

HygienPump

PUMPS FOR VISCOUS LIQUID FOR FOOD,
COSMETIC AND PHARMA INDUSTRY

AISI 316L HIGH LUSTER
STAINLESS STEEL



**Pumps based on
a new design.
Components easily
detachable by hand
without requiring
special tools for better
cleaning and hygien.**

**Effective and
innovative mechanical
seals.**



www.zp-arrow.com



**OPERABILITY
RELIABILITY
ROBUSTNESS**

M70/H52 316 Stainless steel pump



FIELD OF APPLICATION

Pump with 2:1 **hygienic design**, it is quickly disassembled for cleaning or sanitizing the single components. Easy to handle and versatile, it has **variable flow rates up to 23 l/min** (water). It is also suitable for insertion into closed jugs with holes 2". It can be used for **low and medium viscosity fluids (up to 40.000 cP)** is made in **AISI 316 Stainless steel** suitable for any **food or cosmetic product**, as well as for medical-health use.

MAIN FEATURES OF HYGIENE PUMPS

They are **pumps based on a new design**, created to be quickly disassembled by hand without the need for any special tools. The functional concept is based on an alternating piston with ball check valves, the **flow and head are adjustable**, they are designed for **viscous food products and cosmetic fluids** or also for production processes for **medical creams**. The part in contact with the product is made entirely in **AISI 316 Stainless steel**, the **FDA** gasket seals are made in **NBR** or **FKM**, **UHMWPE**, or **PTFE**.

The **gasket seal on the shaft does not require adjustment**, and is efficient with any viscosity and pressure, and also is long-lasting. These pumps do not require any special maintenance, are sturdy, and reliable, **easy to disassemble for periodical cleaning or for sanitizing the single components**. The complete range can be supplied with **ATEX Zone 1 certification** for the motor section and **ATEX Zone 0** for the pump immersed in liquid. This therefore makes them **suitable for use in potentially explosive atmospheres**.

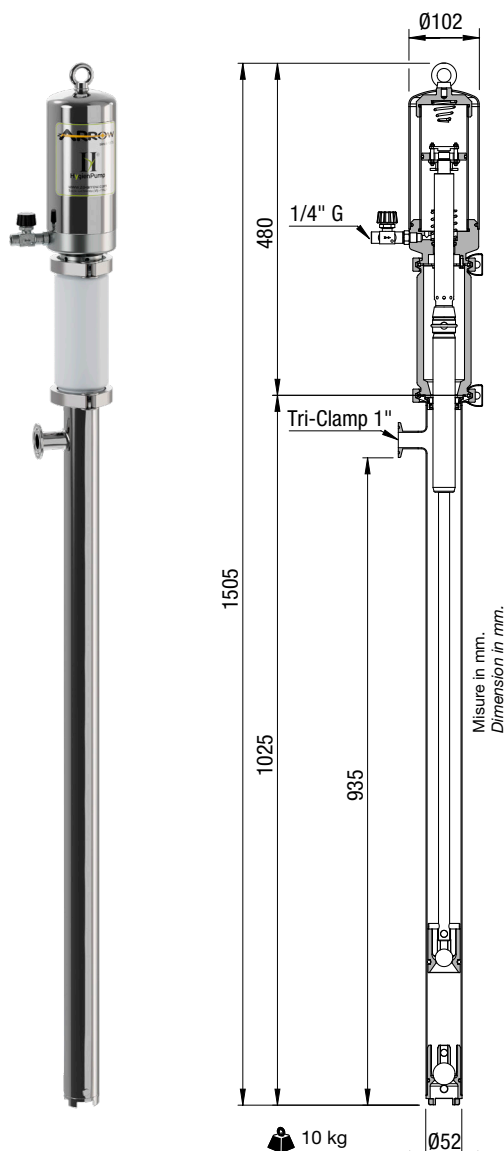
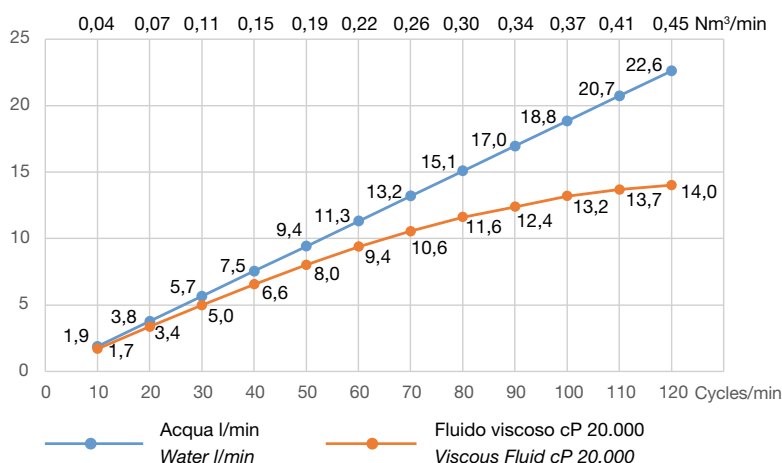
They are used by immersing the pumping piston in the fluid, or also outside of the product container. For the latter use, we can supply **Stainless steel fittings** and **flexible hoses** to connect the suction and the outlet. We can supply a **transport trolley**, or a **cushioned support for wall mounting**.

