks.

#### FEATURES

- Rugged modular design
- Available in various pressure ranges up to 3000 Bar (43K)
- Rotation speed/feed independent adjustable
- Configurable in length
- Unique UHP lance construction with support casing
- Rugged Guide blocks with 4 roller bearings
- Configurable centralizers and nozzle carriers

#### APPLICATIONS

- Cleaning (drill) pipes
- Remove hard cement, drill mud
- NORM cleaning



#### SPECIFICATIONS

|                                 |  |
|---------------------------------|--|
| <b>Max. Pressure</b>            | 1000 bar / 15K, 1500 bar / 22K, 3000 bar / 43K   |
| <b>Max. Flow</b>                | Up to 400 lpm  |
| <b>Length</b>                   | Configurable   |
| <b>Jack Stands</b>              | Stainless Steel; Standard 2x pieces height adjustable complete with jacks and wheels; Longer length RPC needs more jack stands         |
| <b>Guide Blocks</b>             | Stainless Steel 4 roller bearings heavy duty   |
| <b>HP Lance(s)</b>              | Configurable to pressure, single or dual   |
| <b>Control Panel</b>            | Stainless steel; Complete with oiler, filter and air hoses; Functions: lance feed in/out, rotation, both speed regulated independently |
| <b>Nozzles and Centralizers</b> | Configurable to the working pressure and pipe diameter   |

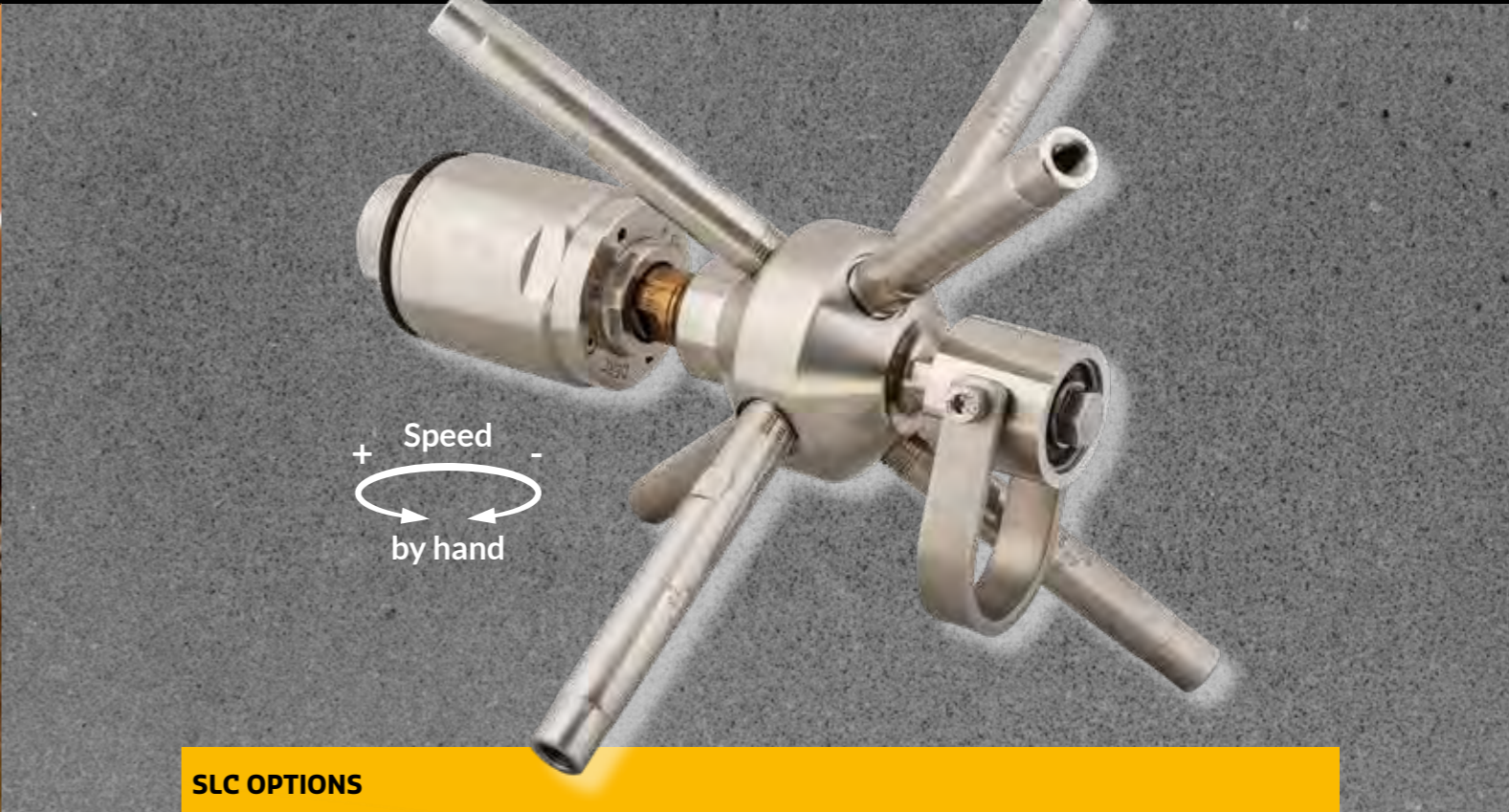
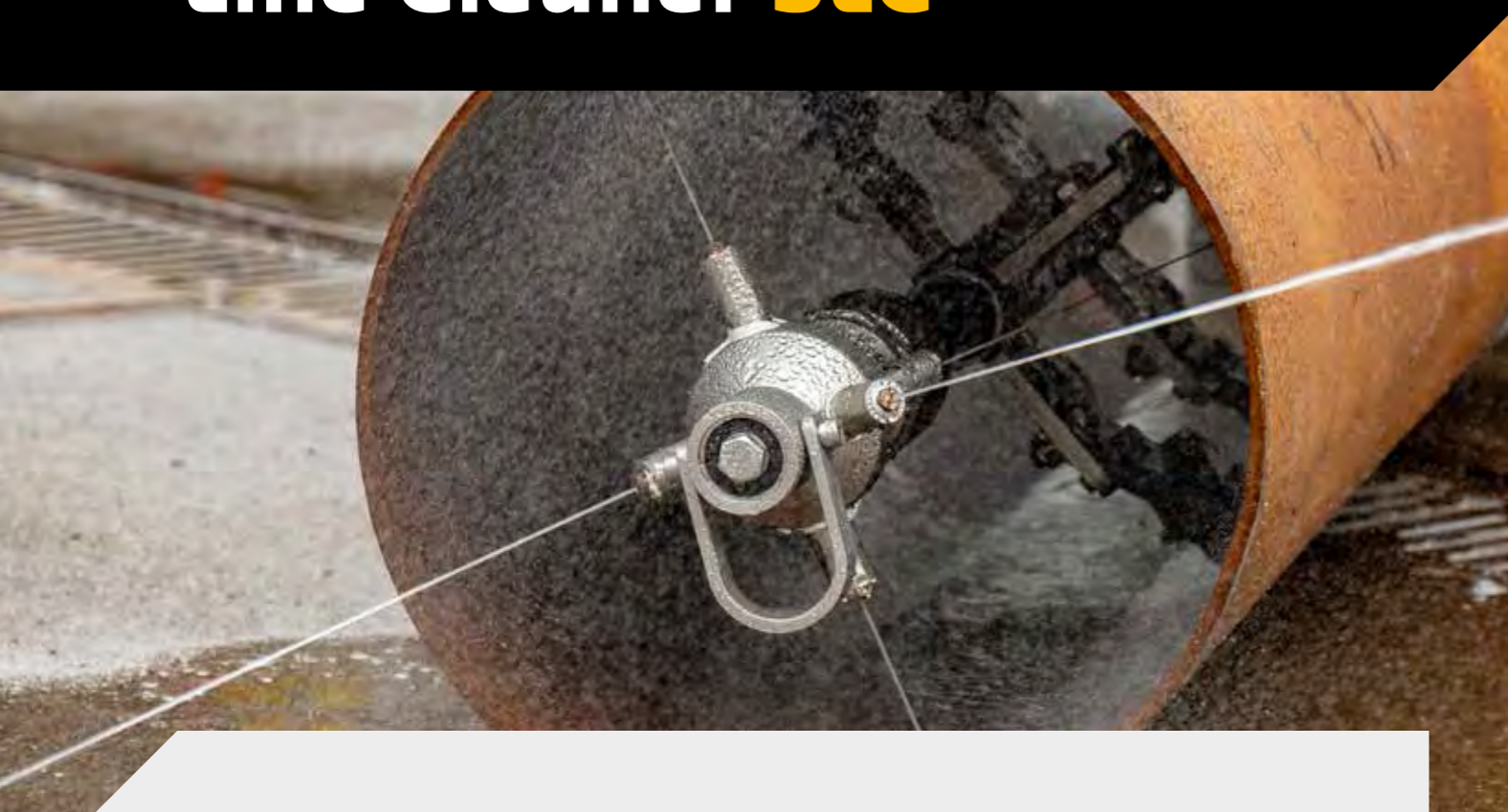


CALL US +31 186 - 62 14 84

# DERC Speed Regulated Line Cleaner SLC

## DERC Speed Regulated Line Cleaner SLC

Scan for more info



### VERSATILE MODULAR PIPE CLEANING TOOL

The rotation speed of this modular pipe cleaning tool can easily be adjusted “manually” for the required cleaning job. Slow speeds for plugged pipes with hard residues, and fast speeds for polishing the inner walls of the pipes.

#### Cleaning Heads

To suit the requirements of every cleaning job the SLC has a variety of head choices available to which you can connect a pulling ring, customized ports and have multiple jetting options. The SLC heads are based on pressure, flow and type of cleaning work.

#### Extension Lances

Certain head options require extension nipples. See our extension lances for the possibilities.

#### FEATURES

- Up to 1500 bar
- Manual speed adjustment
- Choose the right SLC head for the job
- Optional pulling ring
- Optional extension lances
- Rugged stainless steel construction

#### APPLICATIONS

- Cleaning plugged pipes with hard residues
- Polishing inner walls of pipes

#### SLC OPTIONS

|                         | SLC-1000           | SLC-1500                                   |
|-------------------------|--------------------|--|
| <b>Inlet Connection</b> | 3/4"NPT F          | M24 x 1.5 Flat F 3/4" or 14 NPS F (3/4 MP) |
| <b>Shaft Connection</b> | 3/4"NPT M          | M24 x 1.5 Flat M                           |
| <b>Max. Pressure</b>    | 1000 bar           | 1500 bar                                   |
| <b>Diameter</b>         | 75 mm              | 75 mm                                      |
| <b>Length</b>           | 155 mm             | 175 mm                                     |
| <b>Max. Flow</b>        | 380 lpm            | 380 lpm                                    |
| <b>Part No.</b>         | SLC-1000-34NF.34NM | SLC-1500-24FV.24MR, SLC-1500-M12F.24MR     |

#### Accessories

The DERC Salotech centralizers allow the SLC to work seamlessly with our high pressure extension arms, placing the effective water jets closer to the wall of the pipe. In addition the jetting configurations can easily be optimized with our high quality DERC Salotech inserts, to provide either more pulling power or more unplugging power.



CALL US +31 186 - 62 14 84

## DERC Speed Regulated Line Cleaner SLC

## DERC Speed Regulated Line Cleaner SLC

Scan for more info



| SLC HEAD OPTIONS       |                           |                           |                                   |                           |                           |                                   |
|------------------------|---------------------------|---------------------------|-----------------------------------|---------------------------|---------------------------|-----------------------------------|
|                        | SLC-56-12NF               | SLC-56-14NF               | SLC-57-14NF                       | SLC-66-14NF               | SLC-66-34UF               | SLC-67-14NF                       |
| <b>Off Set</b>         | 3, 5, 9, 15               | 3, 5, 9, 15               | 3, 5, 9, 15                       | 3, 5, 9, 12, 15           | 5, 9, 12, 15              | 3, 5, 9, 15                       |
| <b>Max. Pressure</b>   | 1000 bar                  | 1000 bar                  | 1000 bar                          | 1500 bar                  | 1500 bar                  | 1500 bar                          |
| <b>Connection</b>      | 6x 1/2" NPT               | 6x 1/4" NPT               | 7x 1/4" NPT                       | 6x 1/4" NPT               | 6x 3/4" UNF               | 7x 1/4" NPT                       |
| <b>Jet Angle</b>       | 2x 45°, 2x 90°<br>2x 135° | 2x 45°, 2x 90°<br>2x 135° | 1x 15°, 2x 45°<br>2x 90°, 2x 135° | 2x 45°, 2x 90°<br>2x 135° | 2x 45°, 2x 90°<br>2x 135° | 2x 15°, 2x 45°<br>2x 90°, 2x 135° |
| <b>Extension Lance</b> | SLC-56-EXT-xxx            | -                         | -                                 | -                         | SLC-66-EXT-xxx            | -                                 |
| <b>Pulling Ring</b>    | SLC-90                    | SLC-90                    | -                                 | SLC-90                    | SLC-90                    | -                                 |



| SLC EXTENSION LANCES |                   |                   |
|----------------------|-------------------|-------------------|
| SLC-1000             | TOTAL WIDTH 90 GR | TOTAL WIDTH 45 GR |
| SLC-56-EXT-050       | 190               | 146               |
| SLC-56-EXT-075       | 240               | 181               |
| SLC-56-EXT-100       | 290               | 217               |
| SLC-56-EXT-150       | 390               | 287               |
| SLC-56-EXT-200       | 490               | 358               |
| SLC-56-EXT-250       | 590               | 428               |
| SLC-56-EXT-300       | 690               | 499               |
| SLC-56-EXT-350       | 790               | 569               |
| SLC-56-EXT-400       | 890               | 640               |
| SLC-1500             | TOTAL WIDTH 90 GR | TOTAL WIDTH 45 GR |
| SLC-66-EXT-050       | 182               | 140               |
| SLC-66-EXT-075       | 232               | 175               |
| SLC-66-EXT-100       | 282               | 210               |
| SLC-66-EXT-150       | 382               | 281               |
| SLC-66-EXT-200       | 482               | 351               |
| SLC-66-EXT-250       | 582               | 422               |
| SLC-66-EXT-300       | 682               | 492               |
| SLC-66-EXT-350       | 782               | 563               |

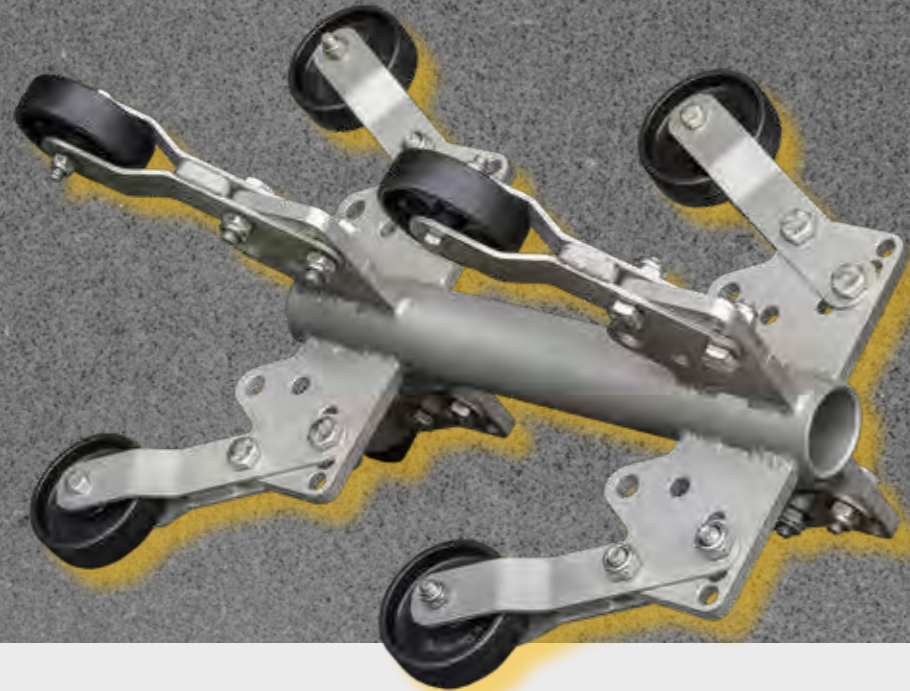


CALL US +31 186 - 62 14 84

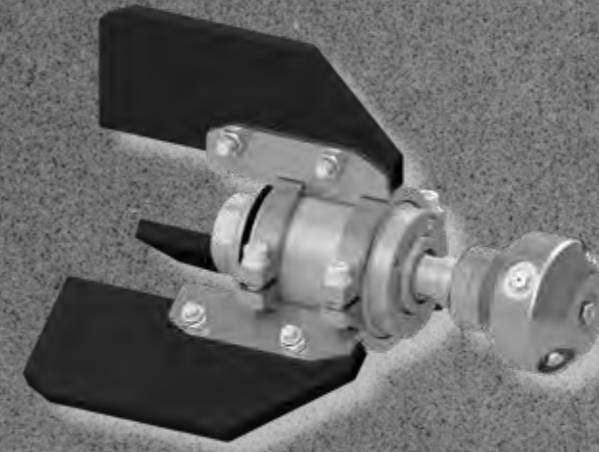
# DERC Centralizers CENT 8W / SPC / 6-8-10

DERC Centralizers **CENT 8W / SPC / 6-8-10**

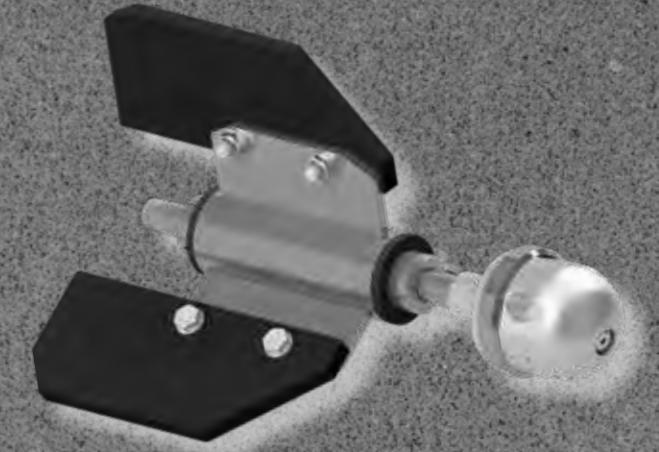
Scan for more info



CENT-8W-S



CENT 6-8-10



CENT SPC

## CENTRALIZING YOUR NOZZLE IN PIPES

DERC Salotech designed centralizers to centre the rotating nozzle within the pipe, thus protecting the nozzle and the pipe walls and ensuring the best cleaning result.

### CENT 6-8-10 / CENT 8W

Two models of centralizers are available for the SLC (see page 38):

- CENT 6-8-10
- CENT 8W

These centralizers allow the tools to work in bigger diameter pipe lines, drums, shells or columns.

The centralizers assure a good, consistent cleaning, correct jet distance to the pipe wall and guide the SLC through any bends or ducts.

The CENT 8W can also be used with any other tool (besides the SLC) where a centralizer is needed.

### FEATURES

- Heavy duty stainless steel construction
- Easy to mount
- Protecting nozzles and pipe walls
- Optimize cleaning results

### APPLICATION

- Centralizing SPC / SLC nozzles in pipes

### CENT SPC

To centre the SPC within small lines, we offer a short stainless steel centralizer. This complete kit for three different diameters (6-8-10") is easy to adjust to another diameter by switching out the plastic fins.

### CENT 6-8-10

| Model       | Range Inside Pipe Diameter    | Rotating Nozzle |
|-------------|-------------------------------|-----------------|
| CENT 6-8-10 | 6" / 8" / 10" (DN150 - DN250) | SLC             |

### CENT 8W

| Model      | Range Inside Pipe Diameter | Rotating Nozzle |
|------------|----------------------------|-----------------|
| CENT-8W-XL | 35" - 56" (DN885 - DN1438) | SLC             |
| CENT-8W-L  | 26" - 40" (DN660 - DN1000) | SLC             |
| CENT-8W-M  | 22" - 30" (DN550 - DN750)  | SLC             |
| CENT-8W-S  | 12" - 20" (DN300 - DN500)  | SLC             |

### CENT SPC

| Model         | Connection | Max. Pressure | Rotating Nozzle |
|---------------|------------|---------------|-----------------|
| CENT-SPC-38NM | 3/8" NPT M | 1000 bar      | SPC-M           |
| CENT-SPC-24M  | M24x1.5 M  | 1500 bar      | SPC-M / SPC-L   |
| CENT-SPC-12NM | 1/2" NPT M | 1000 bar      | SPC-L           |
| CENT-SPC-36M  | M36x2 M    | 1500 bar      | SPC-L           |
| CENT-SPC-H9LM | 9/16" HP   | 3000 bar      | SPC-UH          |

# DERC Speed Regulated Pipe Cleaner SPC

## DERC Speed Regulated Pipe Cleaner SPC

Scan for more info



### CLEANING INDUSTRIAL PIPES WITH MULTIPLE ELBOWS

The DERC Speed Regulated Pipe Cleaner (SPC) is developed for high pressure water jet cleaning of bended pipes. The nozzles of this industrial pipe cleaner are water driven and suitable for working pressures up to 1500 Bar.

#### Rotation Speed Control

All SPC nozzles are equipped with an easy adjustable rotation speed control and are provided with a hardened protection ring. The compact, stainless steel design ensures that this nozzle can unplug, polish or run longer lines without any problem.

#### Three Sizes: SPC-S, SPC-M and SPC-L

The rotating speed can be adjusted, depending on the level of deposit. DERC SPC is available in three sizes: SPC-S, SPC-M and SPC-L. The SPC-L is designed and constructed for waterblast cleaning of industrial pipes as small as 6" with elbows and up. The SPC-M is for cleaning 4" pipes. And the SPC-S is made for the same work in pipes as small as 2" with elbows.

#### FEATURES

- 2" - 4" - 6" model
- Compact and short design
- Adjustable rotation speed by an adjusting nut
- Long life of high pressure seals
- Max. working pressure 1500 Bar/ 22K
- One type of oil for each model
- Optional storage case

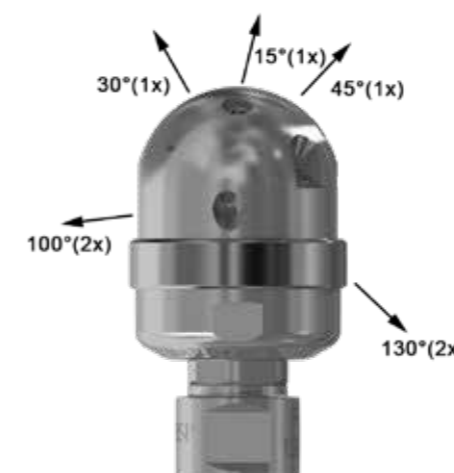
#### APPLICATIONS

- Cleaning pipes with multiple elbows

#### SPC Storage Case

To securely transport your SPC we provide an (optional) storage case.

| SPC-S            |                            |  |
|------------------|----------------------------|--|
| Max. Pressure    | 1000 bar / 15K             | 1500 bar / 22K   |
| Flow             | 30 - 50 l/min / 8-13gpm    | 30 - 50 l/min / 8-13gpm                                |
| Inlet Connection | 1/4" NPT F                 | 1/4" BSP, 3/8" UNF LH<br>3/8" UNF RH, 9/16" UNF LH/RHF |
| Rotation Speed   | 100 - 300 RPM (adjustable) | 100 - 300 RPM (adjustable)                             |
| Pipe Sizes       | 2" - 4" (DN50 - DN100)     | 2" - 4" (DN50 - DN100)                                 |
| Inserts          | 7 x M4 (046.xxx)           | 7 x M4 (046.xxx)                                       |
| Diameter         | Ø 35 mm                    | Ø 35 mm  |



#### Centralizer

The DERC SPC Centralizer makes it possible to centre the DERC SPC-M and SPC-L. This is protecting the rotating nozzle and for achieving the best cleaning result.

#### SPC Toolkit

The DERC SPC comes with a special tool for manual setting of the braking / speed adjustment.

## DERC Speed Regulated Pipe Cleaner SPC

## DERC Speed Regulated Pipe Cleaner SPC

Scan for more info



| SPC-M            |                           |  |
|------------------|---------------------------|--|
| Max. Pressure    | 1000 bar / 15K            | 1500 bar / 22K                             |
| Flow             | 50 - 115 l/min / 13-30gpm | 50 -100 l/min / 13-26gpm                   |
| Inlet Connection | 3/8" NPT F                | M24 x 1.5 DKOS, 3/4" type M, 3/4" 16 UNF M |
| Rotation Speed   | 50-300 RPM (adjustable)   | 50-300 RPM (adjustable)                    |
| Pipe Sizes       | 4" - 8" (DN100 - DN200)   | 4" - 8" (DN100 - DN200)                    |
| Inserts          | 5 x 1/8" NPT (DI 18.xxx)  | 5 x 1/8" NPT (DI 18.xxx)                   |
| Diameter         | Ø 69 mm                   | Ø 69 mm                                    |

| SPC-L            |                                |   |
|------------------|--------------------------------|---|
| Max. Pressure    | 1000 bar / 15K                 | 1500 bar / 22K                                  |
| Flow             | 55 - 210 l/min / 14.5- 55.5gpm | 50 -170 l/min / 13 - 45gpm                      |
| Inlet Connection | 1/2" NPT F                     | M24 x 1.5 DKOS, M36 x 2 DKOS 9/16" MPF (13/16") |
| Rotation Speed   | 50-300 RPM (adjustable)        | 50-300 RPM (adjustable)                         |
| Pipe Sizes       | 6" - 12" (DN150 - DN300)       | 6" - 12" (DN150 - DN300)                        |
| Inserts          | 5 x 1/4" NPT (DSI 14.xxx)      | 5 x 1/4" NPT (DSI 14.xxx)                       |
| Diameter         | Ø 95 mm                        | Ø 95 mm   |



# DERC Speed Regulated Pipe Cleaner SPC-UH

## DERC Speed Regulated Pipe Cleaner SPC-UH

Scan for more info



### Connections

The DERC SPC-UH is available with 3/4" UNF F (3/8" HP, H6) and 7/8" UNF M connection. For both these types we offer thermoplastic hoses of SpirStar to keep the complete assembly as short as possible.

