

# MZ70/FZ50 316 Stainless steel pump



## FIELD OF APPLICATION

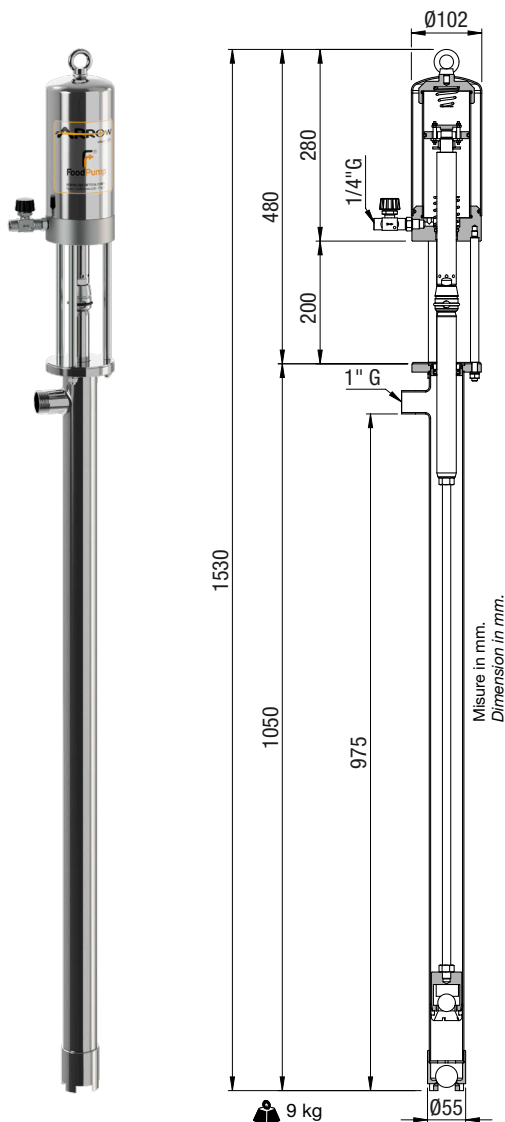
It is a **2:1** versatile and easy to handle pump, with **variable flow rate up to 20 l/min** (water). It is also suitable for insertion into closed barrels with holes measuring 2". It is used for **low and medium viscosity fluids (up to 40.000 cP)**. It is constructed in **316 Stainless steel** so is suitable for pumping **food and cosmetic products** and for **any viscous chemical product or fluid compound** that is compatible with **AISI 316 Stainless steel**.

## FEATURES OF THE MZ/FZ Food SERIES PUMPS

They are **pumps based on a new design**, created to be quickly disassembled. 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 **other viscous fluids** compatible with the steel used to construct the pumps.

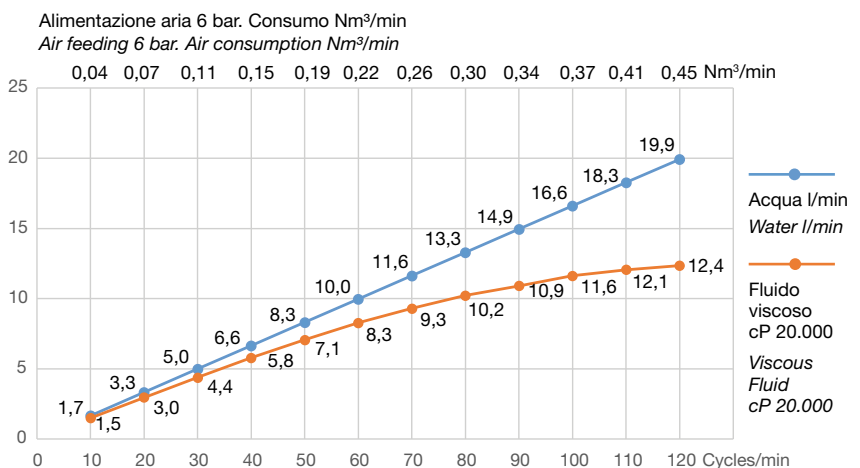
The part in contact with the product is made entirely in **AISI 316 Stainless steel**, the gasket seals are made in **NBR or FKM and UHMWPE and PTFE** suitable for the Food sector. The **gasket seal on the shaft does not require adjustment**, and is efficient with any viscosity and pressure, and also 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 <sup>3</sup> / min - Power supply 6 bar (87 psi)
Delivery at 120 cycles/min	20 liters/min (Free flowing water)
Delivery per cycle	0,166 liters per Cycle (Free flowing water)
Ambient air temperature	0 °C at + 40 °C
Maximum fluid temperature	+ 85 °C
Fluid outlet	1" G (UNI ISO 228-1)
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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