For efficient and safe use, we recommend our **pneumatic elevator on wheels or fixed on the ground**.

TECHNICAL DATA

Maximum cycles/minute	120 cycles/min
Air consumption at 120 cycles/min	0,45 Nm ³ / min - Power supply 6 bar (87 psi)
Delivery at 120 cycles/min	23 liters/min (Free flowing water)
Delivery per cycle	0,188 liters per Cycle (Free flowing water)
Ambient temperature	0 °C at + 40 °C
Maximum fluid temperature	+ 85 °C
Fluid outlet	1" Tri-Clamp
Compression ratio	2:1
Air inlet	1/4" G
Air pressure	up to 7 bar (100 psi)
Pump components	316 Stainless steel with parts in PTFE, UHMWPE, FKM, NBR FDA

Alimentazione aria 6 bar. Consumo Nm³/min
Air feeding 6 bar. Air consumption Nm³/min



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M70/H52 316 Stainless steel topping pump



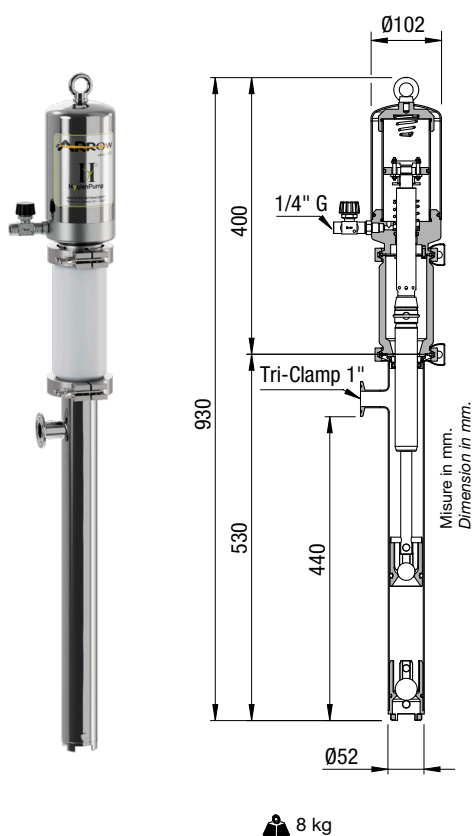
FIELD OF APPLICATION

It is a pump **2:1** with a **hygienic design**, easy to handle and versatile, it has **variable flow rates up to 11 l/min** (water) with a short suction tube for small jugs. It can be used for **medium viscosity fluids (up to 40.000 cP)** is made in **AISI 316** suitable for any **food product**, in this version it is especially suitable for **ice cream toppings** for anyone who requires a **very hygienic pump** that is quickly disassembled for cleaning or sanitizing the single components. To use with toppings, if reduced flow is necessary, there is a **ball valve with partial closure** on the outlet.