### 3/4" UNF F

| Part No.          | SPC-UH-H6F-R4 | SPC-UH-H6F-R6 | SPC-UH-H6F-R8.5 |
|-------------------|---------------|---------------|-----------------|
| Max. Pressure     | 3000 bar      | 3000 bar      | 3000 bar        |
| Pressure 2500 bar | 35/55 l/min   | 25-35 l/min   | 17-25 l/min     |
| Pressure 2800 bar | 35/50 l/min   | 25-35 l/min   | 17-25 l/min     |
| Pressure 3000 bar | 35/50 l/min   | 25-35 l/min   | 17-25 l/min     |
| Inlet Connection  | 3/4" UNF F    | 3/4" UNF F    | 3/4" UNF F      |
| Rotation Speed    | 100-500 rpm   | 100-500 rpm   | 100-500 rpm     |
| Inserts           | 5 x 965.xxx   | 5 x 965.xxx   | 5 x 965.xxx     |
| Length            | 114 mm        | 114 mm        | 114 mm          |
| Diameter          | 70 mm         | 70 mm         | 70 mm           |
| Weight            | 1,65 kg       | 1,65 kg       | 1,65 kg         |
| Max. Temp. Med.   | 80°C          | 80°C          | 80°C            |

### 7/8" UNF M

| Part No.          | SPC-UH-78UHM-R4 | SPC-UH-78UHM-R6 | SPC-UH-78UHM-R8.5 |
|-------------------|-----------------|-----------------|-------------------|
| Max. Pressure     | 3000 bar        | 3000 bar        | 3000 bar          |
| Pressure 2500 bar | 35-55 l/min     | 25-35 l/min     | 17-25 l/min       |
| Pressure 2800 bar | 35-50 l/min     | 25-35 l/min     | 17-25 l/min       |
| Pressure 3000 bar | 35-50 l/min     | 25-35 l/min     | 17-25 l/min       |
| Inlet Connection  | 7/8" UNF M      | 7/8" UNF M      | 7/8" UNF M        |
| Rotation Speed    | 100-500 rpm     | 100-500 rpm     | 100-500 rpm       |
| Inserts           | 5 x 965.xxx     | 5 x 965.xxx     | 5 x 965.xxx       |
| Length            | 133 mm          | 133 mm          | 133 mm            |
| Diameter          | 70 mm           | 70 mm           | 70 mm             |
| Weight            | 1,75 kg         | 1,75 kg         | 1,75 kg           |
| Max. Temp. Med.   | 80°C            | 80°C            | 80°C              |

## CLEANING PIPES WITH MULTIPLE ELBOWS UP TO 3000 BAR / 43K

The SPC-UH nozzles have a working pressure up to 3000 bar and are provided with a hardened protection ring.

### Modular Design

The high pressure swivel with the adjustable break and the nozzle head are modular, in two parts. This design enables SPC-UH nozzle assemblies with different nozzle heads (R size) to suit your high pressure pump capacity.

### Adjustable rotation speed

The rotation speed can easily be adjusted by hand (spanner) to adjust the SPC-UH tool for each application. The SPC-UH is designed and constructed for waterblast cleaning of pipes as small as 4" with elbows.

### Centralizer

The DERC SPC Centralizer makes it possible to centre the DERC SPC-UH, thus protecting the rotating nozzle and achieve the best cleaning result.

### FEATURES

- Heavy duty stainless steel construction
- Short and robust design
- Adjustable rotation speed by an adjusting nut
- Unique versatile tool due to modular design
- Low maintenance
- Long life of high pressure seals

### APPLICATION

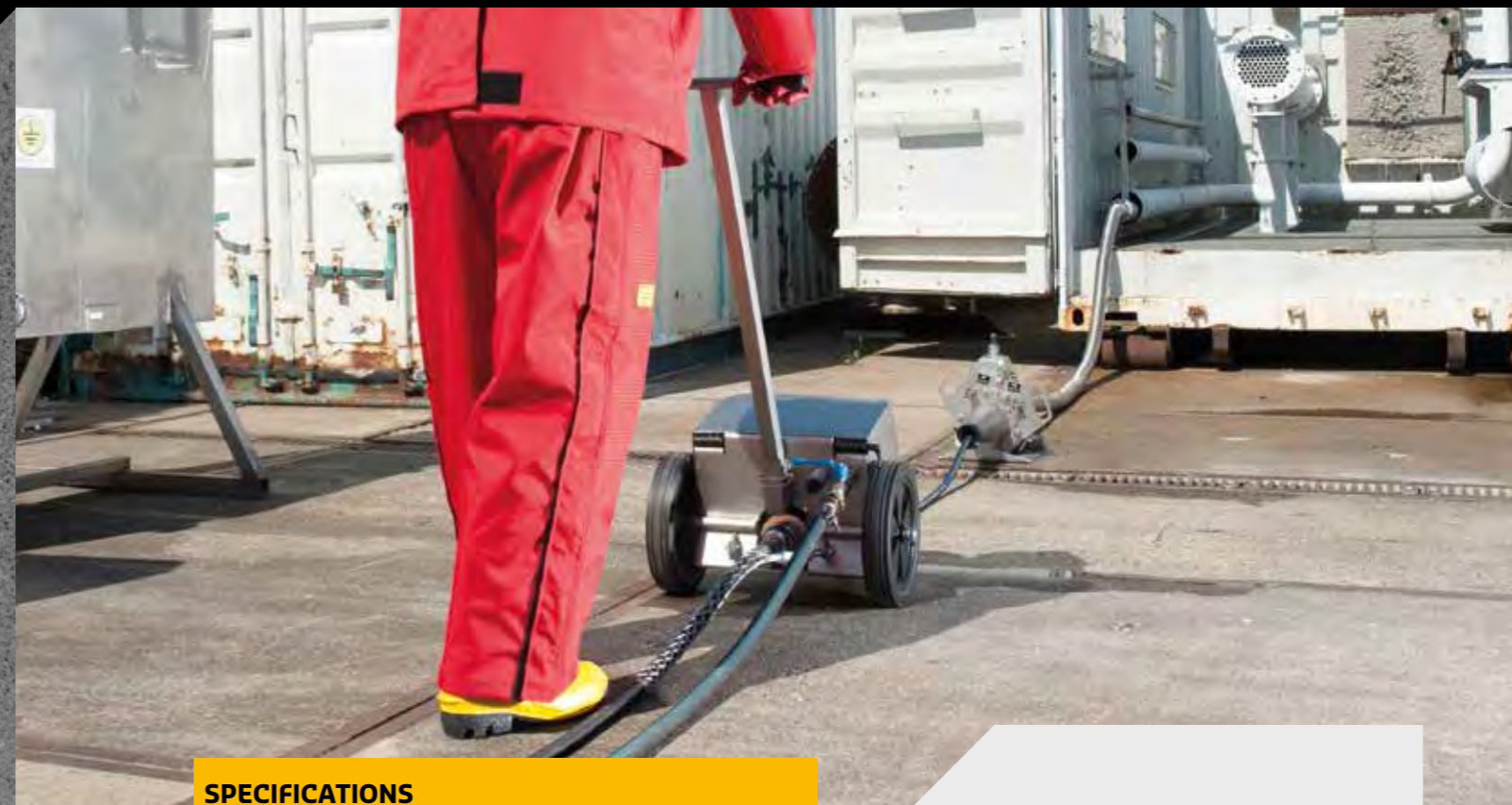
- UHP Cleaning of bended pipes as small as 4" with multiple elbows

CALL US +31 186 - 62 14 84

# DERC RotoCar Cleaning System

## DERC RotoCar Cleaning System

Scan for VIDEO



### CLEANING COMPLEX, BENDED AND LONG PIPE LINES WITH HIGH OPERATOR SAFETY

The DERC RotoCar Cleaning System is developed to remove difficult scales and incrustations on the inside of tubes or pipelines in a very fast and highly efficient way, with extremely high safety standards for the operator. We offer a 1500 and 3000 bar version.

#### How Does It Work?

The DERC RotoCar unit rotates a rubber high pressure hose. The rotation is done by an air motor. The "feed mechanism" will feed or pull the hose automatically in or out of the tube. The speed of the high pressure hose is manually adjustable for optimal cleaning results with different applications.

#### Rotate, Push & Pull

The RotoCar rotates a high pressure hose by means of a swivel, gearbox and air engine. The rotating hose runs through the feeder unit which pushes or pulls the high pressure hose in or out of the tube. The RotoCar is equipped with a slip coupling which ensures that the high pressure hose can only rotate while it is on pressure.

#### FEATURES

- 1500 or 3000 bar version
- Fast and highly efficient cleaning of pipes
- High operator safety
- Automatic feed and pull of hose
- Speed of hose feed and pull adjustable

#### APPLICATIONS

- Cleaning inside of tubes or pipelines
- Cleaning the most complex, bended and longest pipe line constructions
- Also suitable for large diameter pipes
- Remove difficult scales and incrustations

#### SPECIFICATIONS

|                                 |   |
|---------------------------------|---|
| <b>Max. Pressure</b>            | 1500 or 3000 bar  |
| <b>Max. Flow</b>                | 380 lpm (1500 bar) or 140 lpm (3000 bar)                  |
| <b>Hose Connection 1500 bar</b> | M24 x 1.5 DKOS male, M36 x 2 DKOS male (inlet and outlet) |
| <b>Hose Connection 3000 bar</b> | 9/16" HP  |
| <b>Rotating Speed</b>           | Adjustable from 20 till 300 rpm                           |
| <b>Length Protecting Hose</b>   | 3 m (10 ft)   |
| <b>Weight</b>                   | Approximate 65 kg   |

#### Adjustable Speed

The speed of the high pressure hose is manually adjustable for optimal cleaning result with different applications. To insert the hose in the middle of the tube an adjustable clamping device is mounted on the front of the tube or pipe. To prevent damage to the rotating hose, there is a 2" or 3" stainless steel flexible tube mounted between the clamp device and the feed mechanism.

#### RotoCar Nozzles

The rotating hose in combination with our special nozzle range ensures a perfect cleaning effect and is suitable for cleaning the most complex, bended and longest pipe line constructions. We offer RotoCar nozzles for the 1500 and 3000 bar versions.



# DERC Rotary Coupling Swivel RCS-UHS

## DERC Rotary Coupling Swivel RCS-UHS

Scan for more info



### RCS-UHS OPTIONS

| Inlet Connection      | Shaft Connection          | Diameter | Length | Max. Pressure | Max. Flow | Part No.          |
|-----------------------|---------------------------|----------|--------|---------------|-----------|-------------------|
| M30 X 2 F             | M14 x 1.5 LH M            | 45 mm    | 165 mm | 3000 bar      | 75 lpm    | RCS-UHS-M14       |
| 1 1/8" - 12 UNF F     | 9/16"- 18 UNF LH M        | 45 mm    | 165 mm | 3000 bar      | 75 lpm    | RCS-UHS-916HP     |
| 1 1/8" - 12 UNF F 90° | 9/16"- 18 UNF LH M        | 45 mm    | 180 mm | 3000 bar      | 75 lpm    | RCS-UHS-916HP 90° |
| 1 1/8" - 12 UNF F     | 9/16"- 18 UNF LH M (long) | 45 mm    | 200 mm | 3000 bar      | 75 lpm    | RCS-UHS-L-916HP   |

### MAINTENANCE KITS

| Description | Part No.    |
|-------------|-------------|
| Minor kit   | RCS-UHS-100 |
| Major kit   | RCS-UHS-300 |
| Tool kit    | RCS-44-500  |



## RUGGED DESIGN, EASY TO MAINTAIN

DERC RCS Ultra High pressure Swivels are designed to transport high pressure water from a stationary line to a rotating or twisting assembly.

### Rugged Design

Heavy duty bearings, low torque rotation and the rugged design make the RCS-UHS suitable for many applications.



### FEATURES

- Unique, improved and easy to maintain
- Available with various connections
- Heavy duty, stainless steel construction
- Low static torque for easy rotation
- 0° or 90° inlet connection
- Up to 2000 RPM
- Metric and UNF connections

### APPLICATIONS

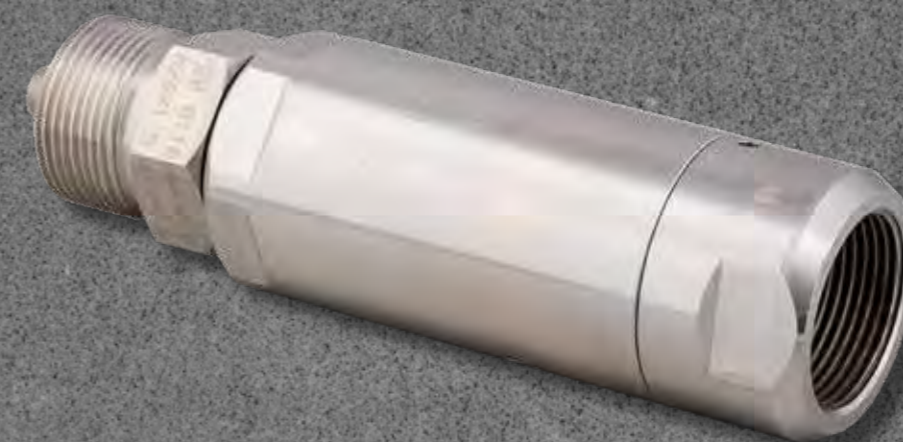
- Hose reels
- Automated systems and solutions
- Lance cleaning systems

CALL US +31 186 - 62 14 84

# DERC Rotary Coupling Swivel RCS-UHS Mini

## DERC Rotary Coupling Swivel RCS-UHS Mini

Scan for more info



### RUGGED DESIGN, EASY TO MAINTAIN

DERC RCS Ultra High pressure Swivels are designed to transport high pressure water from a stationary line to a rotating or twisting assembly.

#### Up To 3000 Bar

The RCS-UHS Mini is specially designed for water jetting guns with maximum pressure up to 3000 bar.

#### FEATURES

- Heavy duty stainless steel construction
- Up to 3000 bar working pressure
- Up to 2000 RPM
- Low maintenance
- Metric and UNF connections
- Lightweight and compact
- Low torque, easy to rotate

#### APPLICATIONS

- High pressure guns

#### RCS-UHS MINI OPTIONS

| Inlet Connection | Shaft Connection    | Diameter | Length | Max. Pressure | Max. Flow | Part No.                    |
|------------------|---------------------|----------|--------|---------------|-----------|-----------------------------|
| M26 x 1.5 F      | M14 x 1.5 LH M      | 35 mm    | 125 mm | 3000 bar      | 25 lpm    | RCS-UHS-MI-NI.26F.M14ML     |
| M26 x 1.5 F      | 9/16" - 18 UNF LH M | 35 mm    | 135 mm | 3000 bar      | 25 lpm    | RCS-UHS-MI-NI.26F.916UML    |
| M26 x 1.5 F 90°  | M14 x 1.5 LH M      | 35 mm    | 138 mm | 3000 bar      | 25 lpm    | RCS-UHS-MI-NI.26F.M14ML-90  |
| M26 x 1.5 F 90°  | 9/16" - 18 UNF LH M | 35 mm    | 148 mm | 3000 bar      | 25 lpm    | RCS-UHS-MI-NI.26F.916UML-90 |

#### MAINTENANCE KITS

| Description | Part No.         |
|-------------|------------------|
| Minor kit   | RCS-UHS-MINI-100 |
| Major kit   | RCS-UHS-MINI-300 |
| Tool kit    | RCS-44-500       |

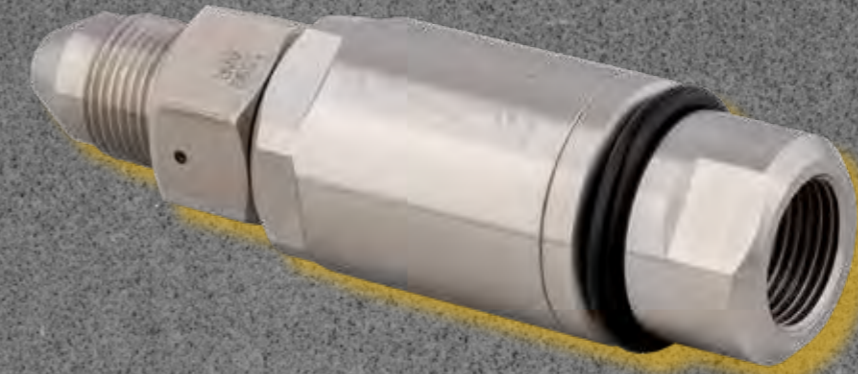


CALL US +31 186 - 62 14 84

# DERC Rotary Coupling Swivel RCS Mini

## DERC Rotary Coupling Swivel RCS Mini

Scan for more info



### RCS MINI OPTIONS

| Inlet Connection | Shaft Connection | Diameter | Length | Max. Pressure | Max. Flow | Part No.          |
|------------------|------------------|----------|--------|---------------|-----------|-------------------|
| 1/2" NPT F       | 1/2" NPT M       | 35 mm    | 115 mm | 1000 bar      | 80 lpm    | RCS-MINI-12NMF    |
| M24 x 1.5 DKOS M | 1/2" BSP MV      | 35 mm    | 125 mm | 1500 bar      | 80 lpm    | RCS-MINI-24M-12MV |
| M24 x 1.5 DKOS M | M22 x 1.5 MV     | 35 mm    | 125 mm | 1500 bar      | 80 lpm    | RCS-MINI-24M-22MV |
| 13/16"-16 UN F   | 13/16"-16 UNF M  | 35 mm    | 120 mm | 1500 bar      | 80 lpm    | RCS-MINI-916MP    |
| M24 x 1.5 DKOS M | 1/2" NPT M       | 35 mm    | 125 mm | 1000 bar      | 80 lpm    | RCS-MINI-24M.12NM |
| M24 x 1.5 DKOS M | 1/2" NPT F       | 35 mm    | 135 mm | 1000 bar      | 80 lpm    | RCS-MINI-24M.12NF |
| M24 x 1.5 DKOS   | M26 x 1.5        | 35 mm    | 132 mm | 1500 bar      | 80 lpm    | RCS-MINI-24M-M26M |

### MAINTENANCE KITS

| Description | Part No.     |
|-------------|--------------|
| Minor kit   | RCS-MINI-100 |
| Major kit   | RCS-MINI-300 |
| Tool kit    | RCS-44-500   |

## THE COMPACT SWIVEL FOR ANY GUN UP TO 1500 BAR

The DERC RCS-mini swivels are a complete range of swivels specially designed for jetting guns up to 1500 bar.



### FEATURES

- Available with various connections
- Compact and lightweight
- Low torque, easy to rotate and low maintenance
- Small in diameter, easy to fit in combination with a hose sleeve
- Up to 600 RPM
- NPT, metric and UNF connections

### APPLICATIONS

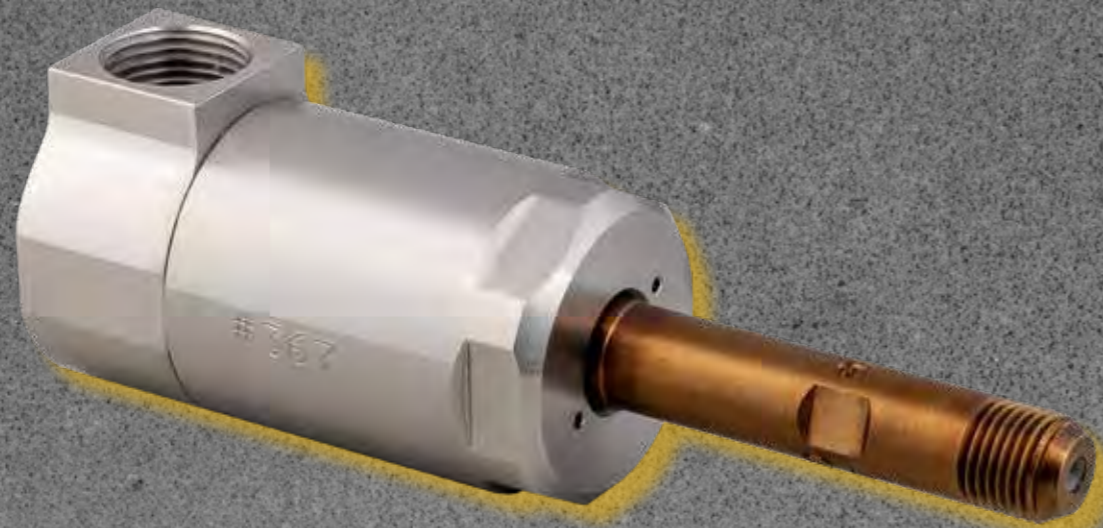
- Easy hose handling
- Prevents hose twisting
- Fits any gun



# DERC Rotary Coupling Swivel RCS-44

## DERC Rotary Coupling Swivel RCS-44

Scan for  
more info



### RCS-44 OPTIONS

| Inlet Connection | Shaft Connection | Diameter | Length | Max. Pressure | Max. Flow | Part No.         |
|------------------|------------------|----------|--------|---------------|-----------|------------------|
| 1/2" NPT F       | 1/4" NPT M       | 44 mm    | 115 mm | 1000 bar      | 140 lpm   | RCS-44-12NF.14NM |
| 13/16" UNF F     | 9/16" UNF LH M   | 44 mm    | 155 mm | 1500 bar      | 100 lpm   | RCS-44-916MP     |
| 13/16" UNF F 90° | 9/16" UNF LH M   | 44 mm    | 150 mm | 1500 bar      | 100 lpm   | RCS-44-916MP-90° |

### MAINTENANCE KITS

| Description               | Part No.        |
|---------------------------|-----------------|
| Major kit RCS-44 1500 bar | RCS-44-1500-300 |
| Minor kit RCS-44 1500 bar | RCS-44-1500-100 |
| Major kit RCS-44 1000 bar | RCS-44-300      |
| Minor kit RCS-44 1000 bar | RCS-44-100      |
| Tool kit RCS-44           | RCS-44-500      |



## LOW MAINTENANCE, EASY TO MAINTAIN

DERC RCS-44 swivels are designed to transport high pressure water from a stationary line to a rotating or twisting assembly. They feature replaceable seals, heavy duty ball bearings, a stainless steel construction and a low static torque for easy rotation.

### Low Maintenance

The DERC RCS-44 swivels are low maintenance due to life lubricated bearings, no need to add grease. They are installed as standard equipment on our lancing machines and are available with either 0° or 90° inlets.



### FEATURES

- Replaceable seals
- Lifetime lubricated ball bearings
- Low static torque for easy rotation
- Stainless steel construction
- 0° or 90° inlet connection
- Common metric wrench sizes
- NPT, metric and UNF threadings available
- Up to 600 RPM

### APPLICATIONS

- Lancing machines
- Hose reels
- Rotating equipment

CALL US +31 186 - 62 14 84

# DERC Rotary Coupling Swivel RCS-75

## DERC Rotary Coupling Swivel RCS-75

Scan for more info



### RUGGED DESIGN, EASY TO MAINTAIN

DERC RCS-75 swivels are designed to transport high pressure water from a stationary line to a rotating or twisting assembly. Heavy duty ball bearings, low torque rotation and the rugged design make the DERC RCS-75 suitable for many applications.

The swivels are low maintenance due to life lubricated bearings, no need to add grease. Available with either 0° or 90° inlets. Standard speed is up to 600 RPM. We also offer a high speed version with a speed up to 2000 RPM.



