

CHEMICAL PUMPS SINCE 1992



GENERAL
CATALOGUE

2025 | 2026



Pump model **EM-P PP/PVDF** – only for **ATEX zone 2**
(See pump model HPP/HPF page 36)



- Thermoplastic pumps made in PP or PVDF.
- Capacity up to 980 L/h.
- Pressure up to 5 bar.

Pump model **EM-T SP PP/PVDF** - only for **ATEX zone 2**
(See pump model HTT-SP page 30)



- Thermoplastic pumps made in PP or PVDF.
- Capacity up to 6 m³/h.
- Head up to 24 mlc.
- Machined from a block.
- Self-priming up to 5 m.

Pump model **EM-CO PP/PVDF** - only for **ATEX zone 2**
(See pump model HCO page 42)



- Thermoplastic pumps made in PP or PVDF.
- Capacity up to 130 m³/h.
- Head up to 48 mlc.
- Mechanical seal.



HTT-SP PP/PVDF

THERMOPLASTIC MAG-DRIVE REGENERATIVE TURBINE PUMPS - SELF-PRIMING



HTT-SP pumps can **prime up to 5 m** with water at ambient temperature. **The casing is made from a PP solid machined block and the impeller in PVDF** for maximum chemical resistance. The casing is machined from a solid block. The impeller in PVDF is self-balanced to eliminate thrust bearing wear and it is separate to minimize the maintenance costs. This kind of pump offers **maximum resistance with standing also external corrosion**. It handles up to 20% entrained gas and resists cavitation.

STANDARD

- High torque magnetic coupling.
- Chemical resistant PTFE/carbon sleeve bearings.
- Direct starting motors.

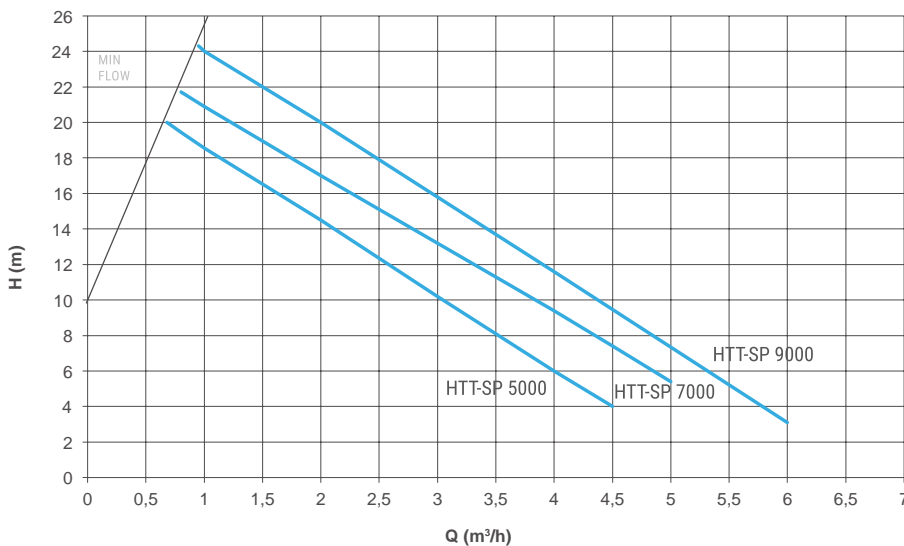
OPTIONAL

- DIN or ANSI flanges available.
- Baseplate.
- Available in ATEX version for zone 2II 3G (pump mod. EM-T SP PP/PVDF).