MAIN FEATURES OF HYGIENE PUMPS

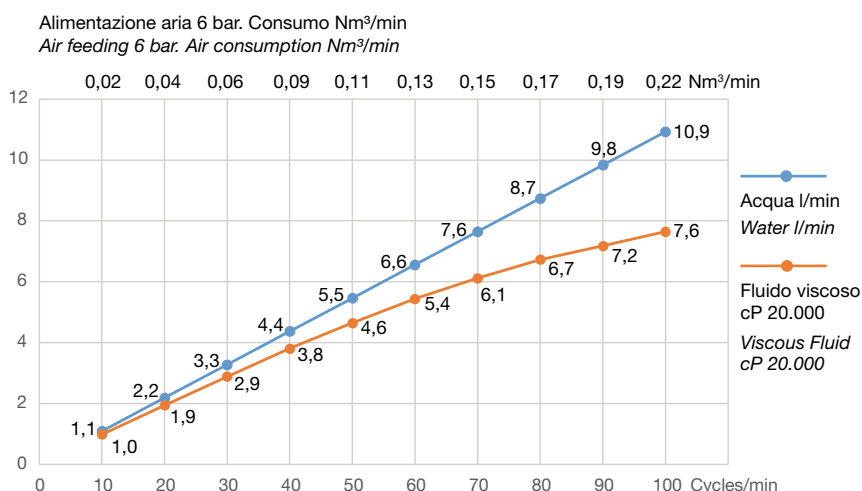
They are **pumps based on a new design**, created to be quickly disassembled by hand without the need for any special tools. The functional concept is based on an alternating piston with ball check valves, the **flow and head are adjustable**, they are designed for **viscous food products and cosmetic fluids** or also for production processes for **medical creams**. The part in contact with the product is made entirely in **AISI 316 Stainless steel**, the **FDA** gasket seals are made in **NBR** or **FKM**, **UHMWPE**, or **PTFE**.

The **gasket seal on the shaft does not require adjustment**, and is efficient with any viscosity and pressure, and also is long-lasting. These pumps do not require any special maintenance, are sturdy, and reliable, **easy to disassemble for periodical cleaning or for sanitizing the single components**. The complete range can be supplied with **ATEX Zone certification** for the motor section and **ATEX Zone 0** for the pump immersed in liquid. This therefore makes them **suitable for use in potentially explosive atmospheres**.



TECHNICAL DATA

Maximum cycles/minute	100 cycles/min
Air consumption at 100 cycles/min	0,22 Nm ³ / min - Power supply 6 bar (87 psi)
Delivery at 100 cycles/min	11 liters/min (Free flowing water)
Delivery per cycle	0,11 liters per Cycle (Free flowing water)
Ambient air temperature	0 °C at + 40 °C
Maximum fluid temperature	+ 85 °C
Fluid outlet	1" Tri-Clamp
Compression ratio	2:1
Air inlet	1/4" G
Air pressure	up to 6 bar (87 psi)
Pump components	316 Stainless steel with parts in PTFE, UHMWPE, FKM, NBR FDA



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M125/H85 316 Stainless steel pump



FIELD OF APPLICATION

Pump with hygienic design, it is quickly disassembled for cleaning or sanitizing the single components, very versatile and powerful 3:1, with variable flow rates up to 51 l/min (water). It is suitable for any **viscous food or cosmetic liquid (up to 90.000 cP)**. It is also often used for body creams or fluid products, also in the medical-health sector. It can be fitted with a flat pressing scraper to be used with our barrel emptying system. **Watch the video.**

