

# 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.**

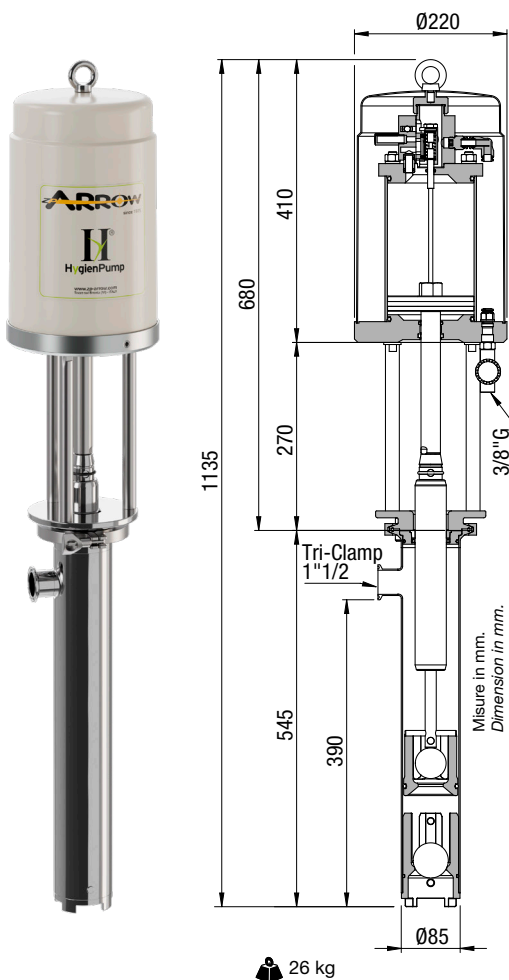
## MAIN FEATURES OF HYGIENE PUMPS

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**.

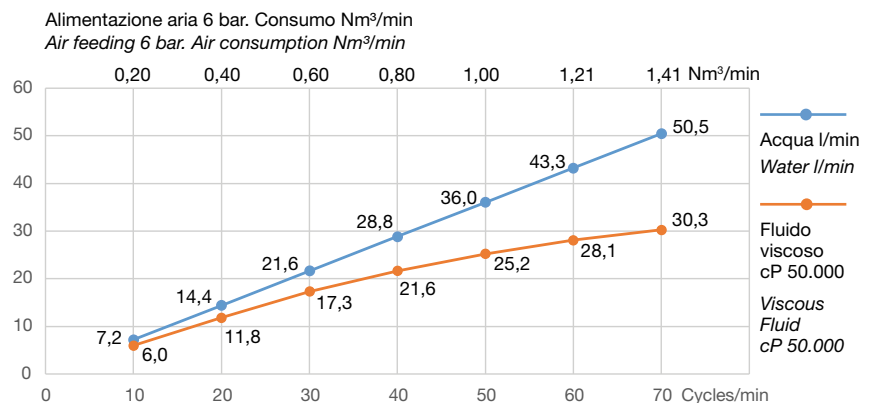
They are used by immersing the pumping piston in the fluid, or also outside of the product container. For the latter use, we can supply **Stainless steel fittings and flexible hoses** to connect the suction and the outlet. We can supply a **transport trolley**, or a **cushioned support for wall mounting**.

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 <sup>3</sup> / 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



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