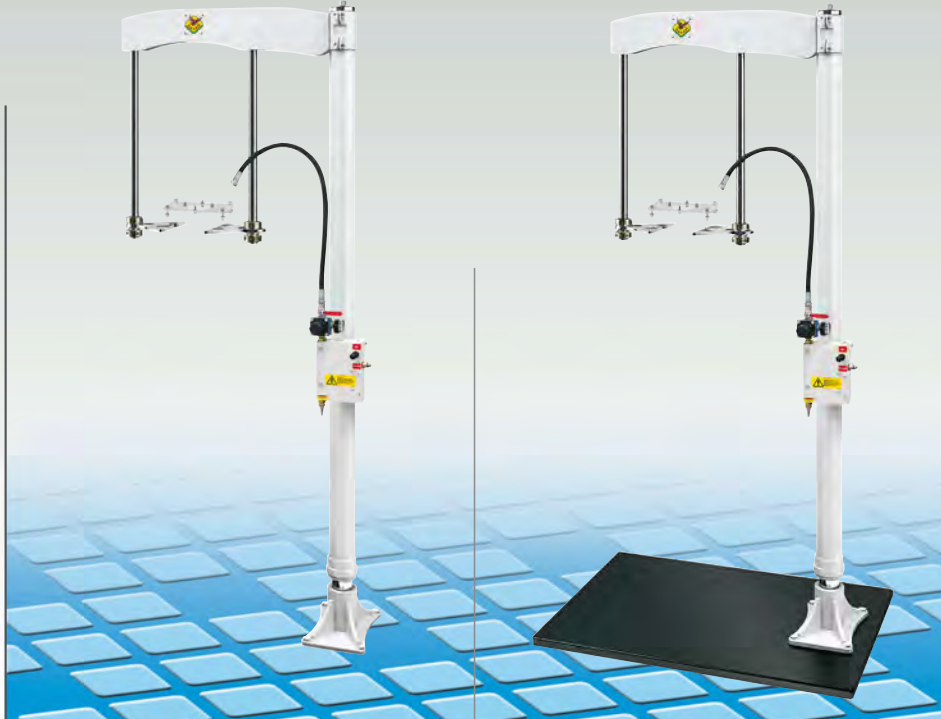




# Air-operated pump elevator

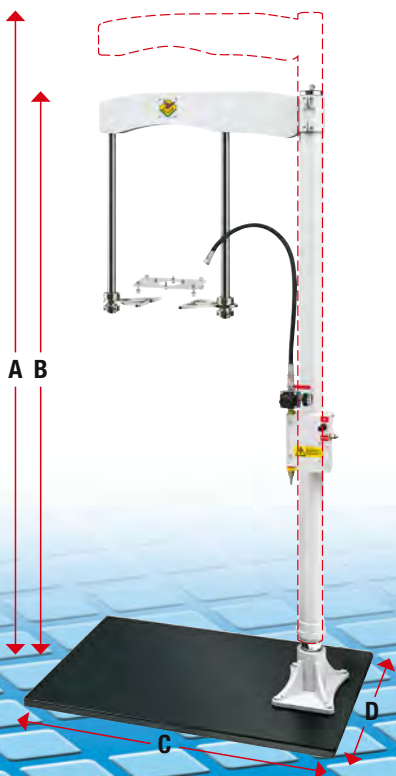
1 column

The Pump elevators are available in single column (with or without basement) or twin column version. It is raised by compressed air, via the side mounted 3-way valve allowing to change the drum easily and quickly. A special version of the twin columns elevator is equipped with 2 rods which connected to a special follower plate (available on request) may push it downward making easier suction of the fluid and increasing the performance of the pump. They are available for 180-220 Kg drums.