#### FEATURES

- Unique, improved and easy to maintain seal
- Lifetime lubricated bearings
- Multiple inlet options available
- Heavy duty stainless steel construction
- 0° or 90° inlet connection
- Common metric wrench sizes
- Available in metric, UNF and NPT threading
- Up to 600 RPM
- High Speed version up to 2000 RPM

#### APPLICATIONS

- Hose reels
- Automated systems and solutions
- Prevention of hose twist in large lines



#### RCS-75 OPTIONS

| Inlet Connection  | Shaft Connection   | Diameter | Length | Max. Pressure | Max. Flow | Part No.              |
|-------------------|--------------------|----------|--------|---------------|-----------|-----------------------|
| M24 x 1.5 F       | M24 x 1.5 M        | 75 mm    | 150 mm | 1500 bar      | 400 lpm   | RCS-75-24FV.24MV      |
| M24 x 1.5 F 90°   | M24 x 1.5 M        | 75 mm    | 150 mm | 1500 bar      | 400 lpm   | RCS-75-24FV.24MV 90°  |
| 3/4" NPT F        | 3/4" NPT M         | 75 mm    | 150 mm | 1000 bar      | 400 lpm   | RCS-75-34NF.34NM      |
| 3/4" NPT F        | M24 x 1.5 M        | 75 mm    | 150 mm | 1000 bar      | 400 lpm   | RCS-75-34NF.24MV      |
| 3/4" NPT F 90°    | 3/4" NPT M         | 75 mm    | 150 mm | 1000 bar      | 400 lpm   | RCS-75-34NF.34NM 90°  |
| M24 x 1.5 M       | M24 x 1.5 M        | 75 mm    | 180 mm | 1500 bar      | 400 lpm   | RCS-75-24M.24MV       |
| M36 x 2 M         | M24 x 1.5 M        | 75 mm    | 200 mm | 1500 bar      | 400 lpm   | RCS-75-36M.24MV       |
| 3/4" - 14 NPS     | 3/4" UNF M LH      | 75 mm    | 154 mm | 1500 bar      | 400 lpm   | RCS-75-M12F. M12M     |
| 3/4" - 14 NPS 90° | 3/4" UNF M LH      | 75 mm    | 154 mm | 1500 bar      | 400 lpm   | RCS-75-M12F. M12M 90° |
| M24 x 1.5 M       | M24 x 1.5 M (long) | 75 mm    | 225 mm | 1500 bar      | 400 lpm   | RCS-75-24FV.24MV-L    |

#### MAINTENANCE KITS

| Description              | Part No.    |
|--------------------------|-------------|
| Major kit RCS75 1500 bar | RCS-75-300  |
| Minor kit RCS75 1500 bar | RCS -75-100 |
| Tool kit RC-S75 / SLC    | RCS-SLC-500 |



# DERC Mini Turret



## DERC Mini Turret

Scan for more info



### THE PERFECT SOLUTION FOR CLEANING CONFINED SPACES, TANKS OR REACTORS

The DERC Mini Turret is an easy to install tool for automated cleaning of tanks or confined spaces. The base of the tool is a flanged base plate with on top the automated jetting arm. The jetting arm of the Mini Turret is designed in a way that it can move up/down, rotation +/- , nozzle up/down or oscillation. This allows the realisation of a 3D cleaning effect.

#### Light Weight Version or Stainless Steel

The Mini Turret can be supplied in an aluminium light weight version or in stainless steel. The stainless steel version is suitable to work both with high pressure or for chemicals.

#### Easy Operation

For easy operation the Mini Turret can be equipped with a camera system and monitor. The camera's are installed on the jetting arm, one near the flange and one next to the nozzle.

#### FEATURES

- Mini tank canon for cleaning confined spaces
- Air driven
- Unique and precise positioning
- Suitable for chemical and high pressure cleaning
- Fully automatic
- 3D cleaning effect

#### APPLICATION

- Cleaning confined spaces, tanks or reactors

#### SPECIFICATIONS

|               |   |
|---------------|---|
| Max. Pressure | 1000 bar  |
| Max. Flow     | 130 lpm   |
| Flange        | 16" 3000#   |
| Reach         | 500-1500 mm under flange  |
| Drive         | Air   |
| Movements     | Nozzle 135° angle range oscillating, arm up/down, arm rotation  |
| Nozzle        | Model L/226 high speed jet  |
| Material      | Lightweight version aluminium approx. 60Kg / Stainless steel version approx. 90Kg   |
| Options       | Chemical cleaning set, swivel, nozzle manifold, automated rotation, 2 end switches installed so the Mini Turret rotates back and forth in a set angle/area, camera system |

# DERC Tank Positioning Tools

## DERC Tank Positioning Tools

Scan for more info



### POSITIONING AND FIXATE YOUR TANK CLEANING HEAD

#### DERC Positioning Tools TWK

The DERC Positioning Tools makes it easy to position and fixate your tank cleaning head inside a vessel or storage tank.

#### Three Models

The PL.10000-H-M2 comes with a hollow guide tube, to fit a high pressure hose. The PL.20000-L is equipped with a high pressure rigid lance. The FPK-TWK-24" is designed to position the tank cleaning head through a 24" manhole.

#### Compatible Tank Cleaning Heads

DERC Salotech offers a full range of compatible Aquamat and Bolondi high pressure tank cleaning heads.

#### FEATURES POSITIONING TOOLS

- Inspection cover
- Stainless steel construction
- Place at an angle

#### APPLICATION

- Tank or vessel cleaning

#### POSITIONING TOOL PL.10000-H-M2

| Max. Pressure     | Model Lance     | Angle  | Diameter Flange | Connections   |
|-------------------|-----------------|--------|-----------------|---|
| Depending on hose | Max. 8 m length | 2x 45° | 650 mm          | Bronze guide bush on both sides, to protect the high pressure hose. |

#### POSITIONING TOOL PL.20000-L

| Max. Pressure | Model Lance                             | Angle  | Diameter Flange | Connections   |
|---------------|---|--------|-----------------|---|
| 1500 bar      | 1" high pressure lance, max. 6 m length | 2x 45° | 450 mm          | 1" BSP cleaning head, o-ring sealing on both sides. Nipples for all different tank cleaning units and hose connections. |

#### SANDWICH LANCE SPL

| Max. Pressure | Model Lance                             | Available Length            | Connections                              |
|---------------|---|-----------------------------|--|
| 1500 bar      | 1" high pressure lance, max. 6 m length | 1, 2, 3, 4, 5, and 6 meters | M36x2 DKOS Female Swivel Nut with O-ring |

# Tank Cleaning Heads



## HEADS FOR INTERNAL TANK AND VESSEL CLEANING

### A Complete Range

DERC Salotech offers a range of tank cleaning heads, including solutions from Hammelmann and Bolondi, fully compatible with our tank positioning tools to maximize reach, control, and operational efficiency.

### Efficient Solution

Tank cleaning heads provide a powerful and efficient solution for the internal cleaning of tanks and vessels in demanding industrial environments. Using high-pressure rotating jets, they deliver consistent 360° coverage, quickly removing stubborn residues while reducing cleaning time and downtime.

### FEATURES

- High pressure rotating jets
- 360° coverage
- Compatible with DERC positioning tools

### APPLICATION

- Tank or vessel cleaning

CALL US +31 186 - 62 14 84

## Tank Cleaning Heads

Scan for more info



**AQUAMAT L 1500 PLUS**  
 Max. pressure: 1500 bar  
 Flow rate: 300 lpm  
 Tank opening: min. Ø 130 mm



**AQUAMAT XL 1600 PLUS**  
 Max. pressure: 1600 bar  
 Flow rate: 450 lpm  
 Tank opening: min. Ø 150 mm



**AQUAMAT XXL 1600 PLUS**  
 Max. pressure: 1600 bar  
 Flow rate: 700 lpm  
 Tank opening: min. Ø 300 mm



**AQUAMAT SELECT**  
 Max. pressure: 1600 bar  
 Flow rate: 500 lpm  
 Tank opening: min. Ø 300 mm



**BOLONDI MW586A**  
 Max. pressure: 500 bar  
 Flow rate: 60 lpm  
 Tank opening: min. Ø 140 mm



**BOLONDI RW086A**  
 Max. pressure: 200 bar  
 Flow rate: 60 lpm  
 Tank opening: min. Ø 144 mm

### TANK HEAD SAFETY

Fits all common heads  
 Incl. hose grip, hose adapter,  
 Hydroblast hose and D-shackle



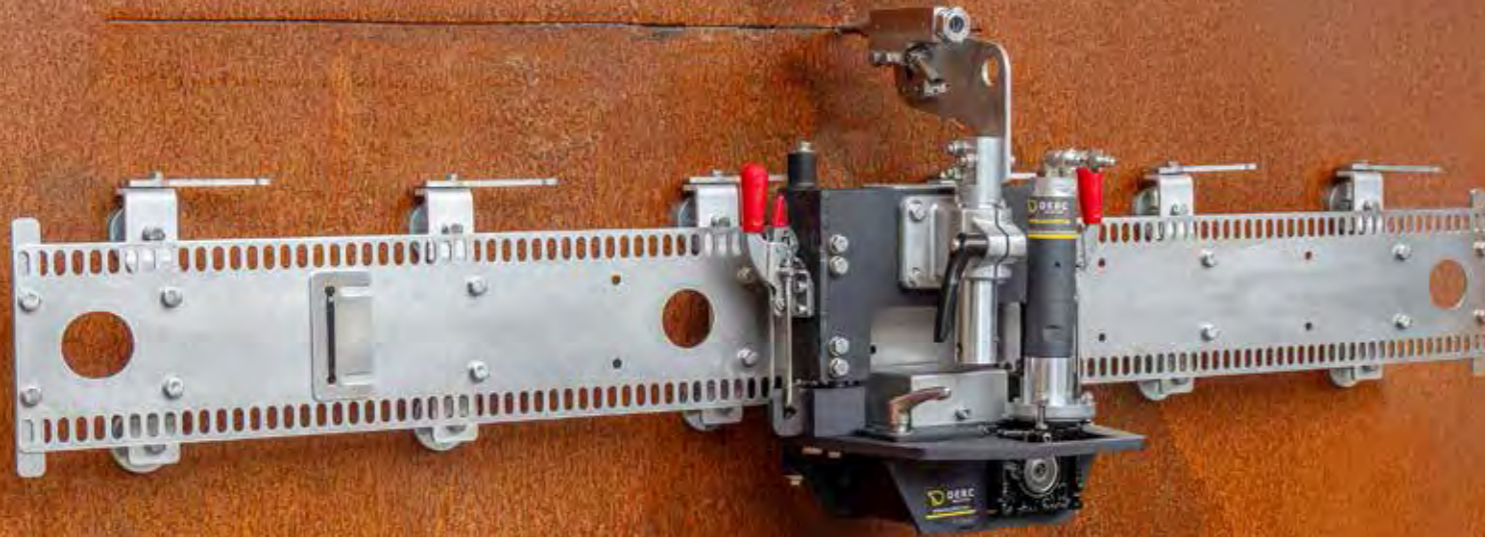
### BOLONDI XC061P

Max. pressure: 200 bar  
 Flow rate: 60 lpm  
 Tank opening: min. Ø 76 mm

# DERC Abrasive Cutting System Flexa-Jet

## DERC Abrasive Cutting System Flexa-Jet

Scan for VIDEO



### YOUR ULTIMATE FLEXIBLE SOLUTION FOR WATER JET ABRASIVE CUTTING

The Flexa-Jet Cutting System is designed for industrial cold cutting using ultra-high pressure water. This innovative system combines simplicity, accuracy, and versatility.

#### Flex-Jet Tractor

The base of the system is the Flexa-Jet Tractor, suitable for use with both the Flexa-Jet Track and Pipe Bands. It features direct drive onto the track and pipe band, ensuring continuous movement, with a standard gear that is easy to change for different speeds/ratios.



#### FEATURES

- Flexa-Jet Tractor, direct drive
- Flexa-Jet Track with vacuum pads, permanent magnets or switchable magnets
- Cutting nozzle
- Hopper with abrasive monitoring system
- Control panel

#### APPLICATIONS

- Industrial cold cutting



#### Hopper

The abrasive which runs to the cold cutting head is stored into the hopper. This hopper is dolly mounted for easy transportation on the job site. The abrasive feed rate is controlled by the abrasive monitoring device ensuring a constant well adjustable flow of abrasive. The feeding of the abrasive is done by the venturi inside the nozzle.



#### BASIC CUTTING SET

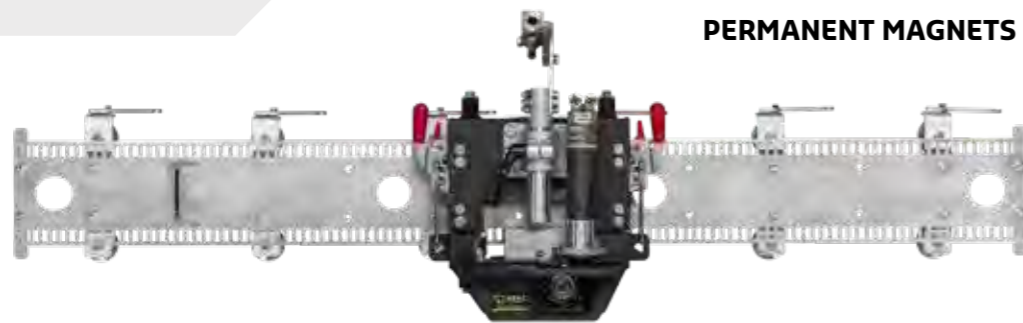
| Part No.        | Description  |
|-----------------|--|
| D.CUT.TRACK.PM  | Flexa-Jet Track direct drive - 1,5 m stainless steel spring steel with permanent magnets                                     |
| D.CUT.TRACK.SM  | Flexa-Jet Track direct drive - 1,5 m stainless steel spring steel with switchable magnets                                    |
| D.CUT.TRACK.VP  | Flexa-Jet Track direct drive - 1,5 m stainless steel spring steel with vacuum pads   |
| D.CUT.POWERHEAD | Flexa-Jet Tractor direct drive complete (air), delivered complete with cutting head holder to cut parallel and perpendicular |
| D.ABHOPPER.AS-B | Hopper assembly stainless steel trolley, complete with abrasive monitoring system and abrasive transport hose                |
| CPA-AWCS        | Control panel for abrasive cutting system, complete with 3 hoses   |
| CPA-AWCS-VAC    | Control panel for abrasive cutting system, complete with 3 hoses, for vacuum pads  |
| D.ABCUTTIN.AS   | Cutting nozzle assembly complete 3000 Bar  |

## DERC Abrasive Cutting System Flexa-Jet

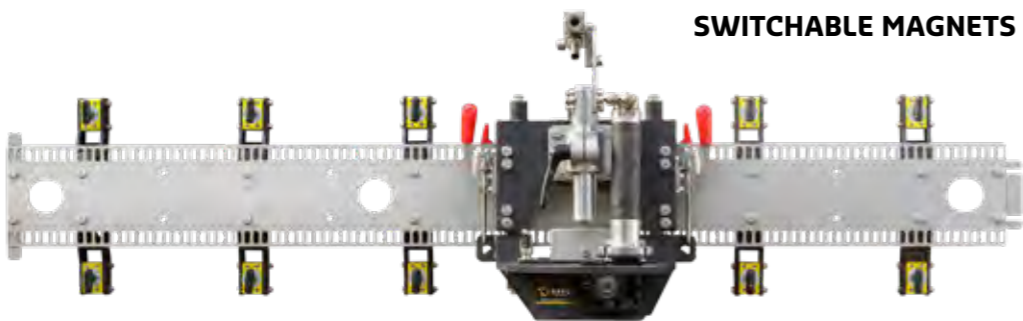
**Flexa-Jet Track**  
The Flexa-Jet Track can be attached to the steel surface by either permanent magnets, switchable magnets or vacuum pads.



**PERMANENT MAGNETS**



**SWITCHABLE MAGNETS**



**VACUUM PADS**



## DERC Abrasive Cutting System Flexa-Jet

Scan for VIDEO



**SMALL RADIUS CUTTER**

**INSIDE PIPE CUTTER**

**MANHOLE CUTTER**

**Specific Flexa-Jet Solutions**

For more specific jobs DERC Salotech delivers solutions like:

- Manhole cutter
- Inside Pipe Cutter
- Radius cutter for small diameters and or radius cutting

**SPECIFIC SOLUTIONS AND OPTIONAL ACCESSORIES**

| Part No.            | Description  |
|---------------------|--|
| D.ABMCUTTER.AS      | Manhole Cutter (air) DN450-800 with permanent magnets  |
| D.ABMCUTTER.AS-RMAG | Manhole Cutter (air) DN450-800 with releasable magnets |
| D.RADCUTTER         | Radius Cutter (air) DN50 - DN450                       |
| D.AB.IC.XX          | Inside Pipe Cutter Tool                                |
| D.ABCUTTIN.03       | Spare cone TC for cutting nozzle                       |
| D.ABCUTTIN.10       | Spare slurry nozzle TC for cutting nozzle 2,5mm        |
| D.ABCUTTIN.10.20    | Spare slurry nozzle TC for cutting nozzle 2,0mm        |
| D.ABCUTTIN.10.30    | Spare slurry nozzle TC for cutting nozzle 3,0mm        |
| 965.XXX             | HP nozzle M10 model 965                                |

# DERC Chain Manipulator Flexa-Jet

## DERC Chain Manipulator Flexa-Jet

Scan for VIDEO



NEW



### ABRASIVE CUTTING OF PIPES - FLEXIBLE & PRECISE

The Flexa-Jet Chain Manipulator is an abrasive pipe cutter, designed for cutting pipes with a minimum diameter of 168 mm.

#### Chain Manipulator

This innovative tool clamps securely around the pipe using a chain tensioning system. Once mounted, a carriage with a cutting nozzle travels along the chain, guided by a powerful air motor and gear-box, ensuring a steady, consistent cutting speed.

#### Abrasive Cutting

Cutting is performed using high-pressure water combined with abrasive, delivered through a specially designed supply hopper and nozzle that ensures accurate and efficient performance – even through the toughest materials.

#### Flexa-Jet

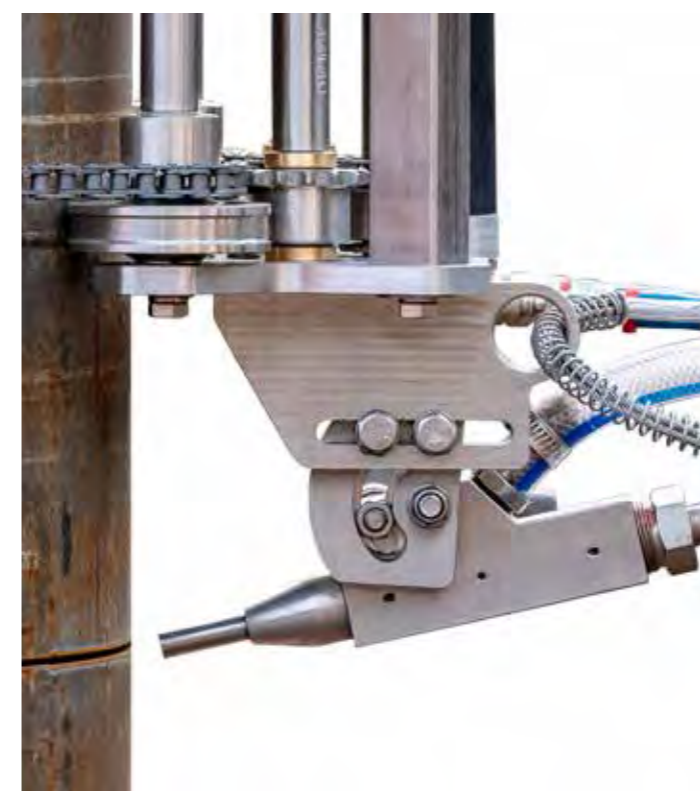
The Chain Manipulator is compatible with the existing Flexa-Jet nozzle, control panel, air prep unit, and abrasive dosing hopper.

#### FEATURES

- Chain tensioning system
- Follows the chain orientation for precise pipe cutting
- Includes a tool to align chain sections parallel for accurate cuts
- Cutting nozzle
- Compatible with Flexa-Jet control panel, air prep unit, and abrasive hopper

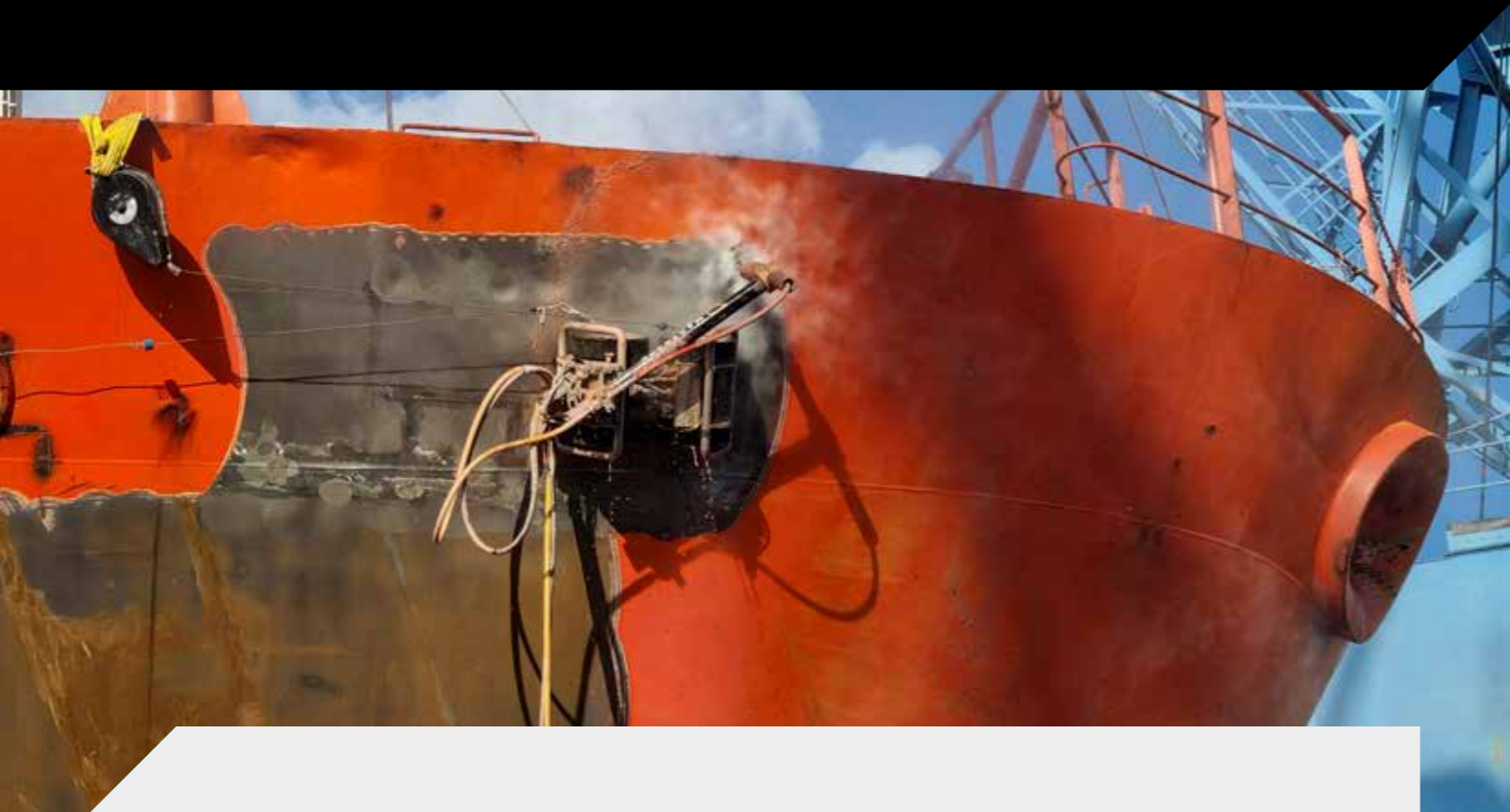
#### APPLICATIONS

- Abrasive pipe cutting



| SPECIFICATIONS     |                    |
|--------------------|--------------------|
| Dimensions         | 395 x 290 x 190 mm |
| Max. Pressure      | 3000 bar           |
| Max. Flow          | 21 lpm             |
| Connection         | 9/16" UHP (M26)    |
| Cutting Speed      | 95 - 380 rpm       |
| Cutting Angle      | 0-45°              |
| Min. Tube Diameter | ø 168,3 mm         |
| Max. Load          | ~500 N             |
| Cutting Nozzle     | D.ABCUTTIN.AS      |
| Round Jet Nozzle   | 965.xxx            |
| Weight             | 15 kg              |

# DERC MagTrack



## MODULAR MAGNETIC CRAWLER FOR SURFACE PREPARATION

The DERC MagTrack robots are magnetic crawlers, electrically driven, suitable for multi purpose applications. MagTrack is a modular system that is built around an universal carrier.

The crawlers are designed to be used on flat and curved steel surfaces. Depending on the application, the carrier can easily be fitted with a full range of modular tools, either based on water jetting or abrasive (sand)blasting. All water jetting tools work with high pressure jets up to 3000 bar.



