

# Air operated piston pumps for food, cosmetics and sanitary applications.

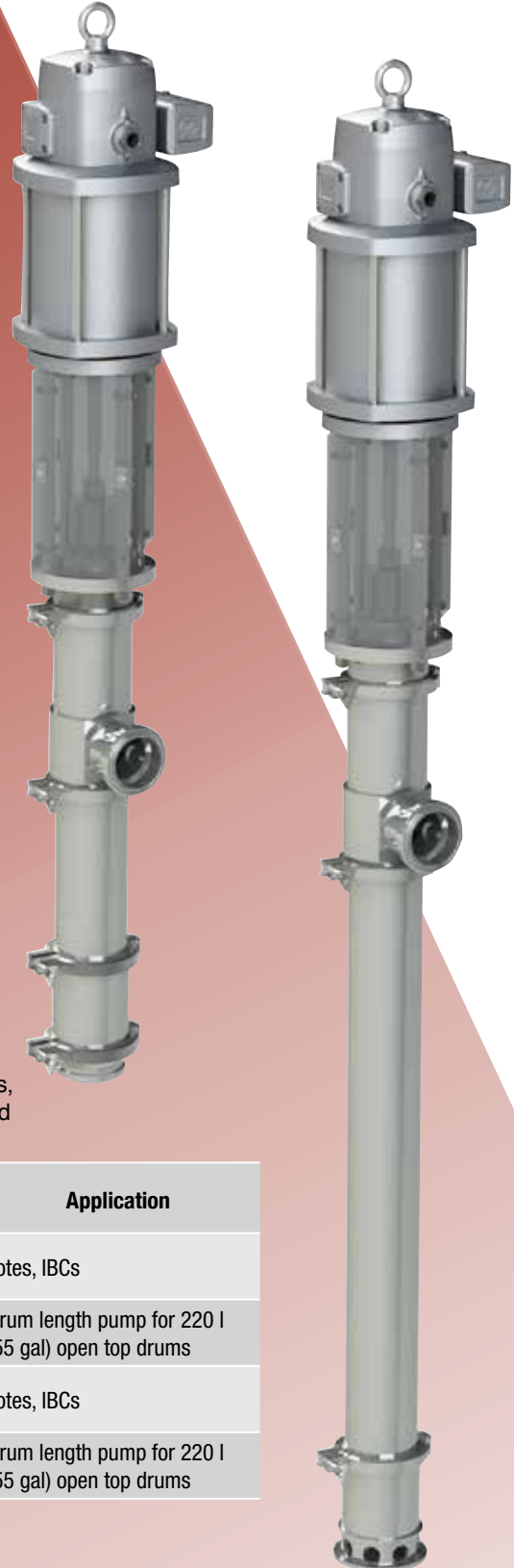
Ultra clean, quick-knock-down (QKD) design piston pumps for use in food, cosmetic and sanitary applications. The QKD design of this pumps assures that the pump be easily dissembled and reassembled for effectively cleaning all internal pump components.

## Main features:

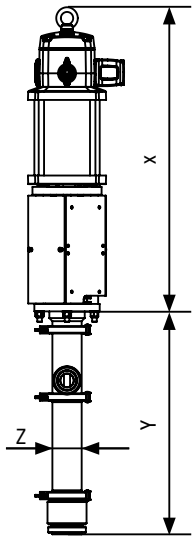
- Handle medium to high viscosity products and raw materials in different markets:
  - Food industry,**  
tomato paste, mayonnaise, mustard, jam, honey, caramel, vegetable puree, meat puree, fruits concentrates, crème patisserie, sauces, etc.
  - Cosmetic and pharmaceutical industries,**  
shampoo, toothpaste, gel, sun cream, body scrub, essences, face mask, paraffin, etc.
- Extremely high suction and self-priming capability.
- Up to 30 l/min (8 gal/min) maximum flow rate.
- Outlet pressure up to 60 bar (870 psi).
- Easy pumping control actuating at the air inlet.
- Can be completely stripped down and rebuilt in 5 minutes without the aid of tools.
- Manufactured in high quality hygienic materials to meet FDA requirements: stainless steel 316 and food grade UHMW-PE seals.
- Very few wear parts.