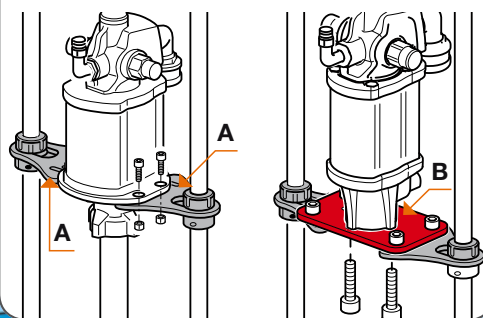
| Article                     | 10/81   | 10/80                                      |
|-----------------------------|---|--|
| Column                      | 1   | 1  |
| Suitable for drums          | 180 - 220   | 180 - 220                                  |
| Working temperature         | + 2 °C + 40 °C                                      | + 2 °C + 40 °C                             |
| Pressione max               | 8   | 8  |
| Usable pumps                | S. 600 - 700 grease pump - 900 - 1200 - 1500 - 1800 |  |
| Noise level                 | negligible (< 70)                                   |  |
| Pushing force upwards at:   | * 4 bar 113 kg - 6 bar 170 kg - 8 bar 226 kg        | 4 bar 113 kg - 6 bar 170 kg - 8 bar 226 kg |
| Pushing force downwards at: | -   | -  |
| Packing                     | 1 - 0,679   | 1 - 1,165                                  |
| Gross weight                | 75  | 97   |
| Height max/min (A - B)      | 271,5 - 171,5                                       | 275 - 175                                  |
| Dimensions (C - D)          | 14 - 25,5   | 86,6 - 63                                  |

Nota: \*theoretical values, the coefficients of friction are not calculated.



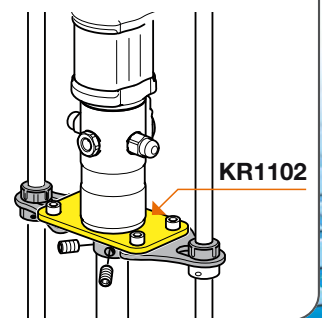
## STANDARD BRACKETS

All the elevators are equipped with 2 standard brackets (A - B) suitable for mounting all our industrial pumps.



## BRACKETS ON REQUEST

**KR1102:** Special support suitable to mount pump with ø 30 mm suction tube.



## 2 column



**10/82**

2

180 - 220  
+ 2 °C + 40 °C

8

S. 600 - 700 grease pump - 900 - 1200 - 1500 - 1800  
negligible (< 70)

\*

4 bar 226 kg - 6 bar 339 kg - 8 bar 452 kg

-

1 - 1,406

128

275 - 175

108,6 - 63

## 2 column + fluid press



**10/85**

2

180 - 220  
+ 2 °C + 40 °C

8

S. 600 - 700 grease pump - 900 - 1200 - 1500 - 1800  
negligible (< 70)

\*

4 bar 509 Kg - 6 bar 763 Kg - 8 bar 1017 Kg

\*\*

4 bar 432 Kg - 6 bar 648 Kg - 8 bar 864 Kg

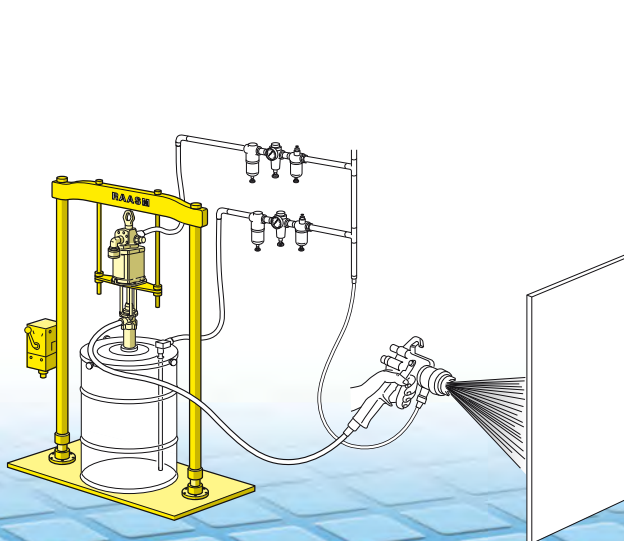
1 - 1,840

187

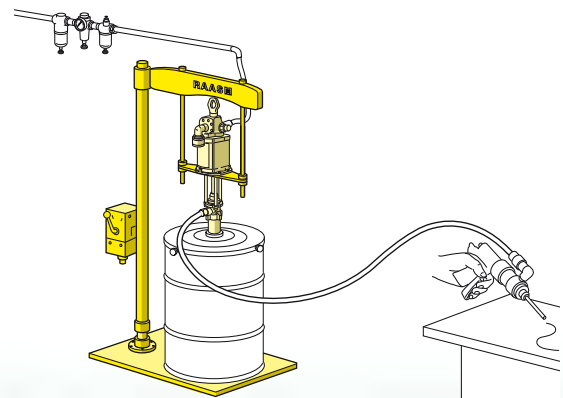
280 - 180

108,6 - 63

**Nota: \*\***theoretical figures: friction has not been considered. Furthermore depression's force created by the pump during suction (+2100 Kg) must be added to the listed figures.