CARRIER

CALL US +31 186 - 62 14 84

### FEATURES

- Compact design, fits through a 24" manhole
- No more scaffolding or cherry pickers
- Can be operated by one man
- Low in maintenance
- Set-up in 30 minutes
- ATEX zone II certified (water jetting)
- Remote controlled

### APPLICATIONS

- Surface preparation
- Oil storage tank cleaning
- Industrial cleaning and washing
- Cargo hold cleaning
- Abrasive blasting
- Inspection
- Waterjet cutting

## DERC MagTrack

Scan for VIDEO



TILT SWING ARM

MAGTRACK MINI

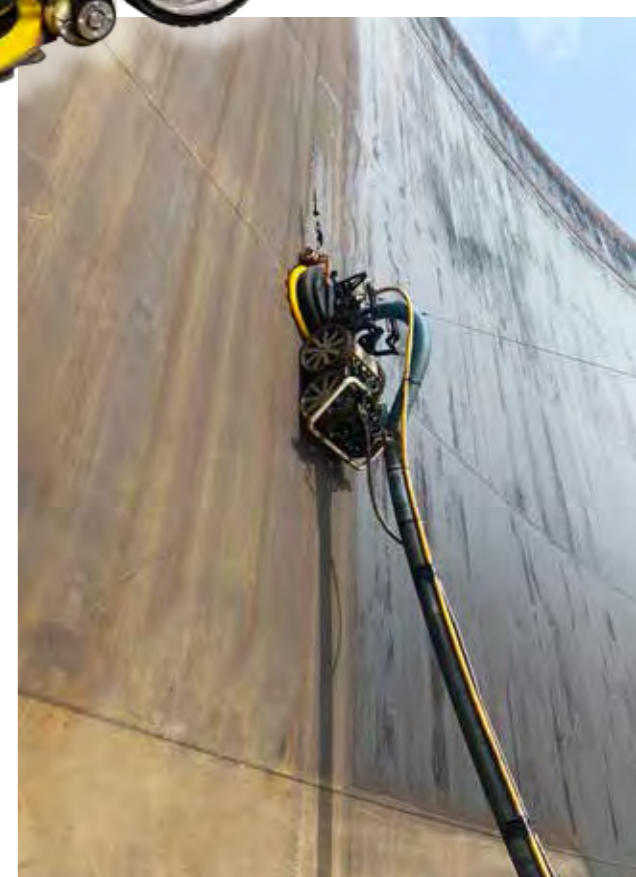
CURVED BLAST CAN



### WATER JETTING TOOLS:

- **(Tilt) Swing Arm**  
Open waterblasting for industrial (tank) cleaning and surface preparation (ship hulls for example)
- **Blast Can**  
Closed waterblasting for industrial (tank) cleaning and surface preparation (ship hulls for example)
- **Curved Blast Can (Patented)**  
Closed waterblasting for small storage tanks and highly curved surfaces
- **MagTrack Mini**  
Closed waterblasting for cleaning round/straight surfaces, easy to transport

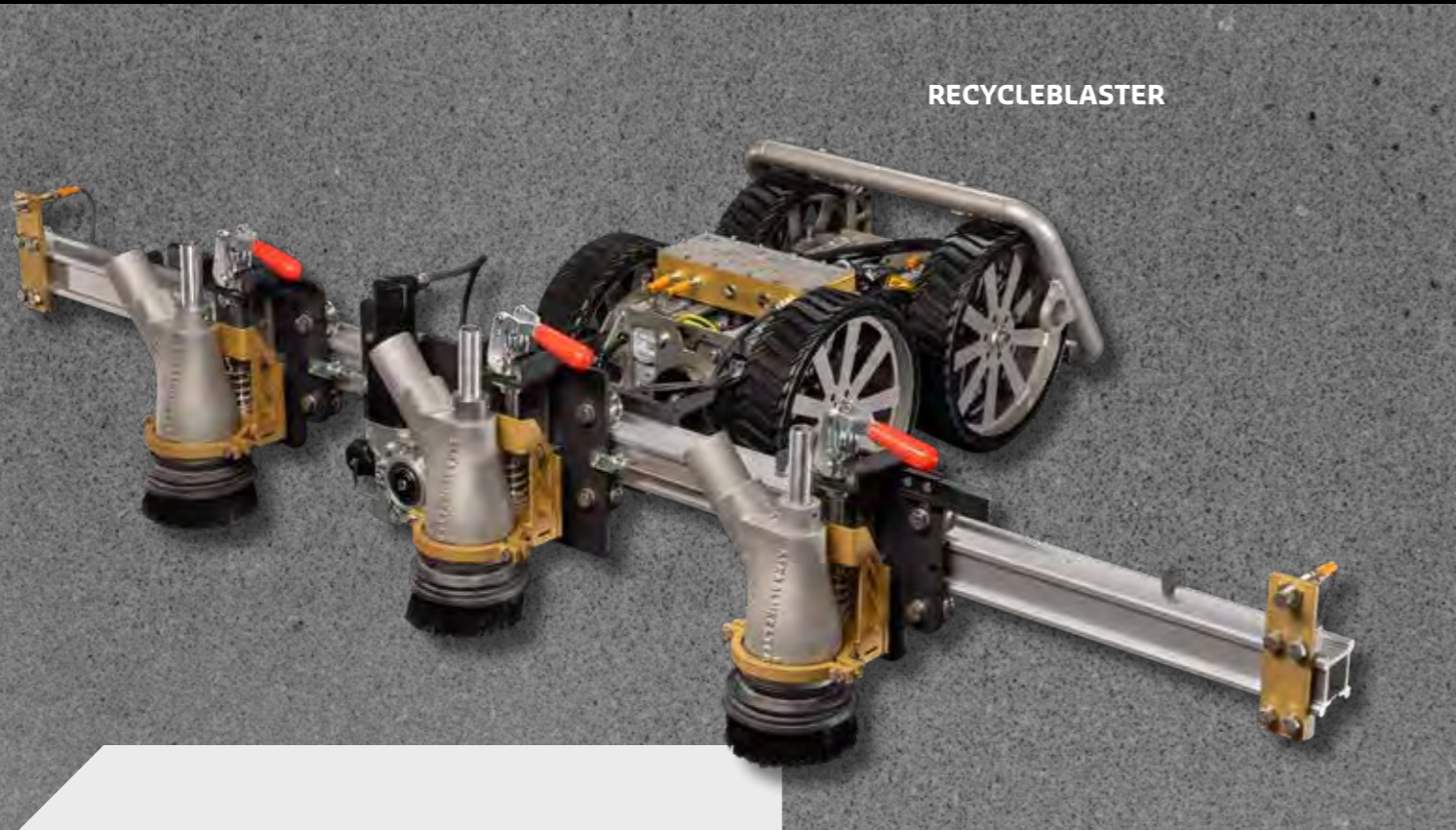
Scan for VIDEO



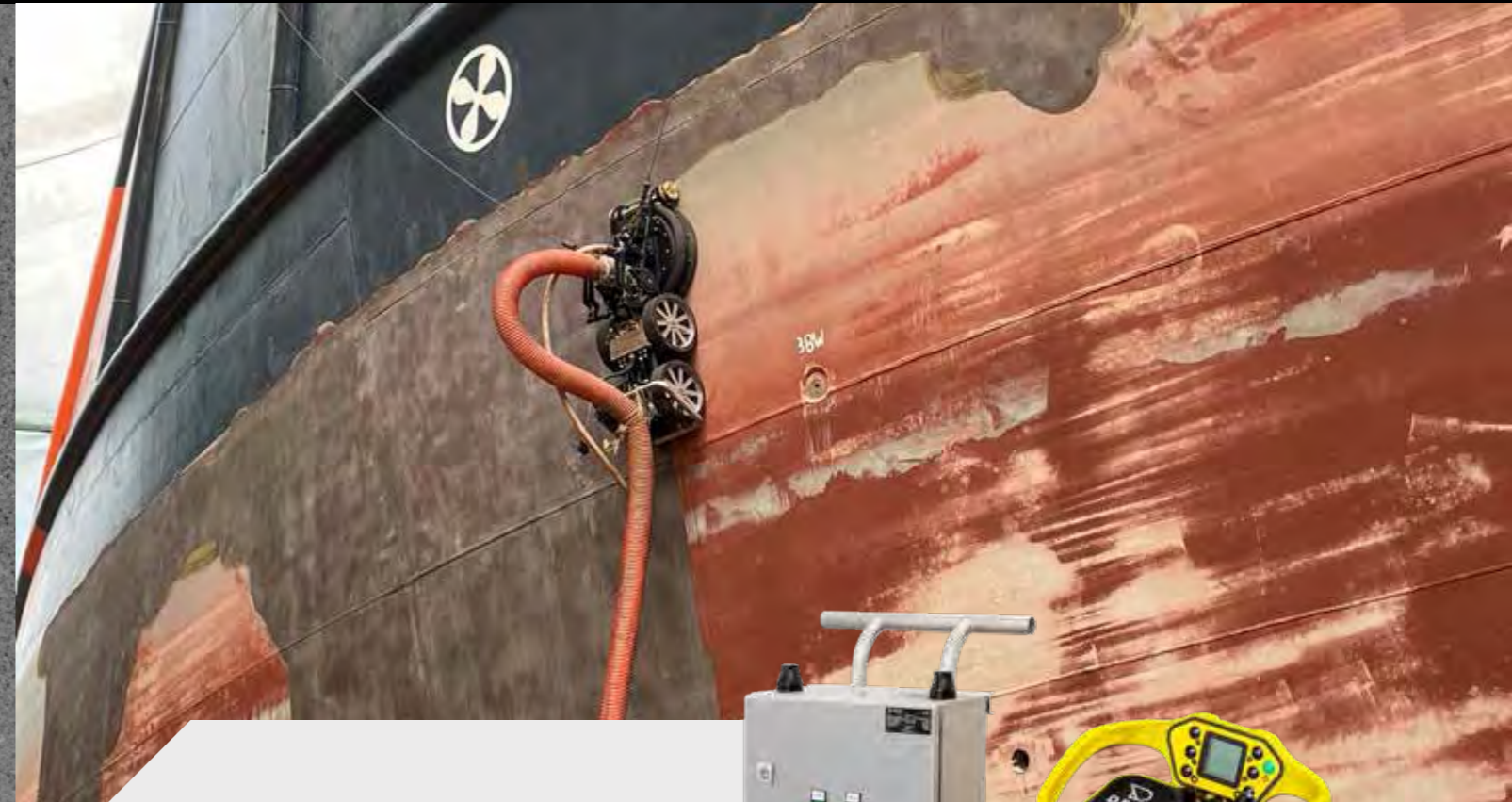
## DERC MagTrack

## DERC MagTrack

Scan for VIDEO



RECYCLEBLASTER



### SAND BLASTING TOOLS:

- **Sandblaster Swing Arm**  
Open sandblasting for surface preparation (ship hulls for example)
- **Sandblaster (Tilt) Swing Arm**  
Open sandblasting for surface preparation
- **RecycleBlaster**  
Closed circuit sandblasting for surface preparation (ship hulls for example)



SANDBLASTER TILT SWING ARM



### MAGTRACK ACCESSORIES

- **Main Control Unit**  
Powers and controls the MagTrack robot (ATEX optional)
- **Remote Controller**  
Operate the MagTrack at a safe distance
- **Fall Arrestor (optional)**  
To safely secure your MagTrack when working on vertical surfaces
- **Transport Plate**  
For easy transport and safe deployment to the surface
- **LED Lights (optional)**  
Optional ATEX lights to increase visibility inside (oil) storage tanks
- **Wall Contact Switch (optional)**  
When MagTrack detaches from the surface it automatically switches off the high pressure water
- **Abrasive Control System**  
Remote activation and pressure staging for controlled abrasive blasting



# DERC Hydro-Jet Mower

## DERC Hydro-Jet Mower

Scan for more info



### ROTATING SURFACE CLEANER

The DERC Hydro-Jet-Mower is a rotating surface cleaner for cleaning floors, grates, decks or other surfaces with high pressure water jets. The base is a stainless steel 4-wheel carriage with an ergonomic adjustable push bar. We offer two models with different maximum working pressure: 1500 bar / 22K and 3000 bar / 43K.

#### Options

The Hydro-Jet Mower can be supplied with the following options:

- Vacuum Attachment: double dome vacuum ring model with 3" connection 90°. Completely installed.
- Mechanical Dump Valve: High Pressure Dump Valve 1500 bar/ 22K PSI or 3000 bar / 43K PSI complete installed with controls to push bar.
- Electric Control: electric pressure on/off switch complete installed with controls to push bar. Supplied with necessary plug 4 or 7 Pin.
- Standard 6 weight plates included, with possibility to order more.

#### FEATURES

- Stainless steel carriage
- 4-Wheel, 2 fix, 2 flex zinc plated
- Push bar adjustable with hand grips
- Rubber sealing
- 4-jet arm manifold (1500 bar version)
- 6-jet arm manifold (3000 bar version)
- 1500 bar / 22K PSI or 3000 bar / 43K PSI

#### APPLICATION

- Cleaning floors, grates, decks and other surfaces

#### SPECIFICATIONS

|                                    |                      |
|------------------------------------|----------------------|
| <b>Dimensions (L x W x H)</b>      | 1275 x 470 x 1100 mm |
| <b>Cleaning Path</b>               | 400 mm               |
| <b>Weight (excl. plates)</b>       | 53 / 55 kg           |
| <b>Weight Plate</b>                | 5 kg                 |
| <b>Max. Pressure</b>               | 1500 or 3000 bar     |
| <b>Max. Flow 1500 bar</b>          | 140 lpm              |
| <b>Connection 1500 bar</b>         | M24x1,5 female flat  |
| <b>Type Insert Nozzle 1500 bar</b> | DS14-XXX             |
| <b>Max. Flow 3000 bar</b>          | 75 lpm               |
| <b>Connection 3000 bar</b>         | 1 1/8"-12 UNF female |
| <b>Type Insert Nozzle 3000 bar</b> | 964.XXX              |
| <b>Vacuum Connection</b>           | 3" camlock           |
| <b>Max. Rotation Speed</b>         | 2500 rpm             |
| <b>Max. Temperature</b>            | 70 °C                |

#### OPTIONS 1500 BAR / 22K PSI MODEL

| Description                        | Part No.             |
|------------------------------------|----------------------|
| Basic Surface Cleaner              | DHM-1500-18          |
| Vacuum Attachment                  | DHM-VA-3             |
| Dump Valve                         | DHM-DV-1500          |
| Electric Control (plug 4 or 7 pin) | DHM-EC-4 or DHM-EC-7 |

#### OPTIONS 3000 BAR / 43K PSI MODEL

| Description                        | Part No.             |
|------------------------------------|----------------------|
| Basic Surface Cleaner              | DHM-3000-18          |
| Vacuum Attachment                  | DHM-VA-3             |
| Dump Valve                         | DHM-DV-3000          |
| Electric Control (plug 4 or 7 pin) | DHM-EC-4 or DHM-EC-7 |

# DERC Rotary Coupling Swivel RCS-500

## DERC Rotary Coupling Swivel RCS-500

Scan for more info



### PNEUMATIC OR HYDRAULIC BELT DRIVEN CLEANING TOOL

The DERC RCS-500 is a fast rotation tool, which is belt driven to operate till 1.000 rpm. The DERC RCS-500-A uses an air motor and the DERC RCS-500-H is powered by a hydraulic motor.

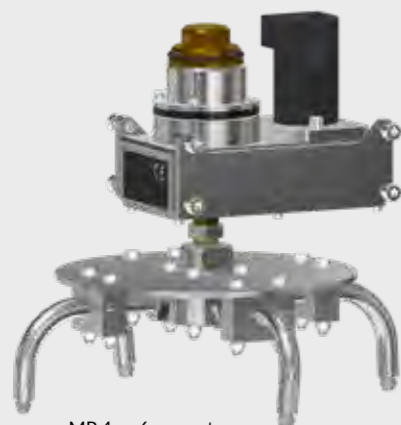
Powered rotation units control rotation speeds and allow the use of a wide variety of head configurations for diverse cleaning applications.

#### FEATURES

- Fast rotation cuts deposits quickly with less striping or effect on the surface
- Radiused arms produce powerful and effective jets
- Adaptable head configuration can be customized for a large range of applications
- Replaceable nozzle tips maximize jet quality

#### APPLICATIONS

- External tube bundle cleaning, mounted on a rail and tractor System
- Floors, conveyors and large surfaces
- Surface preparation



MP 4 or 6 arm rotor

#### DERC RCS-500-A

| Max. Pressure | Inlet Connections 0° or 90° | Drive | Rotation Speed | Max. Flow |
|---------------|-----------------------------|-------|----------------|-----------|
| 1000 bar      | 3/4" NPT                    | Air   | 1000 rpm       | 190 lpm   |
| 1500 bar      | M24x1,5, 3/4" NPS           | Air   | 1000 rpm       | 155 lpm   |
| 3000 bar      | 1 1/8" UNF                  | Air   | 1000 rpm       | 75 lpm    |

#### DERC RCS-500-H

| Max. Pressure | Inlet Connections 0° or 90° | Drive     | Rotation Speed | Max. Flow |
|---------------|-----------------------------|-----------|----------------|-----------|
| 1000 bar      | 3/4" NPT                    | Hydraulic | 1000 rpm       | 190 lpm   |
| 1500 bar      | M24x1,5, 3/4" NPS           | Hydraulic | 1000 rpm       | 155 lpm   |
| 3000 bar      | 1 1/8" UNF                  | Hydraulic | 1000 rpm       | 75 lpm    |

#### OPTIONAL ARMS AND HEADS

| Arm Type          | Nozzle Type      | Max. Pressure |  |
|-------------------|------------------|---------------|--|
| RCS-230B-M20-T4   | Type 04 nozzles  | 1500 bar      | Complete with flow stabilizers and nozzle caps |
| RCS-230B-M20-T226 | Type 226 nozzles | 1000 bar      | Complete with flow stabilizers and nozzle caps |
| RCS-230B-14NF     | DI 14 nozzles    | 1000 bar      | With integrated flow inducer                   |

Arms and heads for 3000 bar version can be configured on request

## RD Masterjet



The RD Masterjet rotor jets convert the high effectiveness of round jet nozzles into area performance through rotating nozzle heads. It has an optimum internal flow, which allows the pump's total performance to be used without loss of energy. Various nozzle configurations and adjustable speeds open up many possibilities for surface treatment.



### SPECIFICATIONS

| Type Nozzles           | Max. Pressure | Max. Flow |
|------------------------|---------------|-----------|
| 2/4 nozzles            | 1800 bar      | 60 lpm    |
| 2/4 nozzles            | 3200 bar      | 50 lpm    |
| 2/4 nozzles "ATEX"     | 3200 bar      | 50 lpm    |
| 2/4 nozzles "Low Flow" | 3200 bar      | 20 lpm    |
| 5 nozzles              | 3200 bar      | 50 lpm    |
| 3/6 nozzles            | 1800 bar      | 60 lpm    |
| 3/6 nozzles            | 3200 bar      | 50 lpm    |



### Features Masterjet

- High energy efficiency
- Versatile; 2, 3, 4, 5 or 6 nozzle inserts
- Variable rotation speed (1000 - 3500 rpm, 3 settings available)
- Speed adjustable by moving outer sleeve
- Easy maintenance
- Max. working pressure 3200 bar / 46K

## Monro-Jet Nozzles



MONRO-JET® nozzles combine the high power of the point jet with the large area output of the flat jet. They can be used with all approved high-pressure fittings and mounted on lances.

There are six different models. The operating pressure ranges from 500 bar up to 2500 bar, depending on the model. For each model there are also different connection thread types available.



**MONRO-JET F1**  
1500 bar



**MONRO-JET F2**  
1000 bar



**MONRO-JET F3**  
800 bar



**MONRO-JET F4**  
500 bar



**MONRO-JET F6**  
500 bar



**MONRO-JET F25**  
2500 bar



**MONRO-JET REPAIR KITS**

# DERC Hydraulic Hose Reel

## DERC Hydraulic Hose Reel

Scan for more info



### SMOOTH AND CONTROLLED (RE)TRACTION OF HOSES

#### Versatile Functionality

DERC Salotech provides cutting-edge hydraulic hose reel solutions for efficient cleaning of long pipelines. Our high-pressure hose reels are designed to handle up to 3000 Bar/43,000 PSI, making them ideal for demanding tasks. They are suitable for both storage and water jet pipe cleaning purposes, offering versatile functionality.

#### Simplifying Cleaning Operations

The hydraulic drive system ensures smooth and controlled (re)traction of the hose, simplifying handling during cleaning operations.



#### FEATURES

- Hydraulic drive
- Automated retraction of hoses
- Rugged steel construction
- Up to 3000 bar

#### APPLICATIONS

- Smooth and controlled (re)traction of hoses during cleaning operations
- Storage of (high pressure) hoses

#### Custom Solutions

DERC Salotech has extensive experience in designing and supplying high-quality hose reels, tailored to different applications. Whether you need a reel for storage purposes or to facilitate water jet pipe cleaning, we can assist you in finding the right solution for your needs. By choosing our hydraulic hose reel solutions, you can enhance productivity and streamline your cleaning processes.

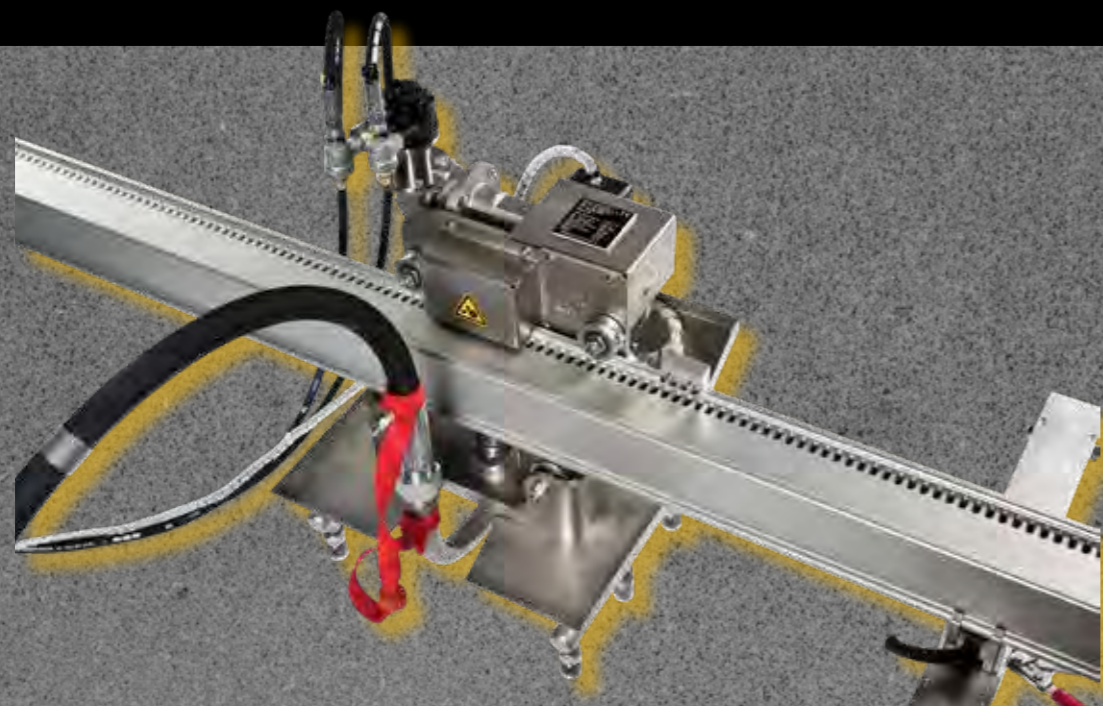


CALL US +31 186 - 62 14 84

# DERC Air PreHeater Cleaner APC (XXL)

## DERC Air Preheater Cleaner APC (XXL)

Scan for more info



### PLC CONTROLLED WATER JETTING OF AIR PREHEATERS

The DERC PLC-controlled Air Preheater Cleaner is a full automatic PLC controlled Air Preheater Cleaner with touch screen interface. We offer two versions.

#### Air Preheater Cleaner

The Air Preheater Cleaner operates on an aluminum rail with slotted holes for precise carriage movement. The rail, secured with two clamps, is mounted inside and outside the air preheater. An electric motor with an encoder and PLC ensures highly accurate positioning of the cleaning manifold ( $\pm 1$  mm).

#### Manifold with 4 - 5 Nozzles

The cleaner includes a high-pressure manifold, available in 4- or 5-jet configurations, with a maximum pressure of 700 bar (10K). The cleaner's capacity depends on the rail span. For higher flows or pressures, the XXL version is recommended.

#### Operation at a Safe Distance

The operator operates the Air Preheater Cleaner with the touch screen, at a safe distance, outside the air preheater.

#### FEATURES

- PLC controlled
- Touch screen control
- Parameters programmable
- Fully electric control
- Data logging possible
- Different types of manifolds possible
- Linkable to your high pressure unit(s)
- Double-sided cleaning (top and bottom)

#### APPLICATIONS

- Automated cleaning of air preheaters

#### Air Preheater Cleaner XXL

This APC XXL-version is able to clean a rotating air preheater with a diameter of 19 meters at a very high capacity of 2x 1000 litre per minute at 500 bar/ 7K. The Air Preheater cleaner XXL moves on a sectionalized guide rail of 10,5 metre and can be positioned very fast with high precision ( $\pm 1$  millimeter).

#### Manifold with 14 Nozzles

An electrically powered carriage with ball-bearing wheels moves the manifold. Each manifold holds 14 nozzles (2x M42 DKOS).



CALL US +31 186 - 62 14 84

# DERC Scaffold Cleaner

## DERC Scaffold Cleaner

Scan for VIDEO



### SAFE AND AUTOMATED CLEANING OF SCAFFOLDING PLANKS

The Scaffold Cleaner is a cutting-edge solution designed to maintain the cleanliness and safety of metal scaffold planks. Engineered for optimal performance, this machine efficiently removes dirt, debris, and contaminants from the upside of scaffold planks, ensuring a safer working environment. The Scaffold Cleaner is user-friendly, durable, and compatible with high-pressure units, making it an essential tool for any construction site.

#### Operation

The Scaffold Cleaner operates by feeding scaffold planks through the roller bed into the cleaning box, where the height-adjustable cleaning head uses high-pressure water jets to clean the upside of the planks. The cleaned planks are then fed out through the roller bed on the opposite side. The control system allows for precise adjustments and safe operation, ensuring optimal cleaning performance.