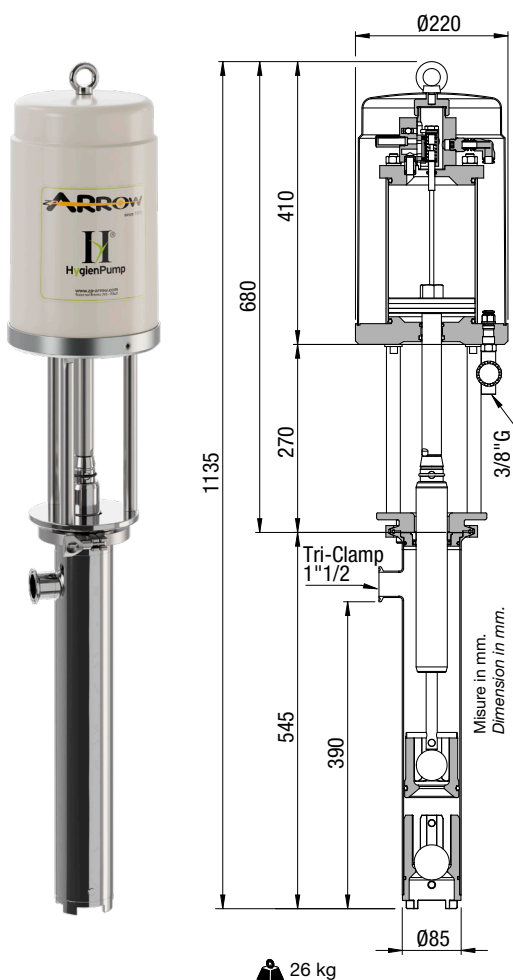
MAIN FEATURES OF HYGIENE PUMPS

They are **pumps based on a new design**, created to be quickly disassembled by hand without the need for any special tools. The functional concept is based on an alternating piston with ball check valves, the **flow and head are adjustable**, they are designed for **viscous food products and cosmetic fluids** or also for production processes for **medical creams**. The part in contact with the product is made entirely in **AISI 316 Stainless steel**, the **FDA** gasket seals are made in **NBR** or **FKM, UHMWPE, or PTFE**.

The **gasket seal on the shaft does not require adjustment**, and is efficient with any viscosity and pressure, and also is long-lasting. These pumps do not require any special maintenance, are sturdy, and reliable, **easy to disassemble for periodical cleaning or for sanitizing the single components**. The complete range can be supplied with **ATEX Zone 1 certification** for the motor section and **ATEX Zone 0** for the pump immersed in liquid. This therefore makes them **suitable for use in potentially explosive atmospheres**.

They are used by immersing the pumping piston in the fluid, or also outside of the product container. For the latter use, we can supply **Stainless steel fittings and flexible hoses** to connect the suction and the outlet. We can supply a **transport trolley, or a cushioned support for wall mounting**.

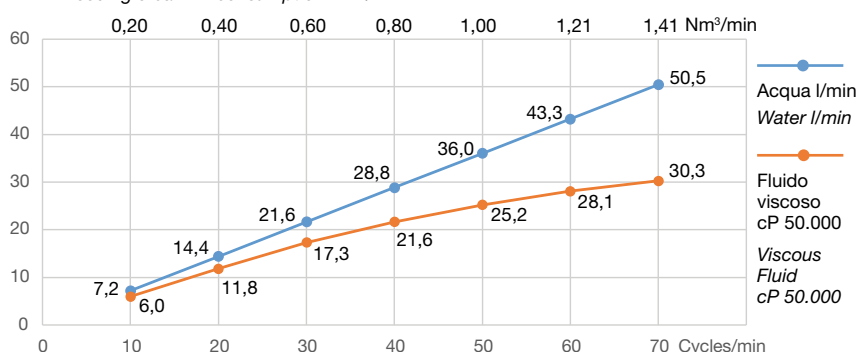
For efficient and safe use, we recommend our **pneumatic elevator on wheels or fixed on the ground**.



TECHNICAL DATA

Maximum cycles/minute	70 cycles/min
Air consumption at 70 cycles/min	1,41 Nm ³ / min - Power supply 6 bar (87 psi)
Delivery at 70 cycles/min	51 liters/min (Free flowing water)
Delivery per cycle	0,188 liters per Cycle (Free flowing water)
Ambient temperature	0 °C at 40 °C
Maximum fluid temperature	+ 85 °C
Fluid outlet	1"1/2 Tri-Clamp
Compression ratio	3:1
Air inlet	3/8" G
Air pressure	up to 7 bar (100 psi)
Pump components	316 Stainless steel with parts in NBR FDA, FKM UHMWPE, PTFE

Alimentazione aria 6 bar. Consumo Nm³/min
Air feeding 6 bar. Air consumption Nm³/min



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360° SERVICE

THE CUSTOMER THE STARTING AND ENDING POINT

The perception of our Customers' operational needs has contributed to the success of our products. Constant interaction with our Italian and non-domestic customers is the foundation of our continuous growth. Communications are handled with zeal and passion by people who, by virtue of training and tradition, appreciate the importance of the Customer and seek true corporate progress.

QUICK DELIVERY

Standard pump models as well as replacement parts are always ready for delivery and shipped within 24 hours after acceptance of the order. We offer flexibility and the utmost receptiveness to customisation.

CUSTOMER SUPPORT AND REVISION

Customers are supported by an immediate-response telephone and computerised service and by a department specially equipped to recondition any of our pumps without delay at very competitive prices. All operations are subject to Customer approval.

TRACEABILITY

We guarantee the traceability of each pump and manufacturing process to provide greater user safety.



We will be happy to answer any questions you may have

arrow@zp-arrow.com



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SISTEMA DI GESTIONE QUALITA'
CERTIFICATO DA DNV
ISO 9001



since 1975

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