

# horizontal pumps

CENTRIFUGAL

## OMA HORIZONTAL PUMPS

The OMA close-coupled horizontal pumps permit the transfer, re-circulation and distribution of chemicals contained within storage tanks, process vats and the loading-unloading of tankers.

A high level of safety, resistance to corrosion and long lasting functioning are guaranteed by the reduced size, ease of use and maintenance, the shaft being directly keyed to the motor shaft and the special mechanical seal.

The OMA pumps can be supplied with base plate or trolley.

Installations: suction flooded or with priming chamber so as to be self-priming (SP series).

In this case, the suction capacity depends on vapour pressure, foaming, temperature.

### Single seal

With years of exceptional results, Savino Barbera utilises their own design of mechanical seal: single, balanced, internal seal, for maximum cooling of the sliding parts.

The seal is made up of three single elements:

- a static ring with seal, for housing within the pump casing
- a dynamic ring with bellows, for interference fitting on the shaft
- a single spring housed between the rotating ring and the shank of the impeller.

The static and dynamic seal rings are made of sintered ceramic or sintered silicon carbide.

The bellows is made of PTFE and the spring, made of stainless steel, is coated with PFA.

The secondary seal of the static ring and the O-rings can be made in EPDM, FPM, PTFE or covered in FEP or PFA.

### Double seal

It is also possible to install double mechanical seals, pressurized or flushed by appropriate auxiliary liquids. This arrangement can eliminate problems typical of mechanical seals: vaporizations, stickings, formations of crystals, incidental pump dry-runs.

This solution makes possible a better environmental protection against vapour and liquid leakages.

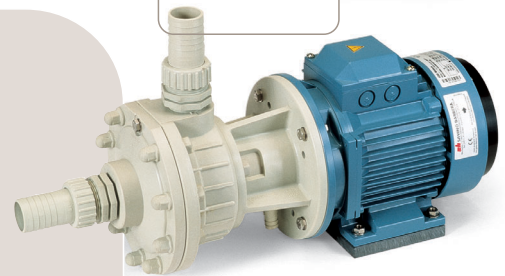
## PA SELF-PRIMING PUMPS

Made in PP or PVC and available in three different sizes, respond to numerous industrial maintenance needs (emptying of underground tanks, occasional emergency use, sump draining...). With the pump casing full of liquid and the discharge piping empty, priming is automatic and fast without the need of a foot valve.

Flow rates up to 16 m<sup>3</sup>/h, heads up to 15 m w.c. and suction head up to 4 meters.

Supplied either with base plate or trolley.

OMA 30 PP



OMA 50C PVC