#### FEATURES

- Up to 3000 bar
- Automated feeding of planks
- Cleaning head driven by RCS-500
- Manifold with 20 nozzles

#### APPLICATIONS

- Cleaning of scaffolding planks

The Scaffold Cleaner consists of three main components:

**Roller Bed:** This component includes a feed-through system for plank input and output, ensuring smooth and efficient handling of the planks.

**Cleaning Box:** Equipped with a height-adjustable, pneumatically driven cleaning head, the cleaning box effectively removes dirt and contaminants from the planks.

**Control System:** The electric control box features various controls such as Emergency Stop (E-stop), Reset, Feed-through Speed Control, Cleaning Activation, and Rotation Speed Control.



CALL US +31 186 - 62 14 84

# DERC Hydroblast 4+ Hose



## VERSATILE RUBBER HIGH PRESSURE HOSE

The DERC HYDROBLAST 4+ industrial high pressure hose is specially developed for the high pressure cleaning industry.

### Up to 1100 Bar

The hose is capable of working pressures until 1100 bar and is produced with only 4 spiral layers, so a 3/4" hose is still manageable.

### Light Weight and Flexible

The hose has a short bend radius, is light weight and can be used with a water temperature up to 80° C.

### Versatile

The Hydroblast 4+ hose is available with NPT or metric couplings. And with 90° bended couplings M24 and M36.

### Sizes

The hose is available in 3/8" (DN10), 1/2" (DN12) and 3/4" (DN20).

### FEATURES

- Suitable for high temperature till 80° C
- Light weight and flexible
- Resistant outer core
- Certified according the latest NEN standards
- Bigger bore couplings, less pressure loss
- Available with safety marking rings or safety hose catcher rings

### APPLICATIONS

- Industrial high pressure hose

## DERC Hydroblast 4+ Hose

Scan for more info



### DERC HYDROBLAST 4+

| Model            | HB4T.10.24.20 | HB4T.12.24.20  | HB4T.20.36.20 |
|------------------|---------------|----------------|---------------|
| Inside Diameter  | 3/8" (9.5 mm) | 1/2" (12.6 mm) | 3/4" (19 mm)  |
| Outside Diameter | 20.4 mm       | 24.6 mm        | 32.0 mm       |
| Bend Radius      | 210 mm        | 230 mm         | 250 mm        |
| Length           | 20 - 100 m    | 20 - 100 m     | 20 - 60 m     |
| Max. Pressure    | 1250 bar      | 1100 bar       | 1100 bar      |
| Test Pressure    | 1875 bar      | 1650 bar       | 1650 bar      |
| Burst Pressure   | 3125 bar      | 2750 bar       | 2750 bar      |
| Weight           | 0.88 kg/m     | 1.22 kg/m      | 1.87 kg/m     |



# SPIR STAR Hoses



## THERMOPLASTIC HIGH PRESSURE HOSES

DERC Salotech supplies SPIR STAR thermoplastic high-pressure hoses for waterblasting, reinforced with spiralized high tensile steel. Available in 2, 4, 6, and 8 layers, these hoses handle pressures up to 4000 bar, making them essential for various waterblasting applications.

SPIR STAR hoses offer minimal volumetric expansion, lightweight, and high external pressure resistance. They also produce hoses for extreme temperatures (up to 150°C) and chemical resistance. With the capability to manufacture hoses up to 4500 meters long, SPIR STAR is a leading supplier for major oil companies and the only producer of PVDF hoses.

### FEATURES

- Reinforced with spiralized steel
- Available in 2, 4, 6 and 8 layers
- Up to 4000 bar
- Inner diameters from 3 mm to 32 mm
- Suitable for various applications

### APPLICATIONS

- Waterblasting
- High Pressure Hydraulics
- Oil and Gas Offshore
- Hydrogen industry



CALL US +31 186 - 62 14 84

## SPIR STAR Hoses

Scan for more info



### Assembly Center

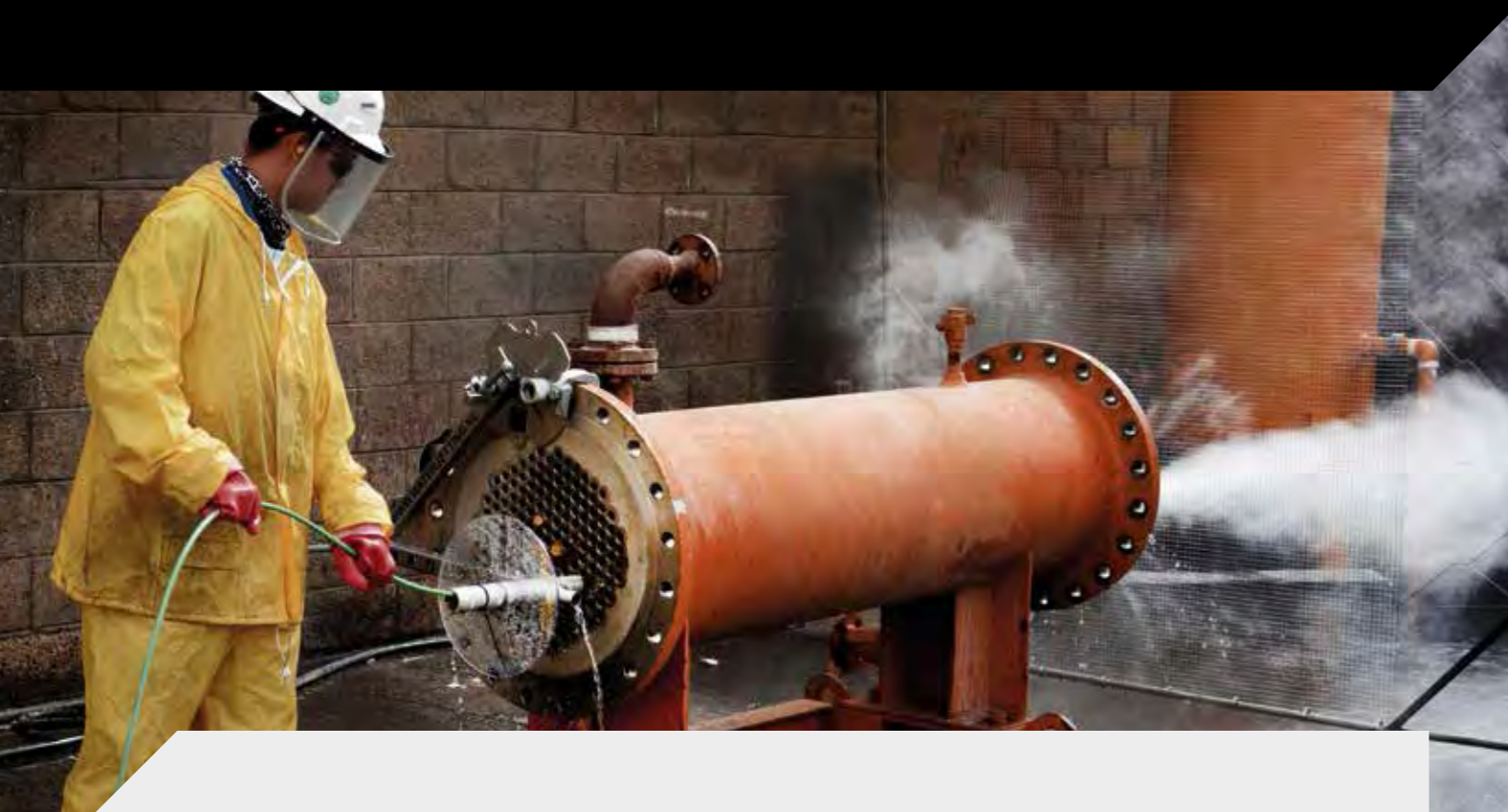
DERC Salotech is a certified assembly center for SPIR STAR hose assemblies. Our trained and experienced team ensures the highest standards of quality and safety, staying up to date on SPIR STAR assembly practices. By assembling hoses in-house, we offer fast delivery and reliable repair services.



### Applications

- **Water Blasting:**  
Heat exchanger cleaning, tank cleaning, concrete demolition, pipe and tube cleaning.
- **High Pressure Hydraulics:**  
Bolt tensioning, rescue tools, autofrettage, hydro forming.
- **Oil and Gas Offshore:**  
Offshore hose bundles, methanol service on platforms, chemical injection, hydraulic control. Special hose models: HT Series, PPA Series, M Series.
- **Hydrogen Industry:**  
Hydrogen hoses for vehicle refueling at 350 and 700 bar, certified to ISO 19880-5 and SAE J2601 standards. Transfer hoses for larger flows used on H2 trailers, ships, and trains.

# DERC Hose Catchers



## THE SAFE WAY FOR MANUAL CLEANING PIPES, TUBES OR HEAT EXCHANGERS

DERC Salotech designed a complete line of Hose Catchers, which provide a safe way of cleaning pipes manually.

### Ultimate Protection

When cleaning pipes and tubes there is a risk the nozzle could come out of the pipe backwards. To protect the operator DERC Salotech offers a full range of Hose Catchers.

### Hose Catcher for Every Job

The DERC Hose Catchers are available in the following types:

- VE.20000 for cleaning pipe lines
- VE.21000-22000 for cleaning pipes in small spaces
- VE.40000 for cleaning vertical heat exchangers
- VE.70500 for cleaning heat exchangers
- VE.80000 for cleaning larger pipes (up to 400 mm OD)

### FEATURES

- Stainless steel construction
- Adaptable to different pipe sizes
- Easy and fast mounting
- Hose stoppers in different sizes

### APPLICATION

- Protecting operator when manual cleaning pipes, tubes or heat exchangers

CALL US +31 186 - 62 14 84

## DERC Hose Catcher VE.20000



The DERC Hose Catcher VE.20000 is specially constructed as an adjustable accessory tool for the safe high pressure cleaning of pipe lines, by means of a hose with a jetting nozzle mounted on the end. Hoses of different diameters can be used due to the adjustable clamp.

### Optional Equipment VE.20000

The VE.20500 Extension Kit consists of two stainless steel square tubes, which make it possible to connect the VE.20000 to bigger diameter pipes or shells.

The easy to connect VE.20600 Hook On Kit makes it possible to strap the Hose Catcher VE.20000 onto non-flanged pipe lines.



### Hose Stoppers

Every Hose Catcher, except the VE.20000, VE.21000 and VE.22000, is equipped with hose stoppers for different flex hoses diameters.

The hose stopper ensures that the hose stops at the right moment. The stoppers can be stored in the cassette, which is located on the Hose Catcher, to keep everything together.

## DERC Hose Catcher VE.21000-22000



The VE.21000-22000 Hose Catcher is especially designed to work with flex lances in small spaces. This Hose Catcher can be mounted on a flange of a pipe between 3" and 6" and can be supplied without a splash plate (VE.21000) or with a splash plate (VE.22000). It is also possible to store the different hose stoppers in an optional storage box (VE.21500).

### Features VE.21000-22000

- Easy mounting on the flange of a pipe
- Suitable for horizontal and vertical applications
- Supplied with or without splash plate
- Splash plate available in different sizes



## DERC Hose Catcher VE.40000



The DERC Hose Catcher type VE.40000 is specially constructed as an adjustable accessory tool for the safe manual high pressure cleaning of vertical heat exchangers with flex lances. Hoses of different diameters can be used due to various hose stoppers. We supply the vertical tube in a variety of dimensions.



## DERC Hose Catcher VE.70500



The DERC Hose Catcher type VE.70500 is a specially constructed adjustable auxiliary tool for cleaning pipe bundles by means of a hose with a jetting nozzle mounted to the front. All the pipes in the bundle can be reached because of the construction with two hinged points.

The advantage of the modular construction of the hose catcher is that an adaptor can be mounted to a foot pedal so that a vertical heat exchanger can be cleaned. Besides this the hose catcher can be used for one single pipe after removal of the hinged arm. The hose catcher can be mounted to a pipe or heat exchanger in various ways.

Flex hoses of different diameters can be used due to the various diameters of the interchangeable Hose Stoppers.

A round transparent (Lexan) plate has been mounted on to protect the operator from backsplash water.



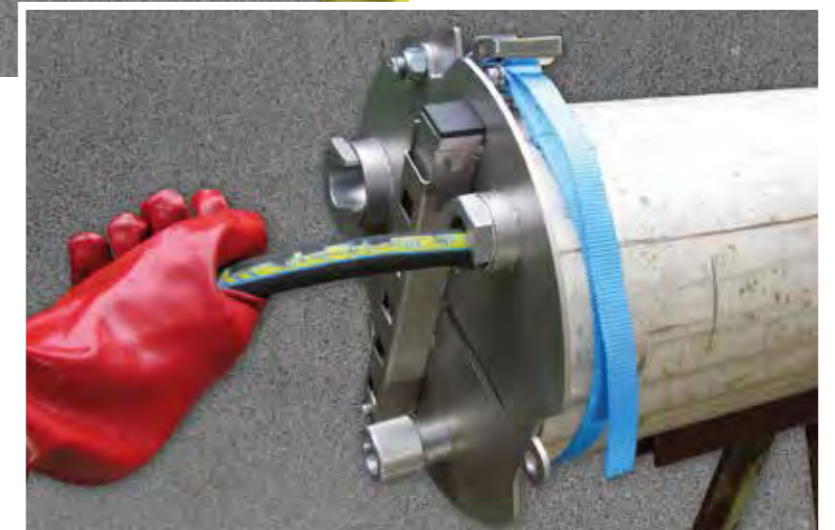
## DERC Hose Catcher VE.80000



The DERC Hose Catcher type VE.80000 is a specially constructed adjustable auxiliary tool for safe high pressure cleaning of pipes by means of a hose with a jetting nozzle mounted to the front.

The Hose Catcher consists of a stainless steel base plate with 3 connections; one for 1/2", one for 3/4" high pressure hoses and one for flex lances in various diameters. Flex lances of different diameters can be used due to the various diameters of the interchangeable Hose Stoppers. These Hose Stoppers are stored in the cassette to prevent losing them. The 1/2" and 3/4" connections are nuts which function as hose stoppers. All parts are as much as possible fixed to the base plate to keep everything together.

The Hose Catcher can be mounted on the pipe in various ways; mountable clamps, bolts or when there is no flange, with lashing.



# DERC Hose Safety Systems



## FOR SAFE USAGE AND CONNECTING HIGH PRESSURE HOSES

DERC Salotech offers the following safety products for using and connecting hoses:

### DERC Hose Fixation Sling

DERC Salotech offers Hose Fixation Slings for securing vertical lined up hoses; a reliable connection point that adapts to numerous anchor points.

### DERC Hose Grips

Hose Grips are used as security between high pressure hoses in case the hose connection would fail. All Hose Grips and Whip Checks are supplied with a controlled quality declaration.

### DERC Hose Whip Checks

The Hose Whip Checks are required as safety measure to avoid injury in case of hose or coupling failure. The Hose Whip Check is an advanced and innovative version. Improved, safer and stronger designed for the (high) pressure hydraulic and water jetting market.

### FEATURES HOSE WHIP CHECKS

- Steel internal wire covered with Kevlar and Polyester
- Loop design, it pulls tighter and tighter
- Suitable for small and bigger hose diameters
- Soft on the hands, no wires

### APPLICATION HOSE SAFETY SYSTEMS

- Protecting operator when using and connecting high pressure hoses

## DERC Hose Fixation Sling



### SPECIFICATIONS

|                 |                |
|-----------------|----------------|
| Static Strength | 22 kN          |
| Working Length  | 120 cm         |
| Webbing         | 20 mm          |
| Safety Standard | EN 795 class B |
| Part No.        | SIR.3          |



## DERC Hose Grips



### SPECIFICATIONS

| Part No.   | Diameter    | Length |
|------------|-------------|--------|
| HG1.400.SS | Ø 7-14 mm   | 400 mm |
| HG2.400.SS | Ø 13-21 mm  | 400 mm |
| HG2.600.SS | Ø 13-21 mm  | 600 mm |
| HG3.400.SS | Ø 17-31 mm  | 400 mm |
| HG3.600.SS | Ø 17-31 mm  | 600 mm |
| HG4.400.SS | Ø 20-36 mm  | 400 mm |
| HG4.600.SS | Ø 20-36 mm  | 600 mm |
| HG5.400.SS | Ø 27-52 mm  | 400 mm |
| HG5.600.SS | Ø 27-52 mm  | 600 mm |
| HG6.400.SS | Ø 45-70 mm  | 400 mm |
| HG6.600.SS | Ø 45-70 mm  | 600 mm |
| HG7.400.SS | Ø 72-110 mm | 400 mm |
| HG7.600.SS | Ø 72-110 mm | 600 mm |



## DERC Hose Whip Checks



### SPECIFICATIONS

| Part No. | Description                               |
|----------|---|
| WR1      | Whip Check 3 mm Model A                   |
| WR2      | Whip Check 6 mm Model B1/2"               |
| WR3      | Whip Check 24" Red Dog                    |
| GS4-950  | Whip Check 4 mm with Kevlar and Polyester |
| GS6-1000 | Whip Check 6 mm with Kevlar and Polyester |



# DERC Warning Sign Water Jetting



SAYING LIVES



## EASY TO STORE AND CARRY

**Safety first!** This warning sign is ideal to secure your job site. The sign is easy to fold out and the spring mechanism prevents collapsing unintentionally.

A weather-resistant galvanized steel frame ensures high stability. The folded sign is easy to store in its supplied protective cover. The edge length of this warning sign is 70 cm.



Scan for  
more info



### FEATURES

- Weather-resistant signal covering made of robust plastic fabric
- High visibility
- Sturdy tripod, fully galvanized steel
- High level of stability thanks to specially shaped feet
- Easy to store and carry

### APPLICATION

- Securing job site when water jetting

Part No. VE.10108

CALL US +31 186 - 62 14 84



**TST Sweden Authorized Dealer**  
DERC Salotech recommends the workplace safety solutions and protective clothing of TST as the best available in the world. If you are interested in TST products please contact us. As a TST dealer we can supply you with the full range of products.

# High Pressure Guns

## High Pressure Guns

Scan for  
more info



### HIGH PRESSURE DUMP GUNS

| Part No.       | Max. Pressure | Inlet Connection | Lance Connection | Cartridge |
|----------------|---------------|------------------|------------------|-----------|
| DDG.15K.JS.002 | 1000 bar      | 1/2" NPT         | 9/16" UNF LH     | 72346     |
| DDG.20K.JS.001 | 1400 bar      | 9/16" MP         | 9/16" UNF LH     | 72347     |
| DDG.40K.JS.001 | 2800 bar      | 9/16" HP         | 9/16" UNF LH     | 72348     |

### HIGH PRESSURE DRY SHUT GUN

| Part No.       | Max. Pressure | Inlet Connection | Lance Connection | Cartridge |
|----------------|---------------|------------------|------------------|-----------|
| DSG.15K.JS.001 | 1000 bar      | 1/2" NPT         | 9/16" UNF LH     | 60419     |
| DSG.20K.JS.001 | 1400 bar      | 9/16" MP         | 9/16" UNF LH     | 60420     |

## THE PERFECT GUNS FOR MANUAL HIGH PRESSURE CLEANING

DERC Salotech offers a wide range of hand guns for high pressure water jetting.

### Hand Guns

The range of hand guns includes both Dump Style and Dry Shut-In Style options, offering solutions for high-pressure applications up to 2800 bar. Dump Style hand guns allow operators to quickly relieve pressure by releasing water when the trigger is disengaged, ensuring safety and ease of operation. In contrast, Dry Shut-In Style hand guns maintain pressure without water discharge, reducing spillage and waste.

All hand guns feature durable components, ergonomic designs with adjustable body pads or shoulder supports, and quick 30-second field-replaceable cartridges to minimize downtime. These hand guns are available in various configurations, including single or dual trigger options, making them versatile tools for industrial and maritime applications and provide more flexibility for the operator.

### FEATURES

- 1000 / 1400 / 2800 bar models
- Available in various configurations
- Dump style or dry shot
- Quick cartridge replacement (30 sec.)
- Ergonomic design

### APPLICATION

- Manual water jet cleaning

### Customization

DERC Salotech offers the possibility to change, lance length, inlet connection, lance grip or nozzle holder.



1000 bar



1400 bar



2800 bar

### OPTIONAL HOSE CONNECTIONS

| Max. Pressure | Connection | Part No.   |
|---------------|------------|------------|
| 1000 bar      | M24x1,5    | VL24M      |
| 1000 bar      | M22x1,5    | VL22M      |
| 1000 bar      | 1/2" BSP   | VL12M      |
| 1400 bar      | M24x1,5    | NI.M9M.24M |
| 1400 bar      | M22x1,5    | NI.M9M.22M |
| 1400 bar      | 1/2" BSP   | NI.M9M.12M |

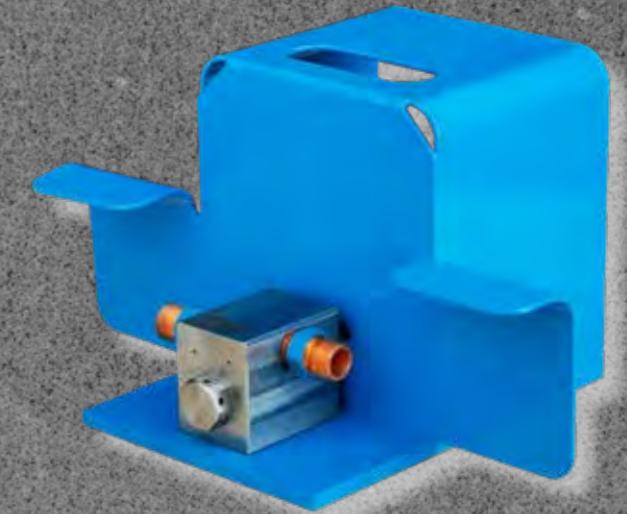
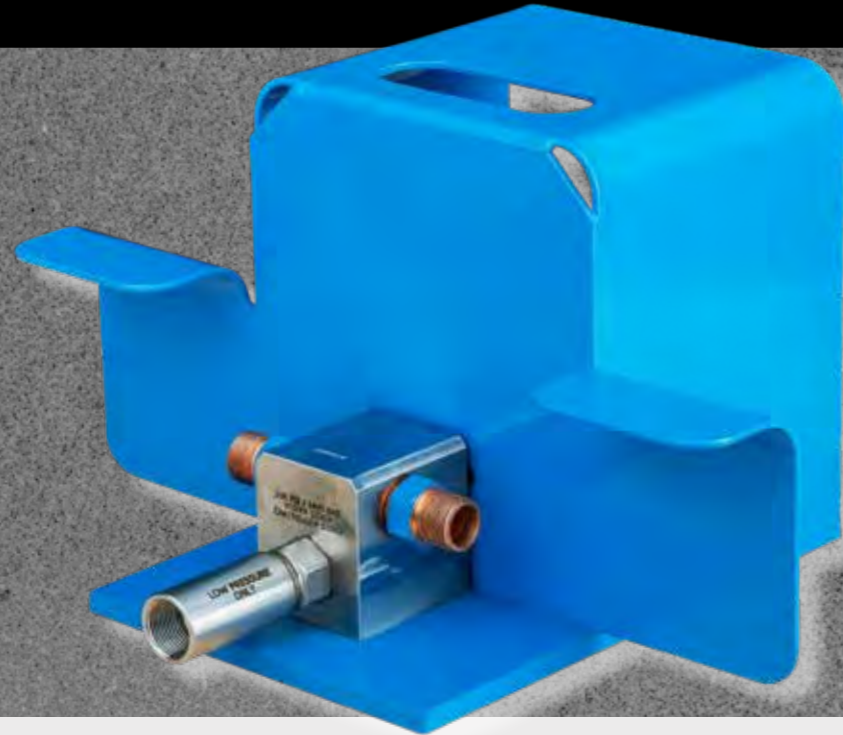
### OPTIONAL NOZZLE HOLDERS

| Max. Pressure   | Part No.  |
|-----------------|---|
| 1000 / 1400 bar | 4050.6.916Y + 4050.2.005 nozzle holder and cap Typ4/A nozzle          |
| 1000 / 1400 bar | HC-MF9-NF4-916MP 1/4"NPT female nozzle holder                         |
| 2800 bar        | 4050.965.H9LF-PROT nozzle holder 965/P with concrete protection cover |

# High Pressure Foot Valves

## High Pressure Foot Valves

Scan for  
more info



## THE PERFECT FOOT VALVES FOR MANUAL HIGH PRESSURE CLEANING

We offer two high-quality foot valves that are perfect for a variety of (manual) high pressure tube cleaning applications: the Dry Shut Foot Valve and the Dump Style Foot Valve.

### Dry Shut Foot Valve

The Dry Shut Foot Valve is ideal for situations where water spillage and disposal are concerns. This valve does not dump water when the trigger is released, meaning there is no unwanted water leakage. This makes it perfect for applications where water management is crucial.

### Dump Style Foot Valve

The Dump Style Foot Valve also offers complete pressure control but with a different approach. When activated, the dump valve (spring return) of the foot control closes and the system is pressurized. When deactivated, the water is dumped by the dump valve, ensuring that the used hose or high pressure gun is never unintentionally pressurized.