Fluid distribution system (for paints, lubricants, protective liquids, etc.) fed by pump mounted on drum in fixed station and delivery with spray gun.



Automated system for the delivery of preselected quantities of fluids (inks, paints, greases, etc.), fed by pump mounted on drum, with twin column ram



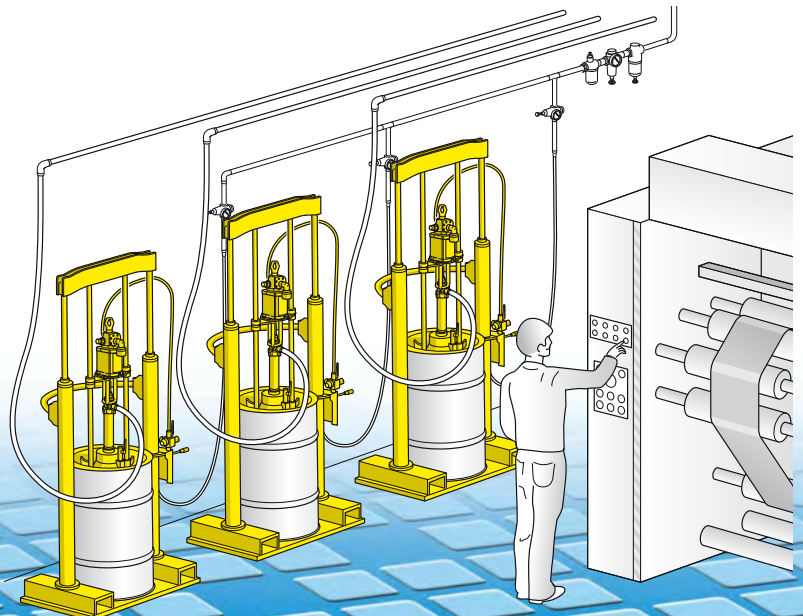
# Air-operated twin column ram hoist

low pressure/high flow rate

**Air-operated twin column ram hoist with industrial pump.** It is raised and lowered by compressed air, via the side mounted 3-way valve. Essential when pumping high viscosity and heavy fluids since ram pushes down the follower plate helping pump working. It is suitable for 180- 220 Kg drums.



| Article with follower plate with pump seals | NBR<br>PU           | 10/1561P1N      | 10/1881P1N      |
|---|---------------------|-----------------|-----------------|
| Ratio                                       |                     | <b>6:1</b>      | <b>8:1</b>      |
| Flow rate                                   |                     | <b>80 l/min</b> | <b>65 l/min</b> |
| Pump  | Art.                | 150D/61         | 180D/81         |
| Suction tube                                |                     | F 2" G          | F 2" G          |
| Twin column ram                             | Art.                | 10/85           | 10/85           |
| Follower plate                              | Art.                | 11/60           | 11/60           |
| Adaptors for follower plate                 | Art.                | 21/62           | 21/62           |
| Pump connection hose                        | Art.                | 996.3015        | 996.3015        |
| Follower plate connection hose              | Art.                | 995.301         | 995.301         |
| Suitable for drums                          | Kg                  | 200             | 200             |
| Packing                                     | N° - m <sup>3</sup> | 1 - 1,80        | 1 - 1,80        |
| Weight                                      | Kg                  | 263             | 266             |
| Height max/min (A - B)                      | cm                  | 280 - 180       | 280 - 180       |
| Dimensions (C - D)                          | cm                  | 108,6 - 63      | 108,6 - 63      |