MAIN FEATURES

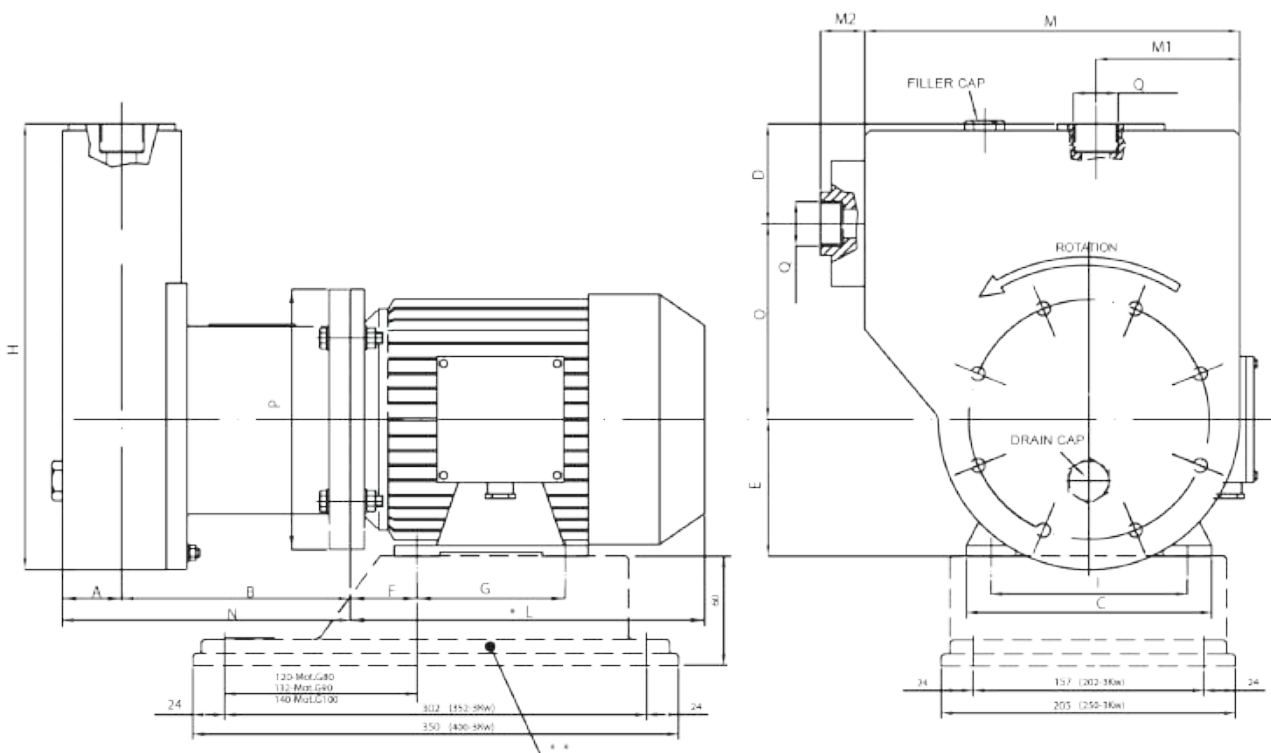
- **Materials available:** PP / PVDF.
- **Materials in contact with the liquid:**
Pump housing: PP or PVDF; Impeller: PVDF; O-ring: EPDM (standard for PP pumps) / VITON (standard for PVDF pumps); Static shaft: ceramic Al₂O₃ 99.7%; Bearing: PTFEC.
- **Max flow:** 6 m³/h; **Max head** 24 mlc.
- **Max Temperature:** PP: 70°C – PVDF: 90°C.

PERFORMANCE CURVES 50Hz - 2900 RPM



HTT-SP TECHNICAL DATA

| PUMP SIZE | MATERIAL | Q MAX | | H MAX | | SUCTION CONNECTION | DISCHARGE CONNECTION | SUITABLE MOTOR POWER (kW) 2900 rpm | MOTOR FLANGE AND FRAME |
|-------------|----------|-------------|--------------|------------|-----------|--------------------|----------------------|---------------------------------------|--|
| | | 50Hz (m³/h) | 60Hz (USGPM) | 50Hz (m/c) | 60Hz (ft) | | | | |
| HTT-SP 5000 | PP- PVDF | 4.5 | 23 | 18 | 90 | 1" FEMALE | 1" FEMALE | 0.75 1.1 | 80 - B3 / B5 80 - B3 / B5 |
| HTT-SP 7000 | PP- PVDF | 5 | 27 | 20 | 98 | 1" FEMALE | 1" FEMALE | 1.1 1.5 2.2 | 80 - B3 / B5 90 S - B3 / B5 90 L - B3 / B5 |
| HTT-SP 9000 | PP- PVDF | 6 | 32 | 24 | 110 | 1" FEMALE | 1" FEMALE | 2.2 3 | 90 - B3 / B5 100 - B3 / B5 |



DIMENSIONS - mm -

| PUMP TYPE | MOTOR FLANGE B3 - B5 | kW | A | B | C | D | E | F | G | H | I | * L | M | M1 | M2 | N | O | P | Q |
|-------------|-----------------------|-------------------|----------------------|------------|-------------------|----|----------------|----------|-------------------|-----|-------------------|-------------------|-----|------|----|--|-----|------------|-----------|
| HTT-SP 5000 | 80 2A 80 2B | 0.75 1.1 | PP = 45 PVDF = 41 | 175 | 160 | 70 | 80 | 50 | 100 | 325 | 125 | 215 232 | 270 | 97.5 | 33 | PP = 220 PVDF = 216 | 147 | 200 | 1" FEMALE |
| HTT-SP 7000 | 80 2B 90 S 90 L | 1.1 1.5 2.2 | PP = 45 PVDF = 41 | 175 | 160 170 170 | 70 | 80 90 90 | 56 | 100 100 125 | 325 | 125 140 140 | 232 255 280 | 270 | 97.5 | 33 | PP = 220 PVDF = 216 | 152 | 200 | 1" FEMALE |
| HTT-SP 9000 | 90 L 100 L | 2.2 3 | PP = 45 PVDF = 41 | 186 206 | 175 200 | 72 | 90 100 | 56 63 | 125 140 | 329 | 140 160 | 290 315 | 275 | 102 | 37 | PP = 231 / PVDF = 227 PP = 251 / PVDF = 247 | 150 | 200 250 | 1" FEMALE |

* Different according to the manufacturer. ** OPTIONAL UPON REQUEST: DIN or ANSI Flanges and Baseplates.



GEMMECOTTI SRL

Via Po 23-25-27
20031 Cesate MILANO | ITALY
EUROPEAN UNION

Ph: +39 02.96460406
info@gemmecotti.com



www.gemmecotti.com