### FEATURES

- Safety cage protects the operator
- Built-in "wings" protect the HP end fittings
- Threaded diffuser to route dump water for collection or disposal (dump style only)
- Quick replacement of cartridge (30 seconds)

### APPLICATIONS

- Manual high pressure cleaning
- Flex lancing
- Pressure control

### DRY SHUT FOOT VALVES

| Model | Max. Pressure | Max. Flow | Inlet & Outlet Connection | Cartridge |
|-------|---------------|-----------|---------------------------|-----------|
| 59377 | 1000 bar      | 130 lpm   | 1/2" NPT Female           | 60419     |
| 59378 | 1400 bar      | 130 lpm   | 20K Port Female           | 60420     |

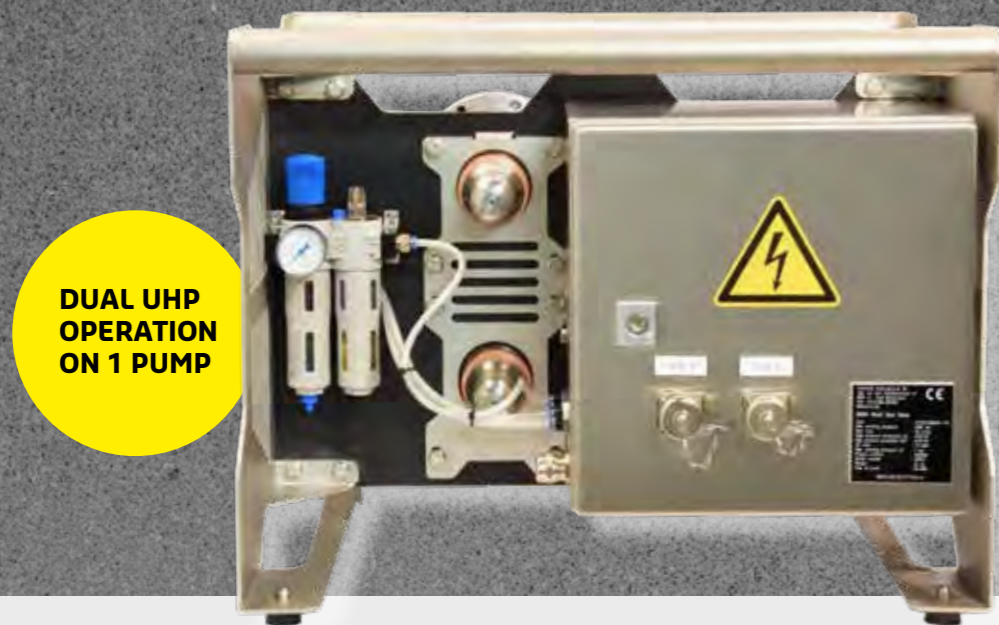
### DUMP STYLE FOOT VALVES

| Part No.      | Max. Pressure | Max. Flow | Inlet & Outlet Connection | Cartridge |
|---------------|---------------|-----------|---------------------------|-----------|
| 55435         | 1000 bar      | 130 lpm   | 1/2" NPT Female           | 50902     |
| 59374         | 1000 bar      | 285 lpm   | 3/4" NPT HF               | 52750     |
| 59376         | 1000 bar      | 475 lpm   | 1" NPT SHF                | 53915     |
| 59372         | 1400 bar      | 130 lpm   | 20K Port Female           | 51869     |
| 59379         | 1400 bar      | 190 lpm   | 3/4" MP Female            | 52750     |
| 59373-916ASSY | 2800 bar      | 50 lpm    | 9/16" HP Female           | 53475     |

# DERC Multi Tool Valve UHP

## DERC Multi Tool Valve UHP

Scan for  
more info



**DUAL UHP  
OPERATION  
ON 1 PUMP**

## DUAL UHP OPERATION ON ONE PUMP

The DERC Multi Tool Valve is especially designed and built to make it possible to work with two high pressure guns or foot valves with electric control on one high pressure unit, without influencing the pressure in the guns.

### Up to 2800 bar

The DERC Multi Tool Valve has a maximum working pressure of 2800 bar and can be attached to any high pressure unit. This requires external air pressure and 24VDC power.

### Easy to transport

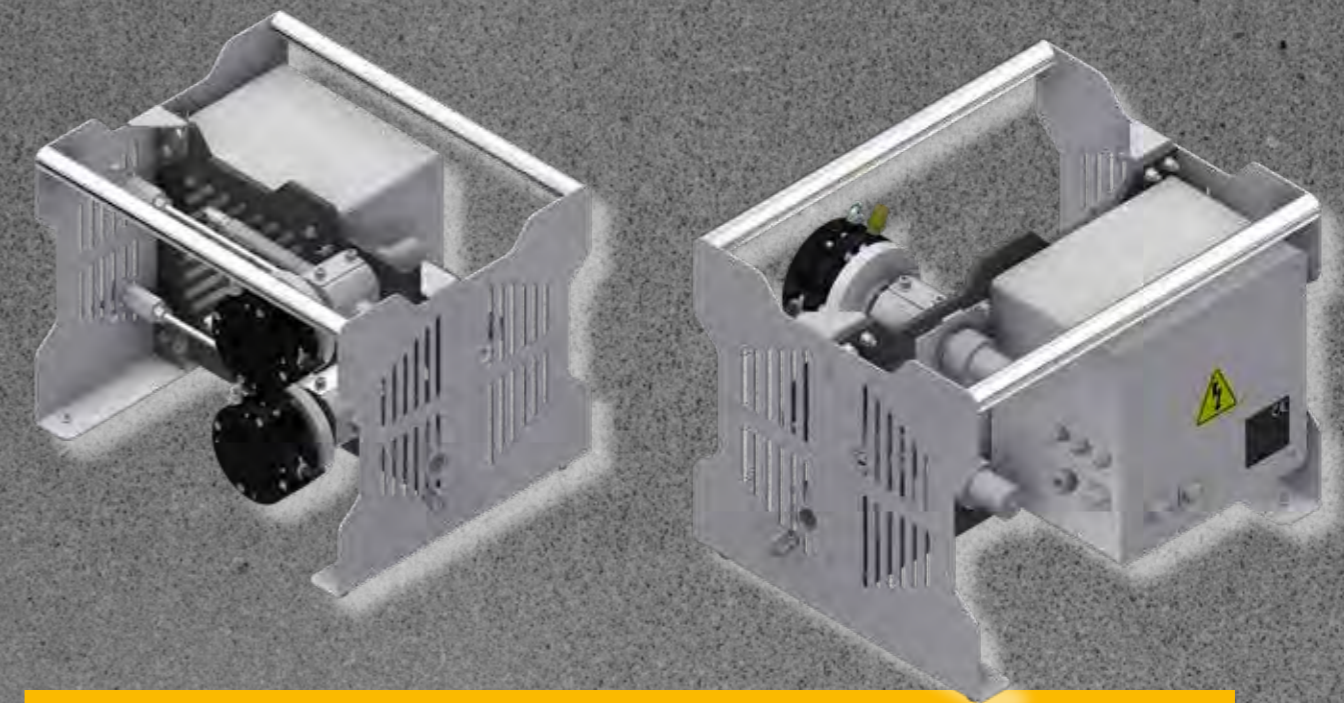
The DERC Multi Tool Valve is mounted on a stainless steel frame, which can be installed next to or on the high pressure unit. It is easy to transport with the two integrated handles.

### FEATURES

- Very easy to operate, plug and play system
- To use in combination with every high pressure unit
- Suitable for one or two high pressure guns or foot valves with electric control
- Easy maintenance

### APPLICATIONS

- Manual high pressure cleaning
- Flex lancing
- Pressure control



### SPECIFICATIONS

|                   |  |
|-------------------|--|
| Part No.          | D.MVT.2800EXI-7PS  |
| Max. Pressure     | 2800 bar   |
| Max. Flow         | 52 lpm (26 l per consumer)   |
| Connection Inlet  | Inlet 9/16" HP (M30x2 or 1 1/8" UNF in combination with M14 of 9/16" LH) or M34x2 in combination with M18x1.5 LH |
| Connection Outlet | 2 x 9/16", 2 x 3/8" HP out for 5 mm UHP hose   |
| Input Voltage     | 24VDC  |
| Input Air         | 7 bar  |
| Signal Out        | 2 x 7 Pin Connector Steel 2 channel intrinsic safe EXI - for consumers*  |
| Signal In         | 1 x 7 Pin Connector Steel 2 channel intrinsic safe EXI - unit pressure on/off*                                   |

\* Other connectors available on request

# Multi-Gun Valve

## Multi-Gun Valve

Scan for  
more info



**NEW**



## DUAL-GUN OPERATION WITH CONSISTENT PRESSURE AND CONTROL

The multi-gun valve allows two dump-style waterblast guns to be operated independently from a single waterblast pump. It divides the pump's total flow between the guns and maintains system pressure when either or both guns are in dump mode.

### Easy & Efficient Operation

The setup is quick and straightforward, using two manual adjustment dials to get the system up and running in no time. The valve features two easily replaceable cartridges, allowing it to be fully repaired in the field in just three minutes, minimizing downtime and maximizing operational efficiency.

### Expandable for Multiple Tools

Additional multi-gun valves can be integrated into the system, enabling multiple tools to operate simultaneously from a single waterblast unit.

### FEATURES

- Quick and easy setup
- Fast field repair ( $\pm 3$  minutes)
- Durable stainless steel components
- Corrosion-resistant base
- Secure threaded connections
- Expandable for multiple tools

### APPLICATIONS

- Manual high pressure cleaning
- Flex lancing
- Pressure control



### SPECIFICATIONS MGV 1000 BAR

|                          |                    |
|--------------------------|--------------------|
| <b>Inlet Connection</b>  | 3/4" NPT female    |
| <b>Outlet Connection</b> | 1/2" NPT female    |
| <b>Max. Flow</b>         | 132 lpm            |
| <b>Max. Pressure</b>     | 1000 bar           |
| <b>Weight</b>            | 13 kg              |
| <b>Dimensions</b>        | 109 x 203 x 275 mm |

### SPECIFICATIONS MGV 1400 BAR

|                          |                                   |
|--------------------------|-----------------------------------|
| <b>Inlet Connection</b>  | 3/4" MP female or 20K port female |
| <b>Outlet Connection</b> | 3/4" MP female or 20K port female |
| <b>Max. Flow</b>         | 95 lpm                            |
| <b>Max. Pressure</b>     | 1400 bar                          |
| <b>Weight</b>            | 13 kg                             |
| <b>Dimensions</b>        | 109 x 203 x 275 mm                |

## DERC Insert Nozzles



### Insert Nozzles Up To 1500 Bar

DERC high-pressure waterjetting insert nozzles are an essential tool used in various industries for effective and efficient industrial cleaning applications. We offer a complete range made of high-quality hardened stainless steel, with a maximum pressure of up to 1500 bar, providing a durable and versatile solution.



#### SPECIFICATIONS

| Model  | Thread   | Length | Available Diameters | Part No.   |
|--------|----------|--------|---------------------|------------|
| DI 18  | 1/8" NPT | 13 mm  | Ø 0.50 - Ø 3.40     | DI 18-xxx  |
| DI 14  | 1/4" NPT | 29 mm  | Ø 0.50 - Ø 5.00     | DI 14-xxx  |
| DSI 14 | 1/4" NPT | 17 mm  | Ø 0.50 - Ø 4.20     | DSI 14-xxx |

## DERC RN Nozzle



### RotoCar Cleaning Nozzle Up To 1500 Bar

The RN-nozzle is specially designed for cleaning pipe systems with our Rotocar Cleaning System with a maximum working pressure of 1500 or 3000 bar. The nozzle can be specially configured for your operating condition per order. The nozzle is suitable for the cleaning of clogged pipes. Our special stages pyramid design enhances the effectiveness of your impact.



#### SPECIFICATIONS

| Connection | Thread | Orifices  | Length | Diameter | Part No.       |
|------------|--------|-----------|--------|----------|----------------|
| M24x1.5    | Male   | 3xØ1.7 mm | 53 mm  | Ø 32 mm  | RN.029.31.xxx  |
| M22x1.5    | Female | 2xT4      | 74 mm  | Ø 45 mm  | RN145.2T4.14F  |
| M22x1.5    | Female | 4xT4      | 93 mm  | Ø 45 mm  | RN145.4T4.14F  |
| M22x1.5    | Female | 20xT4     | 108 mm | Ø 69 mm  | RN169.20T4.14F |

## DERC Nozzle Drivers



### Up To 1500 Bar

The DERC range of Nozzle Drivers, also called pusher units, can be used behind every nozzle or even between hoses to give extra thrust. The DERC Nozzle Driver range goes standard up to 1500 bar/ 22K. Nozzle Drivers are a stock item with a short delivery time.



#### SPECIFICATIONS

| Connection D1 | Connection D2 | Diameter | No. of jets / Ø jets | Part No.      |
|---------------|---------------|----------|----------------------|---------------|
| M7x1 M        | M7x1 F        | Ø 10 mm  | 2 x Ø 0.8 mm         | ND.10.07.02   |
| M7x1 M        | M7x1 F        | Ø 10 mm  | 3 x Ø 0.8 mm         | ND.10.07.03   |
| M7x1 M        | M7x1 F        | Ø 10 mm  | 4 x Ø 0.8 mm         | ND.10.07.04   |
| 1/8" BSP M    | 1/8" BSP F    | Ø 10 mm  | 2 x Ø 0.8 mm         | ND.12.18.02   |
| 1/8" BSP M    | 1/8" BSP F    | Ø 12 mm  | 3 x Ø 0.8 mm         | ND.12.18.03   |
| 1/8" BSP M    | 1/8" BSP F    | Ø 12 mm  | 4 x Ø 0.8 mm         | ND.12.18.04   |
| 1/4" BSP M    | 1/4" BSP F    | Ø 16 mm  | 2 x Ø 0.8 mm         | ND.16.14.02   |
| 1/4" BSP M    | 1/4" BSP F    | Ø 16 mm  | 3 x Ø 0.8 mm         | ND.16.14.03   |
| 1/4" BSP M    | 1/4" BSP F    | Ø 16 mm  | 4 x Ø 0.8 mm         | ND.16.14.04   |
| 1/4" BSP M    | 1/4" BSP F    | Ø 22 mm  | 2 x Ø 0.9 mm         | ND.22.14.02   |
| 1/4" BSP M    | 1/4" BSP F    | Ø 22 mm  | 3 x Ø 0.8 mm         | ND.22.14.03   |
| M24x1.5 M     | M24x1.5 F     | Ø 30 mm  | 2 x Ø 1.0 mm         | ND.30.24.02   |
| M24x1.5 M     | M24x1.5 F     | Ø 30 mm  | 3 x Ø 1.2 mm         | ND.30.24.03   |
| M24x1.5 M     | M24x1.5 F     | Ø 30 mm  | 4 x Ø 1.0 mm         | ND.30.24.04   |
| M22x1.5 M     | 1/4" BSP F    | Ø 31 mm  | 2 x Ø 0.8 mm         | ND.31.03.14   |
| M22x1.5 M     | M24x1.5 M     | Ø 31 mm  | 3 x Ø 1.0 mm         | ND.31.03.24   |
| M22x1.5 M     | 1/4" BSP F    | Ø 31 mm  | 4 x Ø 0.8 mm         | ND.31.03.14   |
| M36x2 M       | M36x2 M       | Ø 50 mm  | 4 x M6               | ND.50.36M.36M |

## Insert Fan Jet Nozzle 602



### Model 602, Up To 750 Bar / 10K

The Insert Flat Fan Jet Nozzle is designed from hard and stainless steel. The flat fan gives you a high effective result. Insert Flat Fan Nozzle Model 602 is standard available from diameter 0,80 mm till 2,70 mm, other diameters are on request available.



### SPECIFICATIONS

| Part No. | Diameter                    | Length | Angle             | Thread    |
|----------|-----------------------------|--------|-------------------|-----------|
| 602.xxx  | From Ø 0,80 mm till 2,70 mm | 22 mm  | From 15° till 60° | 1/4" NPTM |

## Insert Round Jet Nozzle 546



### Model 546, Up To 750 Bar / 10K

The Insert Round Jet Nozzle model 546 is designed from hard and stainless steel. It is standard available from 0,80 diameter till 2,10 mm diameter. Other diameters are on request available.



### SPECIFICATIONS

| Part No. | Diameter                    | Length | Angle | Thread     |
|----------|-----------------------------|--------|-------|------------|
| 546.xxx  | From Ø 0,80 mm till 2,10 mm | 22 mm  | -     | 1/4" NPT M |

## Fan Jet Nozzle 08 & 019



### Model 08 & 019, Up To 2000 Bar

The Fan Jet Nozzle Model 08 and 019 are made from hard and stainless steel. The strong fan gives you a high effective result. The Fan Jet Nozzle Model 08 and 19 are standard available from 0,25 diameter till 5,0 mm diameter, other diameters are on request available. The nozzle is used for a lot of jetting gun applications.



### FAN JET NOZZLE MODEL 08

| Part No. | Diameter                    | LxØD/Ød (mm) | Angle            |
|----------|-----------------------------|--------------|------------------|
| 08.xxx   | From Ø 0,25 mm till 5,00 mm | 20x14/8      | From 10 till 45° |

### FAN JET NOZZLE MODEL 19

| Part No. | Diameter                    | LxØD/Ød (mm) | Angle            |
|----------|-----------------------------|--------------|------------------|
| 19.xxx   | From Ø 0,25 mm till 5,00 mm | 20x12/8      | From 15 till 45° |

### ADAPTOR 19 -> 08

| Part No.  | Special Tool | Part No. | Description       |
|-----------|--------------|----------|-------------------|
| FSP.04.01 | AD.04.01     | OR.04.19 | O-ring model 4/19 |
|           |              | OR.01.08 | O-ring model 1/8  |
|           |              | BA.01.08 | B-ring Type 1/8   |

### O-RING BACK UP RING

## Round Jet Nozzle 01 & 04



### Model 01 & 04, Up To 2000 bar / 29K

Made from hard and stainless steel, the long and sharp jet gives you a high effective result. Standard available from 0,40 diameter till 5,0 mm diameter, other diameters are on request available. This nozzle is also known as: Pencil jet, Hammelmann type A, Drop in nozzle, Uraca model Type P.



### STANDARD ROUND JET NOZZLE MODEL 01

| Part No. | Diameter                    | LxØD/Ød (mm) |
|----------|-----------------------------|--------------|
| 01.xxx   | From Ø 0,40 mm till 5,00 mm | 24x14/8      |

### STANDARD ROUND JET NOZZLE MODEL 04

| Part No. | Diameter                    | LxØD/Ød (mm) |
|----------|-----------------------------|--------------|
| 04.xxx   | From Ø 0,40 mm till 5,00 mm | 24x12/8      |

### ADAPTOR 04 -> 01

### O-RING BACK UP RING

| Part No. | Special Tool | Part No. | Description       |
|----------|--------------|----------|-------------------|
| AD.04.01 | FSP.04.01    | OR.04.19 | O-ring model 4/19 |
|          |              | OR.01.08 | O-ring model 1/8  |
|          |              | BA.01.08 | B-ring Type 1/8   |

## Ceramic Nozzles



### Up To 3000 bar

The continuous shape of the ceramic insert produces a very high efficiency and an unbeatable impactfull jet. This nozzles have also a very good performance in the field of runway rubber removal, road marking removal and road surface retexturing.



### SPECIFICATIONS

| Part No.               | Connection  | Max. Pressure |
|------------------------|-------------|---------------|
| Ceramic Nozzle 909-CER | Insert      | 3000 bar      |
| Ceramic Nozzle 916-CER | Insert      | 3000 bar      |
| Ceramic Nozzle 950-CER | Insert      | 3000 bar      |
| Ceramic Nozzle 952-CER | Insert      | 3000 bar      |
| Ceramic Nozzle 965-CER | M10         | 3000 bar      |
| Ceramic Nozzle 972-CER | 3/8"-24 UNF | 3000 bar      |

## Sapphire Nozzles



The extensive sapphire product range offers the right type of nozzle for most customer-specific system on the market. All sapphires are checked for scratches, cracks and flowrate. Through the guide sleeve we achieve an optimal water flow to the sapphire and the stone holder reduces the through hole, and serves the safety if a sapphire shatters.



### SPECIFICATIONS

| Part No.            | Connection | Max. Pressure   |
|---------------------|------------|-----------------|
| Sapphire Nozzle 030 | M3         | 1000 bar        |
| Sapphire Nozzle 040 | M4         | 1000 bar        |
| Sapphire Nozzle 046 | M4         | 3000 bar        |
| Sapphire Nozzle 060 | M6         | 1000 bar        |
| Sapphire Nozzle 065 | M6         | 3000 bar        |
| Sapphire Nozzle 080 | M8         | 1000 bar        |
| Sapphire Nozzle 082 | M8         | 2000 bar        |
| Sapphire Nozzle 165 | M6         | 1000 / 2500 bar |

## Sapphire Nozzle 270



### SPECIFICATIONS

| Part No.            | Connection | Max. Pressure |
|---------------------|------------|---------------|
| Sapphire Nozzle 270 | Insert     | 4000 bar      |



## Sapphire Nozzle 916



### SPECIFICATIONS

| Part No.            | Connection | Max. Pressure |
|---------------------|------------|---------------|
| Sapphire Nozzle 916 | Insert     | 3000 bar      |



## Sapphire Nozzle 950



### SPECIFICATIONS

| Part No.            | Connection | Max. Pressure |
|---------------------|------------|---------------|
| Sapphire Nozzle 950 | Insert     | 3000 bar      |



## Sapphire Nozzle 952



### SPECIFICATIONS

| Part No.            | Connection | Max. Pressure |
|---------------------|------------|---------------|
| Sapphire Nozzle 952 | Insert     | 3000 bar      |



## Sapphire Nozzle 964



### SPECIFICATIONS

| Part No.            | Connection | Max. Pressure |
|---------------------|------------|---------------|
| Sapphire Nozzle 916 | M10        | 3000 bar      |



## Sapphire Nozzle 965



### SPECIFICATIONS

| Part No.            | Connection | Max. Pressure |
|---------------------|------------|---------------|
| Sapphire Nozzle 965 | M10        | 3000 bar      |



## Sapphire Nozzle 972



### SPECIFICATIONS

| Part No.            | Connection    | Max. Pressure |
|---------------------|---------------|---------------|
| Sapphire Nozzle 972 | 3/8" - 24 UNF | 3000 bar      |



## Sapphire Nozzle SN716



### SPECIFICATIONS

| Part No.              | Connection     | Max. Pressure |
|-----------------------|----------------|---------------|
| Sapphire Nozzle SN716 | 7/16" - 20 UNF | 3000 bar      |



## Round Jet Nozzle 226



### Model 226, Up To 1000 bar / 15K

The Round Jet Nozzle Model 226 is made from hard and stainless steel. The round jet gives you a high effective result. The Round Jet Nozzle Model 226 is standard available from 0,8 mm diameter till 5 mm diameter, other diameters are on request available. This nozzle is also known as: high speed nozzle, Bunddüse, Hammelmann Type L.



### SPECIFICATIONS

| Part No. | Diameter                 | LxØD/Ød (mm) |
|----------|--------------------------|--------------|
| 226.xxx  | From Ø 0,80 mm till 5 mm | 28x17/12,5   |

## DERC Round Jet Nozzle HSN



### Model HSN, Up To 1000 bar / 15K

The Round Jet Nozzle Model HSN is made from hard and stainless steel. The round jet produces a focused water jet combined with a large max. flow. It is a perfect match for tank cleaning heads. The Round Jet Nozzle Model HSN is standard available from 1,4 mm diameter till 4,4 mm diameter, other diameters are on request available. This nozzle is also known as: high speed nozzle or Bunddüse.



### SPECIFICATIONS

| Part No. | Diameter                  | LxØD/Ød (mm) |
|----------|---------------------------|--------------|
| HSN.xxx  | From Ø 1,4 mm till 4,4 mm | 26x17/9      |

## Nozzle Inserts Metric



### Up To 3000 bar / 43K

The Nozzle Insert Metric is designed from hardened and stainless steel. The constant key quality gives you a high power and focused water jet.



### SPECIFICATIONS

| Part No.    | Thread | Type           | Max. Pressure  | Application        |
|-------------|--------|----------------|----------------|--------------------|
| 400.114.xxx | M4     | Fan Jet Nozzle | 3000 bar - 43K | Papermill industry |
| 400.115.xxx | M4     | RJ Nozzle      | 3000 bar - 43K |                    |
| 400.116.xxx | M6     | RJ Nozzle      | 1500 bar - 22K |                    |
| 400.117.xxx | M3     | RJ Nozzle      | 3000 bar - 43K | Special nozzle     |

## DERC Nozzle Holder for Paper Industry



### Designed for paper mill suction roll maintenance

Able to hold 5x M10 model P965 (round-jet) or F965 (fan-jet) nozzles, this holder streamlines the cleaning process while maximizing efficiency. With a seamless M24 Quick Lock connection, our nozzle holder ensures swift and hassle-free assembly. This facilitates quick maintenance turnaround times, minimizing downtime and optimizing overall productivity.



## Fan Jet Nozzle F965



Fanjet nozzle used for paper mill felt cleaning application. Used in combination with nozzle retainer M10 and Metso type manifold, see DERC Nozzle Holder for Paper Mill Applications (see above).



