

CHEMICAL PUMPS SINCE 1992



GENERAL
CATALOGUE

2025 | 2026



ATEX PUMPS PP/PVDF ZONE 2



For applications in potentially explosive atmospheres, **GemmeCotti offers ATEX certified pumps. ATEX pumps** made of thermoplastic material **polypropylene (PP) or PVDF** are **suitable to be used in potentially explosive atmospheres classified zone 2 II 3G c Tx.**

All our ATEX pumps comply with the technical and safety requirements of ATEX Directive 2014/34/EU.

Pump model **EM-C PP/PVDF** – only for **ATEX zone 2**
(See pump model HTM PP/PVDF page 14)



- Thermoplastic pumps made in PP or PVDF.
- Capacity up to 130 m³/h.
- Head up to 48 mlc.
- Injection molded parts.

Pump model **EM-C SP PP/PVDF** - only for **ATEX zone 2**
(See pump model HTM SP page 20)



- Thermoplastic pumps made in PP or PVDF.
- Capacity up to 25 m³/h.
- Head up to 22 mlc.

Pump model **EM-T PP/PVDF** - only for **ATEX zone 2**
(See pump model HTT page 28)



- Thermoplastic pumps made in PP or PVDF.
- Capacity up to 9 m³/h.
- Head up to 48 mlc.



THERMOPLASTIC SELF-PRIMING MAG-DRIVE CENTRIFUGAL PUMPS



HTM SP pumps combine the typical features of our mag drive centrifugal pumps with the self-priming capability. **At sea level** these pumps **can prime up to 6 meters**. HTM SP pumps are made of **Polypropylene (PP)**, a thermoplastic material that ensures the best resistance to most chemicals. Thanks to the **innovative seal-less magnetic drive system**, the pump model HTM SP guarantees the maximum safety and efficiency, **reducing the risks of leakage and emissions in the environment and the maintenance costs**. The pumped liquid has to be clean, without solids in suspension.

MAIN FEATURES

- **Materials available:** PP / PVDF.
- **Materials in contact with the liquid:** Pump housing: PP or PVDF; Impeller: PP or PVDF; O-ring: EPDM (standard for PP pumps) / VITON (standard for PVDF pumps); Static shaft: ceramic Al₂O₃ 99.7%; Bearing: PTFEC.
- **Capacity** up to 25 m³/h.
- **Head** up to 22 m.
- **Max Temperature:** PP: 70°C - PVDF: 90°C.
- **Max viscosity:** 20 cSt.
- **Pressure rating:** NP 6 at 20°C.
- Self-priming up to 6m at sea level.
- Suction connection available in 3 welded configurations (frontal, on the right and on the left).

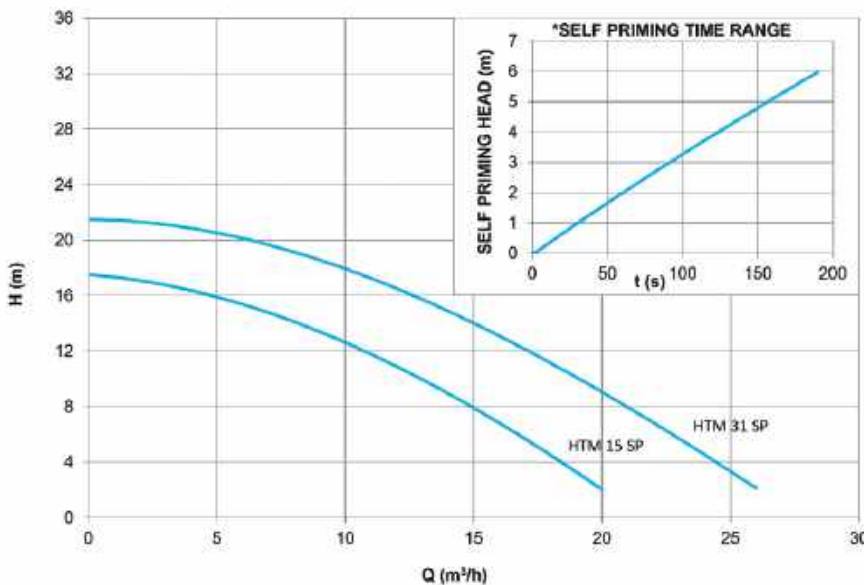
STANDARD

- BSP threaded In and Out connections.
- Direct starting motor.