## ORDERING INFORMATION

Available in long version for open top drums or short (stubby) version for totes, IBCs or any other container with outlet valves. The pump can also be supplied with an adaptor to make the pump interchangeable.



| PART No. | Fluid inlet | Fluid outlet | Pump ratio | Delivery per cycle | Weight         | Application  |
|----------|-------------|--------------|------------|--------------------|----------------|--|
| 549 000  | 3"          | 2"           | 10:1       | 650 cc             | 40 Kg (88 lb)  | Totes, IBCs  |
| 549 001  | Drum valve  | 2"           | 10:1       | 650 cc             | 49 Kg (108 lb) | Drum length pump for 220 l (55 gal) open top drums |
| 549 500  | 4"          | 3"           | 5:1        | 1.072 cc           | 52 Kg (115 lb) | Totes, IBCs  |
| 549 501  | Drum valve  | 3"           | 5:1        | 1.072 cc           | 57 Kg (125 lb) | Drum length pump for 220 l (55 gal) open top drums |



- All pump parts can be very easily stripped out and rebuilt without the use of tools.
- Quick knock down lowers for fast and easy cleaning.
- Lowers manufactured in polished AISI 316 stainless steel for longer life and no corrosion.

#### TECHNICAL SPECIFICATIONS

|   |  |
|---|--|
| <b>Pump Ratio</b>                         | Models with 5:1 and 10:1   |
| <b>Air motor effective diameter</b>       | 6" (150 mm)  |
| <b>Stroke</b>                             | 6" (150 mm)  |
| <b>Max air pressure</b>                   | 7 bar (100 psi)  |
| <b>Max fluid pressure (5:1 pumps)</b>     | 35 bar (500 psi)   |
| <b>Max fluid pressure (10:1 pumps)</b>    | 70 bar (1,000 psi)   |
| <b>Delivery per cycle (5:1 pumps)</b>     | 1.072 cc   |
| <b>Delivery per cycle (10:1 pumps)</b>    | 650 cc   |
| <b>Air exhaust</b>                        | Exhaust muffler included (3/4" (F) threaded port for remote exhaust)     |
| <b>Air inlet port</b>                     | 1/2" NPSM  |
| <b>Noise level @ 7 bar (100 psi)</b>      | 80 dB (A) at 1 m (3.3')  |
| <b>Air motor &amp; pump assembly</b>      | Divorced design  |
| <b>Wetted materials*</b>                  | AISI 316 and AISI 304 stainless steel and food grade UHMWPE, acetal, FKM |
| <b>Fluid outlet port</b>                  | 5:1 pumps: 3" Tri-clamp<br>10:1 pumps: 2" Tri-clamp                      |
| <b>Fluid inlet port (stub pumps only)</b> | 5:1 pumps: 4" Tri-clamp<br>10:1 pumps: 3" Tri-clamp                      |

\*Complies with FDA regulations

#### ACCESSORIES



Part No.: 391 027  
Pump cart for stub pumps  
Pump not included



Part No.: 391 026  
Pump lift for 220 l (58 gal) drums  
Pump not included

| Model            | Dimensions (X-Y-Z)                                   |
|------------------|--|
| 10:1 stub        | 780 mm - 722 mm - 76 mm<br>30-3/4" - 28-1/2" - 3"    |
| 10:1 drum lenght | 780 mm - 1.285 mm - 76 mm<br>30-3/4" - 50-1/2" - 3"  |
| 5:1 stub         | 780 mm - 722 mm - 102 mm<br>30-3/4" - 50-1/2" - 4"   |
| 5:1 drum lenght  | 780 mm - 1.285 mm - 102 mm<br>30-3/4" - 50-1/2" - 4" |

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