### SPECIFICATIONS

| Part No.    | Diameter               | LxØD/Ød (mm) | Angle     |
|-------------|------------------------|--------------|-----------|
| F965.xxx.xx | From 0,20 till 0,70 mm | 21.7x5/8     | 15° / 30° |

## Paper Mill Machine Nozzles PMN



The PMN nozzles for the paper industry are characterized by their very robust design and the self-produced synthetic ruby nozzle stone. A long service lifetime and a constant jet quality are guaranteed.



## Edge Trim Nozzles RSD



These high-performance RSD nozzles for paper cutting are characterised by their long lifetime, efficiency and quality. The extensive product range offers the right type of nozzle for most paper cutting systems. The ruby inserts used especially for this ensure that the nozzles enjoy a long service life and a constant jet performance.



## Paper Mill MSD Nozzles



Multi-Insert nozzle holder for paper mill production. Used during paper production for felt cleaning application. Connection M18 male with O-ring sealing, 2-9 long sharp jets and sapphire inserts for effective cleaning.



### SPECIFICATIONS

| Type       | Diameter                   | Part No.                       |
|------------|----------------------------|--------------------------------|
| 6740 MSD-2 | Ø 0.20, 0.25, 0.30         | 6740 MSD-2.020-6740 MSD-2.030  |
| 6740 MSD-3 | Ø 0.20, 0.25, 0.30         | 6740 MSD-3.020-6740 MSD-3.030  |
| 6740 MSD-4 | Ø 0.20, 0.25, 0.30         | 6740 MSD-4.020-6740 MSD-4.030  |
| 6740 MSD-6 | Ø 0.20, 0.25, 0.30         | 6740 MSD-6.020-6740 MSD-6.030  |
| 6740 MSD-9 | Ø 0.125, 0.15, 0.175, 0.20 | 6740 MSD-9.0125-6740 MSD-9.020 |

# DERC Adapters, Manifolds & Nozzle Holders

## DERC Adapters, Manifolds & Nozzle Holders



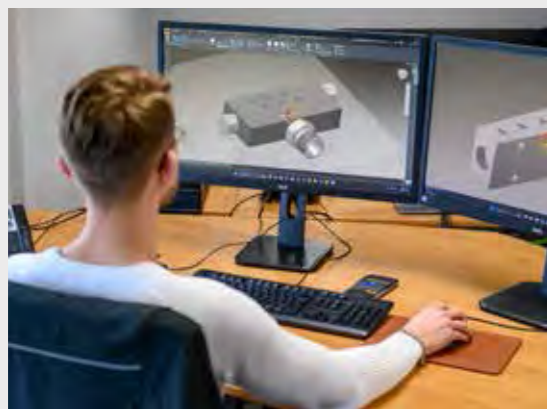
### DESIGNED & MANUFACTURED TO YOUR SPECIFICATIONS

#### Engineering

DERC Salotech offers a full range of adapters, manifolds and nozzle holders that can be custom made to your specifications. Our engineers will assist you in the development, design and manufacturing of the most effective, innovative and safe cleaning solutions for your organisation or your specific industrial cleaning objective.

#### Manufacturing

In our factory you will find a fine selection of craftsmen and specialists with a deep knowledge of water jetting technology. This team (guided by our engineers and engineering department) has the insights, competences and aspiration to guarantee a technical perfect product for you.



#### Stock Items

Besides custom made solutions, we also have a large stock of standard products that can be shipped with short delivery times.



REDUCING ADAPTERS



DOUBLE FITTINGS



SOCKETS



MANIFOLDS



NOZZLE HOLDERS & CAPS

## DERC Reducing Adapters



The tables below shows just a sample of the reducing adapters we provide. It consists of our standard product range that we can deliver quickly from stock. But there are endless possibilities with thread type and size that can be engineered and manufactured in our factory.



### ADAPTER MALE X MALE

| Thread 1 | Thread 2     | Max. Pressure | Part No.      |
|----------|--------------|---------------|---------------|
| M7x1     | 5/16" UNF    | 1000 bar      | NI.07MV.516UM |
| M22x1.5  | M24x1.5      | 1500 bar      | NI.22M.24M    |
| M22x1.5  | M24x1.5 flat | 1500 bar      | NI.24M.24MV   |
| M24x1.5  | 3/4" MP      | 1500 bar      | NI.24M.M12M   |
| M24x1.5  | 3/4" NPT     | 1000 bar      | NI.24M.34NM   |
| M24x1.5  | M36x2        | 1500 bar      | NI.24M.36M    |
| M24x1.5  | M36x2 flat   | 1500 bar      | NI.24M.36MV   |

### ADAPTER MALE X MALE

| Thread 1      | Thread 2      | Max. Pressure | Part No.    |
|---------------|---------------|---------------|-------------|
| 1/8" BSP      | 1/4" BSP      | 1500 bar      | NI.18M.14M  |
| 1/4" BSP      | M24x1.5       | 1500 bar      | NI.14M.24M  |
| 1/4" BSP      | 3/8" BSP flat | 1500 bar      | NI.14M.38MV |
| 1/4" BSP      | 13/16 UNF     | 1500 bar      | NI.14M.M9M  |
| 3/8" BSP      | 1/2" NPT      | 1000 bar      | NI.38M.12NM |
| 3/8" BSP      | M24x1.5       | 1250 bar      | NI.38M.24M  |
| 3/8" BSP flat | M24x1.5       | 1250 bar      | NI.38MV.24M |
| 1/2" BSP      | M22x1.5       | 1500 bar      | NI.12M.22M  |
| 1/2" BSP      | M24x1.5       | 1500 bar      | NI.12M.24M  |

### ADAPTER MALE X MALE

| Thread 1  | Thread 2 | Max. Pressure | Part No.   |
|-----------|----------|---------------|------------|
| 9/16" UNF | M24x1.5  | 1500 bar      | NI.M9M.24M |

## DERC Reducing Adapters



### ADAPTER MALE X MALE

| Thread 1 | Thread 2 | Max. Pressure | Part No.    |
|----------|----------|---------------|-------------|
| 1/4" NPT | 1/4" BSP | 1000 bar      | NI.14NM.14M |
| 3/8" NPT | M24x1.5  | 1000 bar      | NI.38NM.24M |
| 1/2" NPT | 1/2" BSP | 1000 bar      | NI.12NM.12M |
| 1/2" NPT | M24x1.5  | 1000 bar      | NI.12NM.24M |
| 3/4" NPT | M36x2    | 1000 bar      | NI.34NM.36M |

### ADAPTER MALE X FEMALE

| Thread 1  | Thread 2   | Max. Pressure | Part No.    |
|-----------|------------|---------------|-------------|
| M24x1.5 M | 3/4" NPT F | 1000 bar      | NI.24M.34NF |

### ADAPTER MALE X FEMALE

| Thread 1   | Thread 2        | Max. Pressure | Part No.     |
|------------|-----------------|---------------|--------------|
| 1/8" BSP F | M24x1.5 M       | 1500 bar      | NI.18FV.24M  |
| 1/4" BSP F | 3/8" NPT M      | 1000 bar      | NI.14FV.38NM |
| 1/4" BSP M | 3/8" BSP F      | 1500 bar      | NI.14MV.38F  |
| 1/4" BSP F | M24x1.5 M       | 1500 bar      | NI.14FV.24M  |
| 1/4" BSP F | 3/8" BSP M flat | 1500 bar      | NI.14FV.38MV |
| 3/8" BSP F | M24x1.5 M       | 1500 bar      | NI.38FV.24M  |
| 1/2" BSP F | M24x1.5 M       | 1500 bar      | NI.12FV.24M  |

### ADAPTER MALE X FEMALE

| Thread 1    | Thread 2   | Max. Pressure | Part No.     |
|-------------|------------|---------------|--------------|
| 1/16" NPT F | M7x1 M     | 1000 bar      | NI.116NF.07M |
| 1/4" NPT M  | 1/4" BSP F | 1000 bar      | NI.14NM.14FV |
| 1/2" NPT F  | M24x1.5 M  | 1000 bar      | NI.12NF.24M  |
| 3/4" NPT F  | M36x2 M    | 1000 bar      | NI.34NF.36M  |

### ADAPTER FEMALE X FEMALE

| Thread 1 | Thread 2 | Max. Pressure | Part No.    |
|----------|----------|---------------|-------------|
| 1/4" NPT | 1/4" BSP | 1000 bar      | NI.14NF.14F |
| 1/4" NPT | 3/8" BSP | 1000 bar      | NI.14NF.38F |

## DERC Double Fittings



The tables below shows just a sample of the double fitting adapters we provide. It consists of our standard product range that we can deliver quickly from stock. But there are endless possibilities with thread type and size that can be engineered and manufactured in our factory.



### DOUBLE FITTINGS BSP CONICAL

| Connection | Max. Pressure | Part No.   |
|------------|---------------|------------|
| 1/4"       | 1500 bar      | NI.14M.14M |
| 3/8"       | 1500 bar      | NI.38M.38M |
| 1/2"       | 1500 bar      | NI.12M.12M |

### DOUBLE FITTINGS BSP FLAT FACE

| Connection | Max. Pressure | Part No.     |
|------------|---------------|--------------|
| 1/4"       | 1500 bar      | NI.14MV.14MV |
| 3/8"       | 1500 bar      | NI.38MV.38MV |

### DOUBLE FITTINGS METRIC

| Connection | Max. Pressure | Part No.   |
|------------|---------------|------------|
| M7x1       | 1500 bar      | NI.07M.07M |
| M22x1.5    | 1500 bar      | NI.22M.22M |
| M24x1.5    | 1500 bar      | NI.24M.24M |
| M36x2      | 1500 bar      | NI.36M.36M |

### DOUBLE FITTINGS NPT

| Connection | Max. Pressure | Part No.     |
|------------|---------------|--------------|
| 1/4"       | 1000 bar      | NI.14NM.14NM |
| 1/2"       | 1000 bar      | NI.12NM.12NM |

### DOUBLE FITTINGS UNF

| Connection     | Max. Pressure | Part No.       |
|----------------|---------------|----------------|
| 5/16" - 24 UNF | 1000 bar      | NI.516UM.516UM |

## DERC Manifolds



### High pressure fittings

For all kind of applications DERC Salotech manufactures multi port manifolds, y-pieces and custom made solutions. The table below shows just a sample of what we can provide. It consists of our standard product range that we can deliver quickly from stock. But there are endless possibilities with thread type and size that can be produced in our factory.



### OPTIONAL ARMS AND HEADS

| Connection               | Size          | Max. Pressure | Part No.    |
|--------------------------|---------------|---------------|-------------|
| 3x 3/4" NPT F (Y)        | Ø 110 x 44 mm | 1000 bar      | MA.343NF    |
| 3x 9/16" MP F (Y)        | Ø 110 x 44 mm | 1500 bar      | MA.3916MP   |
| 3x 1/2" BSP F (Y)        | Ø 80 x 35 mm  | 1000 bar      | MA.123F     |
| 1x M36x2 F-3x 1/4" NPT F | Ø 55 x 70 mm  | 1000 bar      | MA.3-TLE36F |

## DERC Sockets



The tables below shows just a sample of the sockets we can provide. It consists of our standard product range that we can deliver quickly from stock. But there are endless possibilities with thread type and size that can be engineered and manufactured in our factory.



### SOCKETS BSP FLAT FACE

| Connection | Max. Pressure | Part No.     |
|------------|---------------|--------------|
| 1/4"       | 1500 bar      | NI.14FV.14FV |
| 3/8"       | 1250 bar      | NI.38FV.38FV |
| 1/2"       | 1500 bar      | NI.12FV.12FV |

### SOCKETS METRIC FLAT FACE

| Connection | Max. Pressure | Part No.     |
|------------|---------------|--------------|
| M7x1       | 1500 bar      | NI.M7FV.M7FV |
| M24X1.5    | 1500 bar      | NI.24FV.24FV |

### SOCKETS NPT

| Connection | Max. Pressure | Part No.     |
|------------|---------------|--------------|
| 1/4"       | 1000 bar      | NI.14NF.14NF |

## DERC Nozzle Holders & Caps



DERC Salotech manufactures a wide range of stainless steel nozzle holders and caps with a working pressure up to 2000 bar. The tables below shows just a sample of what we can provide. It consists of our standard product range that we can deliver quickly from stock, both nozzle holders for nozzles and all kind of tank cleaning heads. There are endless possibilities with thread type and size that can be produced in our factory.



### NOZZLE HOLDERS

| Nozzle Type         | Thread         | Length | Spanner | Max. Pressure | Part No.     |
|---------------------|----------------|--------|---------|---------------|--------------|
| T4/T19 (3/8" BSP M) | 3/8" BSP F     | 55 mm  | 23 mm   | 1200 bar      | 4050.6.38F   |
| T4/T19 (3/8" BSP M) | 3/8" NPT F     | 60 mm  | 27 mm   | 1000 bar      | 4050.6.38NF  |
| T4/T19 (3/8" BSP M) | 13/16" UNF     | 55 mm  | 27 mm   | 1500 bar      | 4050.6.916UF |
| T4/T19 (3/8" BSP M) | 9/16" - 18 UNF | 50 mm  | 27 mm   | 1500 bar      | 4050.6.916Y  |
| T1/T8 (1/2" BSP M)  | 3/8" NPT F     | 50 mm  | 27 mm   | 1000 bar      | 4050.8.38NF  |
| T1/T8 (1/2" BSP M)  | 9/16" UNF-18   | 50 mm  | 24 mm   | 2000 bar      | 4050.8.916Y  |
| T1/T8 (1/2" BSP M)  | M14x1.5 F      | 50 mm  | 24 mm   | 2000 bar      | 4050.8.M14Y  |

### NOZZLE CAPS

| Nozzle Type | Thread     | Length | Spanner | Max. Pressure | Part No.   |
|-------------|------------|--------|---------|---------------|------------|
| T4/T19      | 3/8" BSP F | 29 mm  | 27 mm   | 1500 bar      | 4050.2.005 |
| T1/T8       | 1/2" BSP F | 34 mm  | 28 mm   | 2000 bar      | 4050.2.007 |
| T226        | 1/2" BSP F | 62 mm  | 32 mm   | 1250 bar      | W3508      |
| T4/T19      | M24x1.5    | 40 mm  | 32 mm   | 1200 bar      | W4149      |



# DERC Rupture Disc Holder



## SAFETY DEVICE FOR HIGH PRESSURE PUMP SYSTEMS

The DERC Rupture Disc Holder is a safety device for high pressure units and systems. When the pressure gets higher than the rupture disc permits, the rupture disc will break out, which results in an immediate system pressure drop. Therefore the installation can never exceed the maximum pressure of the mounted bursting disc. The DERC Rupture Disc Holder holds a rupture disc.

### FEATURES

- Quick delivery time
- 1000, 1500 and 3000 bar
- 3 types of connections
- Made of stainless steel
- Also a portable version

### SPECIFICATIONS

| Part No.   | Max. Pressure | Connection                 | Disc Type |
|------------|---------------|----------------------------|-----------|
| D.RDH.1000 | 1000 bar      | 1/2" NPT                   | 1/2"      |
| D.RDH.1500 | 1500 bar      | 13/16" - 16 UNF (9/16" MP) | 1/4"      |
| D.RDH.3000 | 3000 bar      | 1 1/8" - 12 UNF (9/16" HP) | 1/4"      |

\*Other connections and pressures are available on request.

Scan for more info



## Rupture Disc



A Rupture Disc Holder holds a rupture disc. When the system pressure exceeds the maximum pressure of the rupture disc, it will break the rupture disc. As a result the water can now drain through the drain holes at the top of the Rupture Disc Holder.

A protective hood is installed over the drain holes is, which prevents the water from spraying around uncontrolled. The Rupture Disc can be placed in every Rupture Disc Holder. We offer two sizes: 1/2" and 1/4".



### RUPTURE DISC 1/2"

| Part No.  | Max. Pressure (bar) | Max. Pressure (kpsi) |
|-----------|---------------------|----------------------|
| RD-12-06K | 400                 | 6000                 |
| RD-12-08K | 550                 | 8000                 |
| RD-12-10K | 700                 | 10000                |
| RD-12-12K | 850                 | 12000                |
| RD-12-14K | 950                 | 14000                |
| RD-12-16K | 1100                | 16000                |
| RD-12-18K | 1260                | 18000                |
| RD-12-20K | 1400                | 20000                |

### RUPTURE DISC 1/4"

| Part No.  | Max. Pressure (bar) | Max. Pressure (kpsi) |
|-----------|---------------------|----------------------|
| RD-14-18K | 1260                | 18000                |
| RD-14-24K | 1655                | 24000                |
| RD-14-27K | 1861                | 27000                |
| RD-14-29K | 2000                | 29000                |
| RD-14-35K | 2414                | 35000                |
| RD-14-40K | 2758                | 40000                |
| RD-14-45K | 3103                | 45000                |
| RD-14-50K | 3448                | 50000                |
| RD-14-56K | 3860                | 56000                |

# DERC Automated Solutions Rail ASR

## DERC Automated Solutions Rail ASR

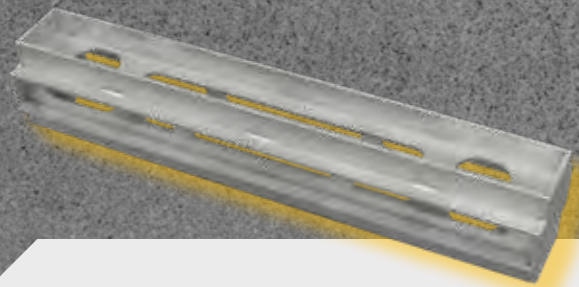
Scan for more info



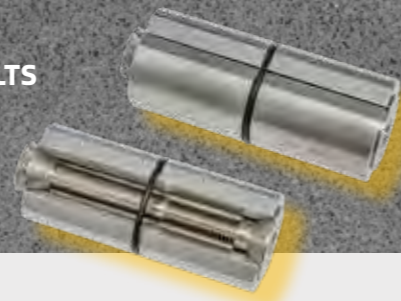
AUTOMATED SOLUTIONS RAIL 4"



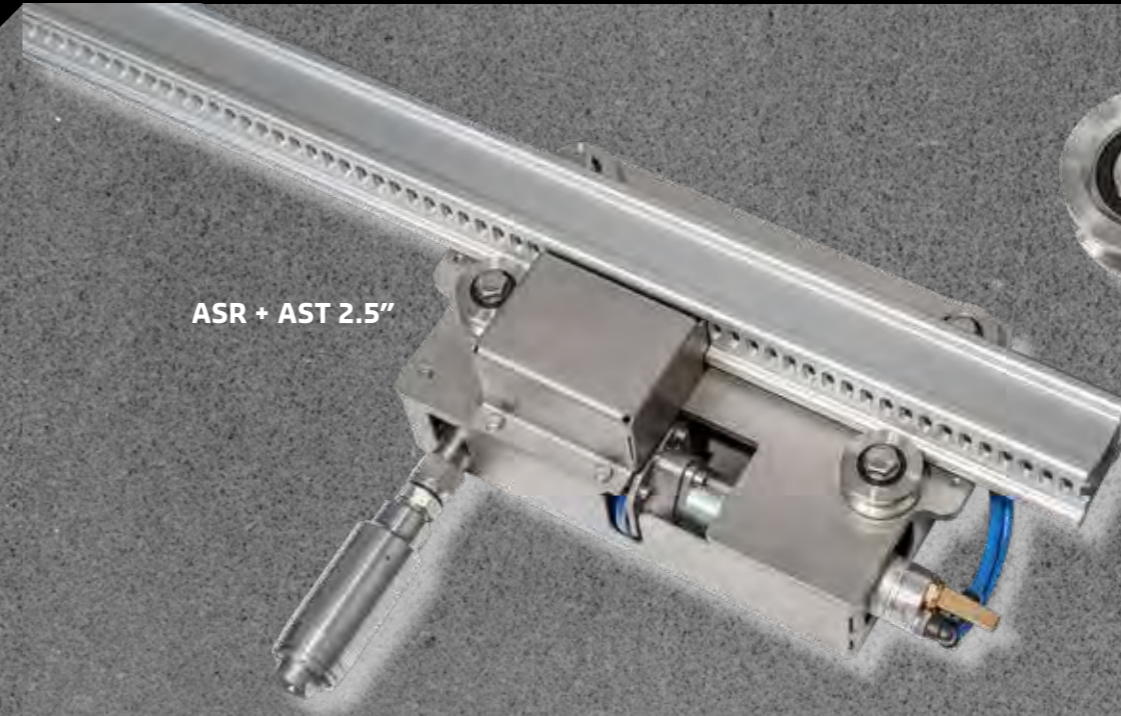
SPLICE TUBE



WEDGE BOLTS



ASR + AST 2.5"



ROLLERS WITH BEARING

## YOUR BASIS FOR AUTOMATED SOLUTIONS

For automated high pressure solutions the DERC Automated Solutions Rail (ASR) is the perfect basis. The slotted rail is strong and reliable.

### Sizes

The ASR is available as 2.5" or 4" and comes in different lengths up to 6000 mm.

### Connecting Multiple Rails

The DERC Splice Tube connects the 2.5" and 4" aluminium rails quick and effective and is easy to fit together with the Wedge Bolts.



### FEATURES

- Strong and reliable
- Endless possibilities
- Maintenance free rollers
- 2.5" or 4" model

### APPLICATIONS

- Powered tractors (AST)
- Powered swivels
- X-Y positioning

### ACCESSORIES ASR

| Accessory               | Part No.        |
|-------------------------|-----------------|
| Roller with bearing     | ASR-055         |
| Splice tube             | ASR-006         |
| Rail clamp              | ASR-060-R10     |
| Bolt M10 for rail clamp | ASR-060-M10     |
| End plate               | ASR-152         |
| Insert 4"               | ASR-070         |
| Wedge bolt slotted      | ASR-008-BU      |
| Wedge Bolt 2.5"         | ASR-008-BUC-2.5 |
| Wedge Bolt 4"           | ASR-008-BUC     |
| Splice Tube 2.5"        | ASR-006-2.5     |

### AUTOMATED SOLUTIONS RAIL

| Size     | Part No.     |
|----------|--------------|
| 2.5" ASR | ASR-2.5-6000 |
| 4" ASR   | ASR-4-6000   |



Automated Solutions Tractor 4"

### Automated Solutions Tractor

We offer air or hydraulic powered tractors (2.5" and 4" versions) for the ASR. These tractors, equipped with end switches for directional control, can be fitted with various water jetting tools. Both tractor and tool speeds are adjustable from a control panel.

# DERC Pre-Filter

## DERC Pre-Filter

Scan for more info



### PROTECT YOUR HIGH PRESSURE EQUIPMENT

The DERC Pre-filter filters your suction water and protects your valuable high pressure equipment. A filtration of 800 to 30 microns is possible by the use of two various filter elements. The stainless steel filter elements are easy to clean.

The Pre-filter comes standard with one outer and inner filter element. An individual filter element comes with a stainless steel filter mesh. A wide range of filter elements makes a filtration of 800 to 30 microns possible.

The water is filtered from the outside to the inside. The Pre-filter is equipped with a flush valve to clean your Pre-filter during operations.

Connect DERC Pre-filters to realise optimal filtration capacity. You can easily link a second or third Pre-filter, doubling or tripling your filter capacity. Just hook on to the clips on the frame and off you go. You can also connect Pre-filters in order to bypass a filter.

#### FEATURES

- Strong and reliable
- Endless possibilities
- Maintenance free rollers
- 2.5" or 4" model

#### APPLICATIONS

- Powered tractors (AST)
- Powered swivels
- X-Y positioning



#### SPECIFICATIONS

|                                  |              |
|----------------------------------|--------------|
| Single Pre Filter Ass.           | FL.15000.AS  |
| Max. Pressure                    | 10 bar       |
| Max. Capacity                    | max. 30 m3/h |
| Connection                       | Storz nok 81 |
| Couplers for Duplex System (Set) | FL.15200.AS  |

**Inner Filter Element FL12001.xxx**  
30/50/75/100/130/300/435 µm

**Outer Filter Element FL12002.xxx**  
75/100/130/200/300/435/800 µm

## DERC Lances



DERC Salotech offers a wide range of stainless steel (ultra) high pressure tubing till 4000 bar. We supply a wide range of tube sizes, ranging from from 1/4" (6.35 mm) up to 1" (33.4 mm). We cut and thread the lances to suit your application. Lengths available till 35 ft. (10.6 m), longer on request. All lances are delivered with certificates.



### WE HAVE A STOCK OF THE FOLLOWING TUBE SIZES:

| Connection | Max. Pressure | Outside Diameter | Inside Diameter |
|------------|---------------|------------------|-----------------|
| 1/4" UHP   | 4000 bar      | 6,35 mm          | 2,26 mm         |
| 3/8" UHP   | 4000 bar      | 9,53 mm          | 3,2 mm          |
| 9/16" UHP  | 4000 bar      | 14,3 mm          | 4,75 mm         |
| 3/8" MP    | 1500 bar      | 9,53 mm          | 5,15 mm         |
| 9/16" MP   | 1500 bar      | 14,3 mm          | 7,92 mm         |
| 3/4" MP    | 1500 bar      | 19,05 mm         | 11,1 mm         |
| 5/16"      | 1500 bar      | 7,9 mm           | 4,6 mm          |
| 1/8"       | 1000 bar      | 10,3 mm          | 5,58 mm         |
| 1/4"       | 1500 bar      | 13,7 mm          | 7,92 mm         |
| 3/8"       | 1500 bar      | 16,7 mm          | 10,75 mm        |
| 1/2"       | 1000 bar      | 21,34 mm         | 11,78 mm        |
| 3/4"       | 1000 bar      | 26,67 mm         | 15,55 mm        |
| 1"         | 1000 bar      | 33,4 mm          | 24,3 mm         |
| 24x7       | 1500 bar      | 24 mm            | 10 mm           |



CALL US +31 186 - 62 14 84

## DERC Stingers



Stingers are stainless steel high pressure ridged lances which are used when flex lancing. They are used to prevent boomeranging and to prevent nozzle and hose damage by whipping of the hose exiting the tube. For safe and easy flex lancing we manufacture all necessary stingers.