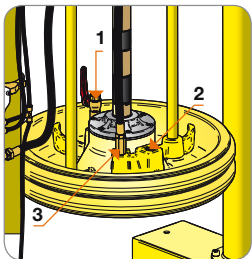
medium pressure/medium flow rate

high pressure/low flow rate

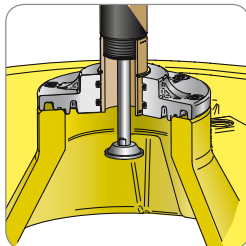


| 10/09111P1N     | 10/12181P1N     | 10/12401P1N      | 10/09451P1N       | 10/12751P1N       | 10/15701P1N     |
|-----------------|-----------------|------------------|-------------------|-------------------|-----------------|
| <b>11:1</b>     | <b>18:1</b>     | <b>40:1</b>      | <b>45:1</b>       | <b>75:1</b>       | <b>70:1</b>     |
| <b>30 l/min</b> | <b>23 l/min</b> | <b>10 kg/min</b> | <b>4,4 kg/min</b> | <b>4,4 kg/min</b> | <b>7 kg/min</b> |
| 90F/111         | 115F/181        | 118FSP/401       | 90FSP/451         | 115FSP/751        | 153FSP/701      |
| ø 45            | ø 45            | ø 50,8           | ø 45              | ø 45              | ø 50,8          |
| 10/85           | 10/85           | 10/85            | 10/85             | 10/85             | 10/85           |
| 11/60           | 11/60           | 11/60            | 11/60             | 11/60             | 11/60           |
| 21/64           | 21/64           | 21/65            | 21/64             | 21/64             | 21/65           |
| 996.3015        | 996.3015        | 996.3015         | 996.3015          | 996.3015          | 996.3015        |
| 995.301         | 995.301         | 995.301          | 995.301           | 995.301           | 995.301         |
| 200             | 200             | 200              | 200               | 200               | 200             |
| 1 - 1,80        | 1 - 1,80        | 1 - 1,80         | 1 - 1,80          | 1 - 1,80          | 1 - 1,80        |
| 225             | 226             | 231              | 228               | 230               | 238             |
| 280 - 180       | 280 - 180       | 280 - 180        | 280 - 180         | 280 - 180         | 280 - 180       |
| 108,6 - 63      | 108,6 - 63      | 108,6 - 63       | 108,6 - 63        | 108,6 - 63        | 108,6 - 63      |

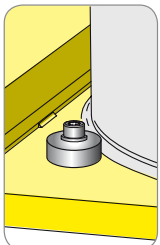
Technical features



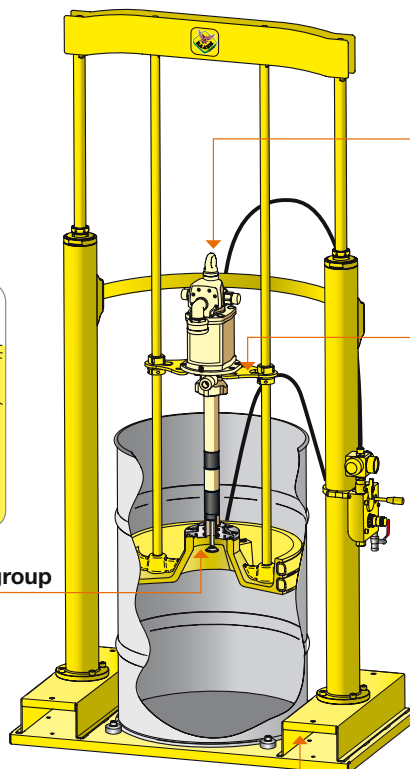
- 1 Ball cock for air bleeding during followerplate setting on new drum
- 2 Optional connection to pump outlet for pump starting and air bleeding when using a new drum
- 3 Air hose connection for follower plate lifting



Conical follower plate and bottom pumping group

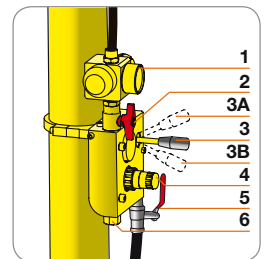


References to centre the drum



Pump feeding air inlet

Support with pump positioning clamps



- 1 Pressure regulator with manometer for pump air feeding
- 2 Pump air feeding ball cock
- 3A Follower plate and pump lifting position
- 3 Off position
- 3B Follower plate descent position
- 4 Pressure regulator with manometer for twin column ram air feeding
- 5 Ball cock to put air under the follower plate for pump lifting
- 6 Air inlet connection