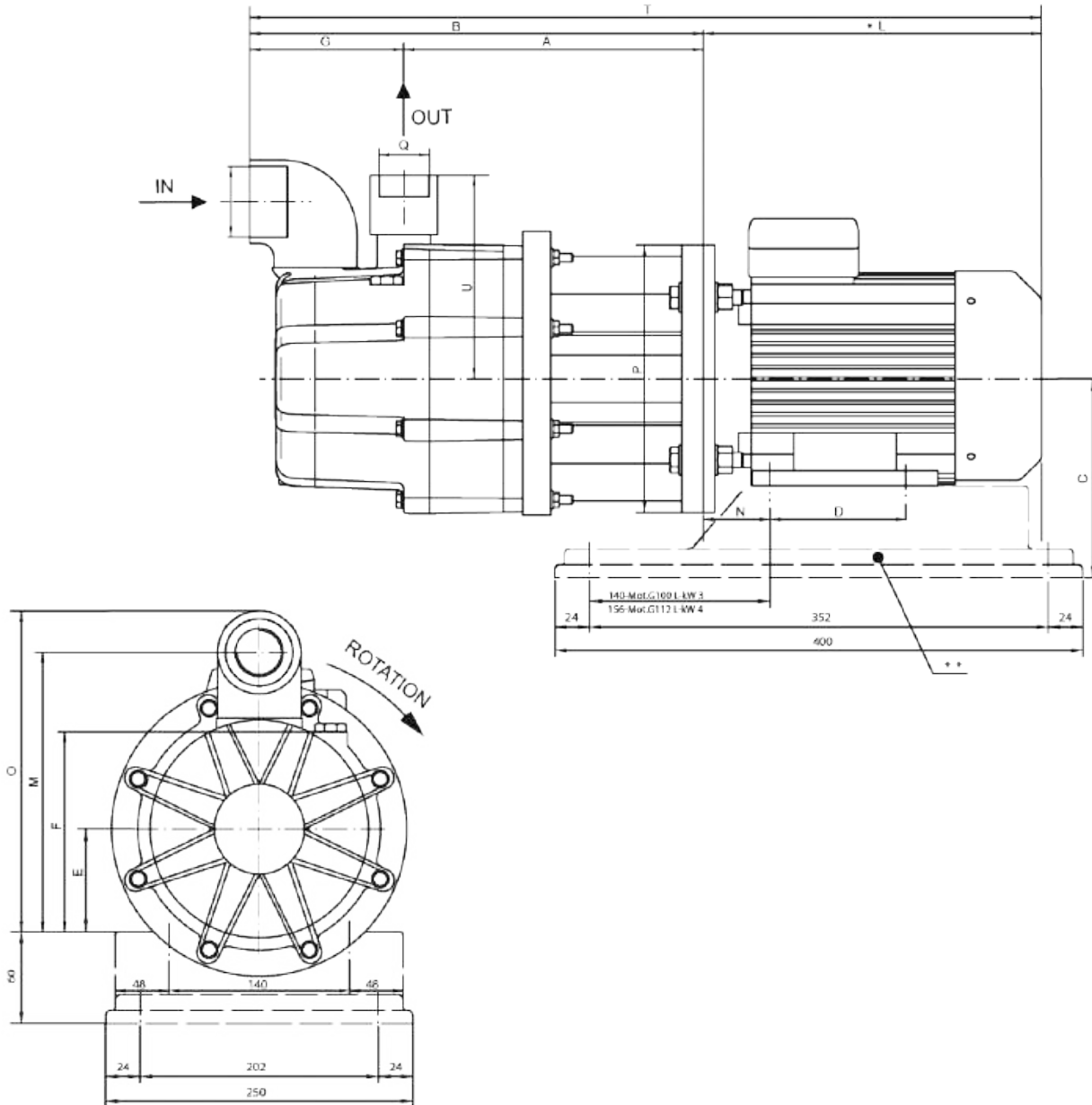
OPTIONAL

- Baseplate.
- Available in ATEX version for zone 2 II 3G (mod. EM-C SP PP/PVDF).

PERFORMANCE CURVES 50Hz - 2900 RPM



HTM 31 SP



DIMENSIONS - mm -

| PUMP TYPE | MOTOR FLANGE B3/B5 | KW | A | B | C | D | E | F | G | I | L | M | N | O | P | Q | T | U |
|-----------|--------------------|----|-------|-----|-----|-----|-----|-----|-------|---------------|-----|-------|----|-------|-----|-----------|-----|-------|
| HTM 31 SP | 100 L | 3 | 280.5 | 425 | 160 | 140 | 100 | 191 | 144.5 | 1" 1/2 FEMALE | 317 | 265.5 | 63 | 304.5 | 250 | 1" FEMALE | 742 | 190.5 |
| HTM 31 SP | 112 M | 4 | 280.5 | 425 | 160 | 140 | 100 | 191 | 144.5 | 1" 1/2 FEMALE | 317 | 265.5 | 63 | 304.5 | 250 | 1" FEMALE | 742 | 190.5 |

* Different according to the manufacturer ** OPTIONAL UPON REQUEST: Baseplates.



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