### STINGERS UP TO 1000 BAR

| Connection | Diameter      | Part No.     |
|------------|---------------|--------------|
| 5/16" UNF  | ø 10 mm       | VL516MFxxxx  |
| 1/16" NPT  | ø 10.5mm      | VL116NMFxxxx |
| 1/8" NPT   | ø 12 mm       | VL18NMFxxxx  |
| 1/4" NPT   | ø 16 mm       | VL14NMFxxxx  |
| 1/2" NPT   | Hexagon 27 mm | VL12NMFxxxx  |
| M24x1.5    | Hexagon 30 mm | VL24MFxxxx   |
| 3/4" NPT   | ø 40 mm       | VL34NMFxxxx  |

### STINGERS UP TO 1500 BAR

| Connection   | Diameter      | Part No.     |
|--------------|---------------|--------------|
| M7x1         | ø 9.4 mm      | ST07MFxxxx   |
| 1/4" UNF LH  | ø 9.5 mm      | ST14UMFxxxx  |
| 1/8" BSP     | ø 12 mm       | ST18MFxxxx   |
| 3/8" UNF LH  | ø 13 mm       | ST38UMFxxxx  |
| 1/4" BSP     | ø 16 mm       | ST14MFxxxx   |
| 9/16" UNF LH | ø 18 mm       | ST916UMFxxxx |
| M24x1.5      | Hexagon 30 mm | ST24MFxxxx   |
| M36x2        | Hexagon 46 mm | ST36MFxxxx   |

### STINGERS UP TO 2800 BAR

| Connection | Diameter  | Part No.      |
|------------|-----------|---------------|
| 3/8" UNF   | ø 12.7 mm | ST38UHMFxxxx  |
| 9/16" UNF  | ø 19 mm   | ST916UHMFxxxx |
| M14x1.5    | ø 19 mm   | STM14UHMFxxxx |

## DERC Short 90° Elbows



The tables below shows just a sample of the short 90° elbows we provide. It consists of our standard product range that we can deliver quickly from stock. But there are endless possibilities with thread type and size that can be engineered and manufactured in our factory.



### WE HAVE A STOCK OF THE FOLLOWING SHORT 90° ELBOWS:

| Angle | Thread             | Size        | Max. Pressure | Part No. |
|-------|--------------------|-------------|---------------|----------|
| 90°   | 1/2" BSP M/F       | 49x45x30 mm | 1500 bar      | 360.1453 |
| 90°   | M24x1.5 M/F        | 52x50x30 mm | 1500 bar      | 360.1455 |
| 90°   | M36x2 M/F          | 67x65x36 mm | 1500 bar      | 360.1456 |
| 90°   | 1/2" NPT - M24x1.5 | 55x50x30 mm | 1000 bar      | 360.1452 |
| 90°   | 9/16" MP - M24x1.5 | 55x50x30 mm | 1500 bar      | 360.1457 |

## Quick Connectors



Built for durability and convenience, these connectors offer a quick and safe connection for your high pressure hoses up to 1000 bar.



### QUICK CONNECTORS

| Plug       | Max. Pressure | Part No.      |
|------------|---------------|---------------|
| 3/8" NPT F | 1000 bar      | S34-32504-001 |
| 1/2" BSP F | 1000 bar      | 516001-BSPF   |
| 1/2" NPT F | 1000 bar      | 516001        |
| 3/4" NPT F | 800 bar       | 516054        |
| 1" NPT F   | 700 bar       | 516070        |

## DERC Long Radius Elbows



**45° and 90° stainless steel long radius elbows**  
For high pressure water jetting installations and all other applications DERC Salotech manufactures a complete range of high pressure stainless steel elbows (up to 3000 bar). These elbows have less pressure loss due to the bended tubing and design.



### ELBOW M24 SPECIFICATIONS

| Part No.         | 45° / 90° | Connection | Thread  | Max. Pressure |
|------------------|-----------|------------|---------|---------------|
| ELB.45.24M.24SW  | 45°       | M/F        | M24x1.5 | 1000 bar      |
| ELB.45.24SW.24SW | 45°       | F/F        | M24x1.5 | 1000 bar      |
| ELB.90.24M.24M   | 90°       | M/M        | M24x1.5 | 1000 bar      |
| ELB.90.24SW.24SW | 90°       | F/F        | M24x1.5 | 1000 bar      |
| ELB.90.24M.24SW  | 90°       | M/F        | M24x1.5 | 1000 bar      |

### ELBOW M36 SPECIFICATIONS

| Part No.         | 45° / 90° | Connection | Thread | Max. Pressure |
|------------------|-----------|------------|--------|---------------|
| ELB.45.36SW.36SW | 45°       | F/F        | M36x2  | 1500 bar      |
| ELB.90.36M.36M   | 90°       | M/M        | M36x2  | 1500 bar      |
| ELB.90.36SW.36SW | 90°       | F/F        | M36x2  | 1500 bar      |
| ELB.90.36M.36SW  | 90°       | M/F        | M36x2  | 1500 bar      |
| ELB.45.36M.36SW  | 45°       | M/F        | M36x2  | 1500 bar      |

### OTHER ELBOW SPECIFICATIONS

| Part No.         | 45° / 90° | Connection | Thread       | Max. Pressure |
|------------------|-----------|------------|--------------|---------------|
| ELB.90.01NM.36SW | 90°       | M/F        | 1" NPT M36x2 | 800 bar       |
| ELB.90.42M.42M   | 90°       | M/M        | M42x2        | 1000 bar      |
| ELB.90.42SW.42SW | 90°       | F/F        | M42x2        | 1000 bar      |
| ELB.90.42M.42SW  | 90°       | M/F        | M42x2        | 1000 bar      |

## Connectors & Cables



### Connecting Electricity

DERC Salotech offers a wide range of 4 or 7 pin connectors (soldered or crimped), accessories and cables. See the tables below for the full range of products.



#### STANDARD CONNECTORS, 7 PIN SOLDER CONNECTION

| Description                | Part No. |
|----------------------------|----------|
| Connector 7 pin M steel    | EL.01103 |
| Connector 7 pin F steel    | EL.01108 |
| Chassis part 7 pin M steel | EL.01101 |
| Chassis part 7 pin F steel | EL.01102 |

#### STANDARD CONNECTORS, 7 PIN, CRIMP CONNECTION

| Description                | Part No.     |
|----------------------------|--------------|
| Connector 7 pin M steel    | EL.01103.001 |
| Connector 7 pin F steel    | EL.01108.001 |
| Chassis part 7 pin M steel | EL.01101.001 |
| Chassis part 7 pin F steel | EL.01102.001 |
| Spare/replacement pin M    | 030-8586-000 |
| Spare/replacement pin F    | 031-8555-110 |

#### EXTRA ACCESSORIES FOR STANDARD CONNECTORS

| Description   | Part No.      |
|---|---------------|
| Protection plug 7 pin                               | EL.01106      |
| Protection plug 7 pin                               | EL.01107      |
| Seal for Chassis part                               | EL.075-8515-0 |
| Cable nut with pull release PG13 (incl. EL.116 336) | EL.100.2015   |
| Cable nut with pull release PG11                    | EL.100.2007   |
| Seal ring PG13 5-8 mm                               | EL.116.335    |
| Seal ring PG13 5-13 mm                              | EL.116.336    |

#### SKINTOP BENDING CONNECTION

| Description                     | Part No.     |
|---------------------------------|--------------|
| Skin bending connection PG11    | EL.530.15620 |
| Skin bending connection PG13    | EL.530.15630 |
| Skin bending connection M20x1.5 | EL.530.17630 |

#### OTHER CONNECTORS

| Description                      | Part No.      |
|----------------------------------|---------------|
| Connector 4 pin M steel          | EL.401326     |
| Connector 4 pin F steel          | EL.401327     |
| Connector 7 pin M plastic        | EL.3104.001   |
| Connector 7 pin F plastic        | EL.3105.001   |
| Chassis part 7 pin M plastic     | EL.3106.001   |
| Chassis part 7 pin F plastic     | EL.3107.001   |
| Connector 4 pin M plastic        | EL.3108.001   |
| Connector 4 pin F plastic        | EL.3109.001   |
| Chassis part 4 pin M plastic     | EL.3110.001   |
| Chassis part 4 pin F plastic     | EL.3111.000   |
| Connector 4 pin M steel crimp    | EL.401326.001 |
| Protection cap for EL.401326.001 | EL.401326.002 |
| Connector 4 pin F steel crimp    | EL.401327.001 |
| Protection cap for EL.401327.001 | EL.401327.002 |

#### ELECTRICAL CABLE 7 WIRE

| Description                        | Part No.    |
|------------------------------------|-------------|
| Electric cable 4 wire PUR 4 x 0.75 | EL.082.1020 |
| Electric cable 7 wire PUR 7 x 0.75 | EL.70000    |

## Emergency Stops, Remotes & Reels



### Cutting Off Power in Case of Emergency

DERC Salotech offers emergency stops and remote on/off switches to cut off power instantly. See the tables below for the available options.



#### REMOTE CONTROL

| Description  | Part No.    |
|--|-------------|
| Remote control On/Off + emergency switch and 7 pin M-F chassis part connectors, 2 channel      | EL.2000.002 |
| Remote control On/Off + Emergency switch with 3 m cable and 7 pin M steel connector, 2 channel | EL.6000.032 |

#### CABLE REEL

| Description  | Part No.    |
|--|-------------|
| Cable reel with 50 m cable, emergency switch and 7 pin M steel connector, 2 channel  | EL.4000.502 |
| Cable reel with 100 m cable, emergency switch and 7 pin M steel connector, 2 channel | EL.3000.102 |

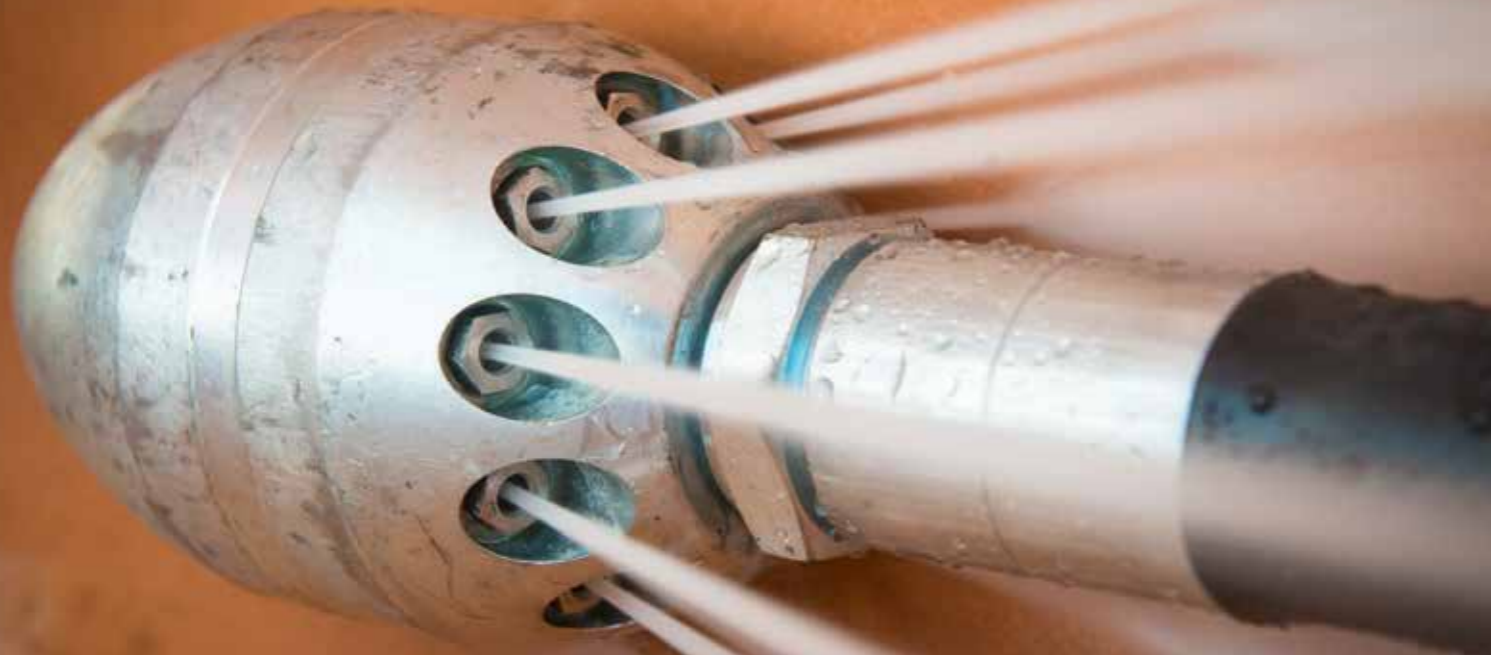
#### EMERGENCY STOP

| Description   | Part No.    |
|---|-------------|
| Emergency switch with 7/1 m cable and 7 pin M-F steel connectors, 2 channel | EL.5000.232 |

# Sewer Cleaning Nozzles

## Sewer Cleaning Nozzles

Scan for  
more info



## FAST AND EFFECTIVE CLEANING OF SEWER PIPES

For sewer cleaning applications DERC Salotech offers a wide range of nozzles with interchangeable carbide, ceramic or steel inserts. All nozzles are made by hardened steel, some of them by hardened stainless steel.

### Rotating & Vibration Action Nozzles

For the removal of calcified obstructions or limestone sediments, we offer rotating & vibration action nozzles.

### Desanders Nozzles

The main characteristics of the desanding nozzles are the high weight and the orientation of the jets towards the bottom of the pipe, so as to concentrate all the water flow of the pump in the thrust and simultaneous removal of mud, sand and sediment deposits. DERC Salotech recommends the use of rotary swivels to connect these heavy nozzles to the high pressure hoses. These nozzles are supplied with interchangeable ceramic or carbide (W) inserts. The latter ones are recommended with water recycling systems.

### FEATURES

- Rugged stainless steel construction
- Easy adjustable rotation speed
- With sharp hard hitting jets
- Max. working pressure 400 bar

### APPLICATIONS

- General sewer cleaning
- Grease removal
- Root cutting



### Root Cutting Nozzles

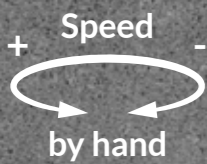
For the removal of roots, rust, limestone and unsuccessful liners, we offer rotating nozzles with chains. Chain nozzles should always be used with chains and centralizer suitable for the pipe diameter.

### Nozzles for Cleaning Domestic Drains (DN30-200)

The nozzles in this category satisfy the most ordinary cleaning needs in domestic and condominium pipelines, combining materials (stainless steel and not), weight, small dimensions and thrust jet inclinations. Normally these nozzles have 1/8", 1/4", 3/8", and 1/2" female threads but they are also available with male threads.



# DERC Sewer Razor



## SPEED CONTROLLED SEWER CLEANING NOZZLE

The DERC Sewer Razor is the first sewer tool on the market with an easy to adjust rotating speed, making it the most versatile tool available.

### Rotation Speed

It's unique speed controlled swivel is supported by a rugged centralizer to withstand hard deposits. The speed of rotation is easy to set manually to create the right tool for each job.

### Jetting Heads

The jetting head of the DERC Sewer Razor is equipped with one front jet offset for unplugging and four jets for cleaning and pulling. The DERC Sewer Razor can be outfitted with two different heads; one for a high capacity pump and one for a smaller pump. Other heads for descaling and custom made models are possible.

### FEATURES

- Rugged stainless steel construction
- Easy adjustable rotation speed
- With sharp hard hitting jets
- Max. working pressure 400 bar

### APPLICATIONS

- General sewer cleaning
- Grease removal
- Root cutting
- Final finishing before camera inspection

## DERC Sewer Razor

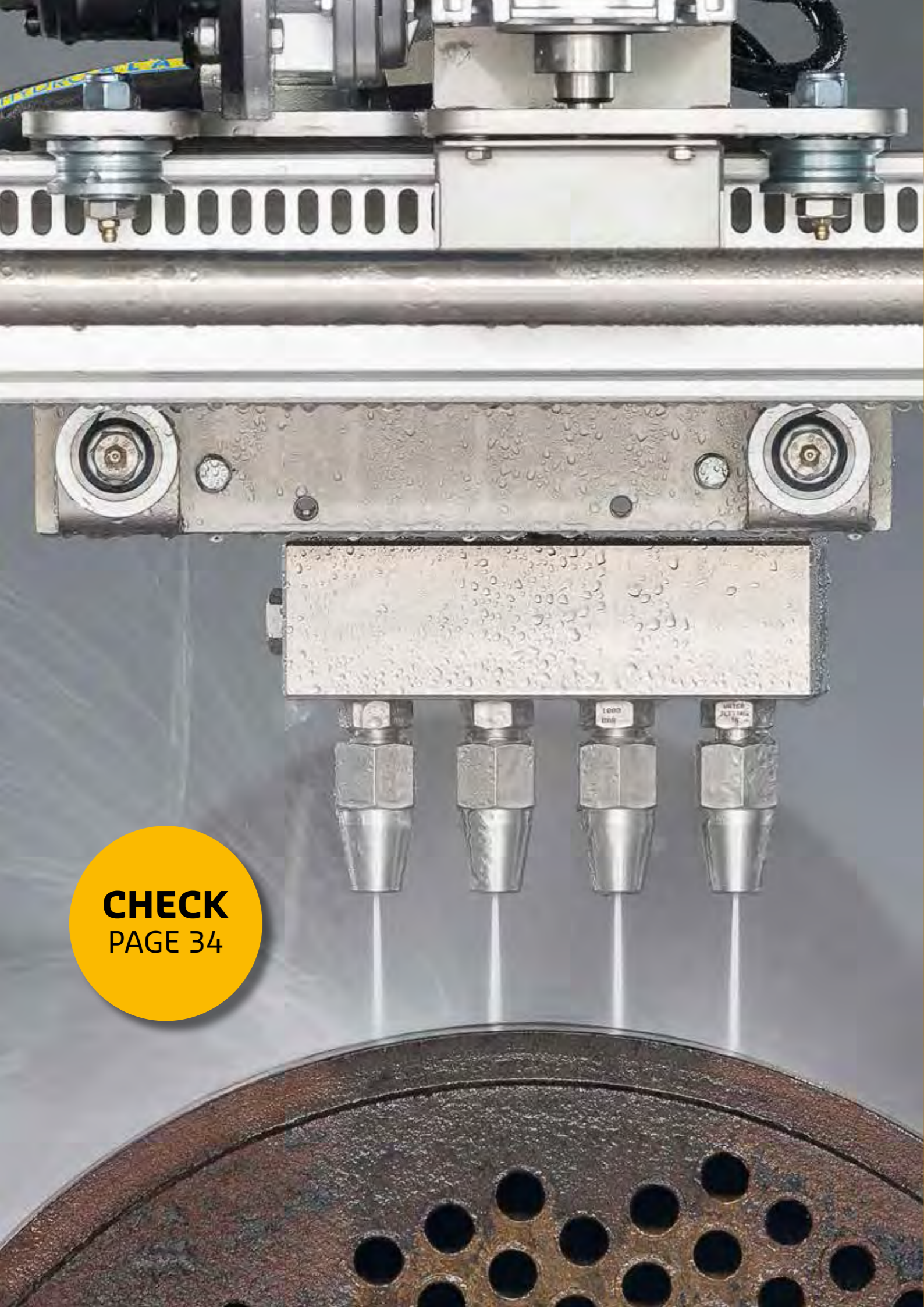
Scan for more info



### SPECIFICATIONS

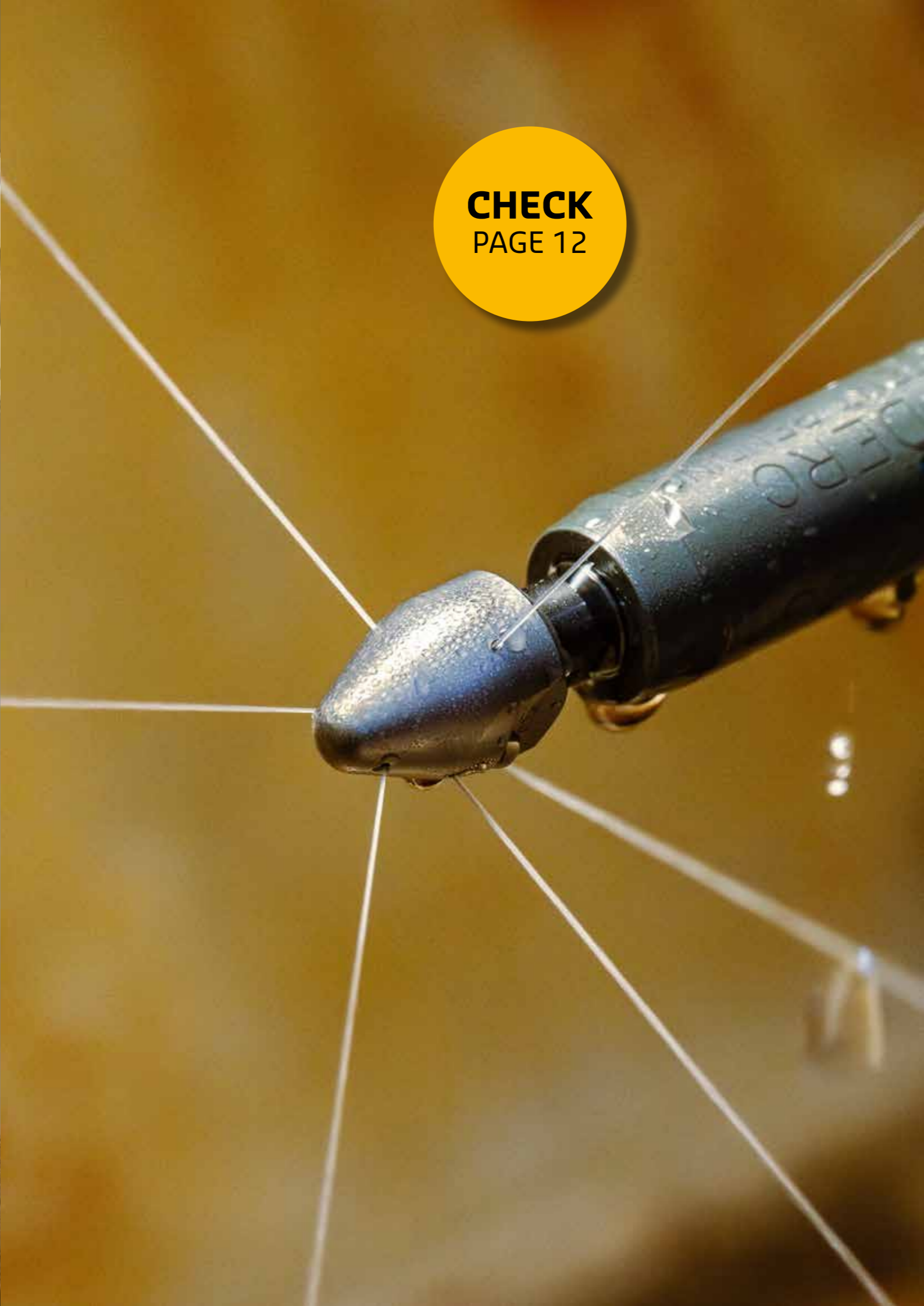
| Max. Flow | Dimensions     | Connection                                   | Nozzles                             | Rotation Speed           | Max. Pressure |
|-----------|----------------|--|-------------------------------------|--------------------------|---------------|
| 380 lpm   | Ø 125 x 213 mm | 1" BSP female (other connections on request) | DSI 14 1/4"NPT with flow stabilizer | Adjustable up to 300 rpm | 400 bar       |





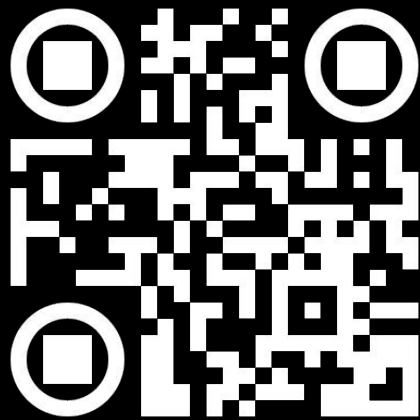
**CHECK**  
PAGE 34

**CHECK**  
PAGE 12



# CALDER

**We are the DERC Salotech UK Agent**



**Learn more about DERC's  
products**

**Calder Ltd  
Prescott Drive  
Worcester  
WR4 9NE**

**+44 1905 751790**

**sales@calder.co.uk**

**www.calderltd.com**