

CHEMICAL PUMPS SINCE 1992



**GENERAL  
CATALOGUE**

2025 | 2026



# ATEX PUMPS

## AISI 316

### ZONE 1/2



For applications in potentially explosive atmospheres, **GemmeCotti offers ATEX certified pumps**. ATEX pumps made of **metallic material AISI 316** are suitable to be used in **potentially explosive atmospheres classified zone 1 II 2G c Tx and zone 2 II 3G c Tx**.

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

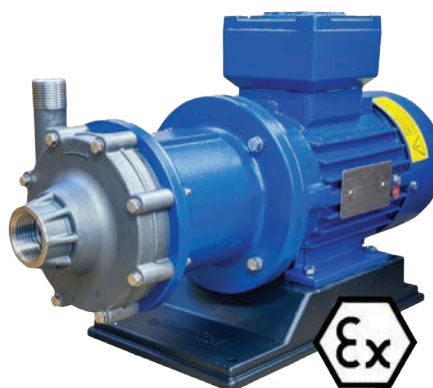


Pump model **EM-T made of AISI 316** - for **ATEX zone 1 and 2** (See pump model HTA page 32)



- Metallic pumps made in stainless steel AISI 316.
- Capacity up to 7 m<sup>3</sup>/h.
- Head up to 76 mlc.

Pump model **EM-C made of AISI 316** – for **ATEX zone 1 and 2** (See pump model HTM SS316 page 24)



- Metallic pumps made in stainless steel AISI 316.
- Capacity up to 32 m<sup>3</sup>/h.
- Head up to 24 mlc.

Pump model **EM-P made of AISI 316** for **ATEX zone 1 and 2** (See pump model HTP page 38)



- Metallic pumps made in stainless steel AISI 316.
- Capacity up to 2100 L/h.
- Pressure up to 13 bar.
- Dry self-priming.



Rotary vane mag drive pumps series HTP are made of AISI 316 and are suitable for hydrocarbons, solvents, heat transfer oils, refrigerants, cryogenics and radioactive liquids. Thanks to the **innovative mag drive system**, pumps model HTP reduce the risks of leakage and emissions and the maintenance costs. HTP pumps are **useful for low flow and high head applications** such as Pilot Plants, Sampling and Flushing of mechanical seals. Especially designed for thin non-lubricating liquids and/or high differential pressure. Pumps series HTP are also available in **ATEX version for zone 1 and 2** (pump model EM-P AISI 316).

### STANDARD

- High torque magnetic coupling.
- Direct starting motor.

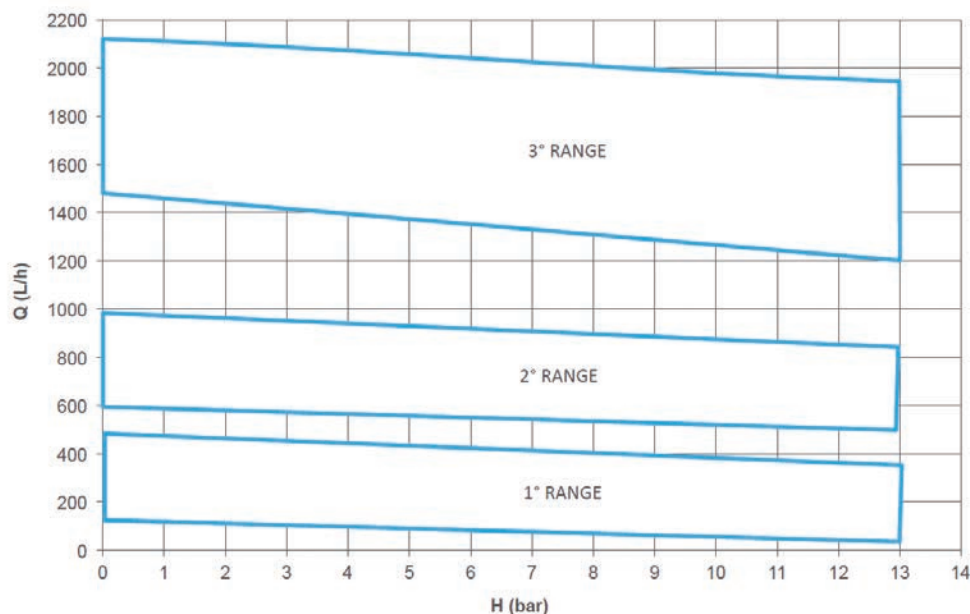
### OPTIONAL

- Flanges available (DIN or ANSI).
- Dry-running protection device.
- Baseplate.
- Explosion proof motor.
- Available in ATEX version for zone 1 II2G and zone 2 II 3G (pump mod. EM-P AISI 316).

### MAIN FEATURES

- **Materials available:** AISI 316.
- **Materials in contact with the liquid:**  
pump body, end cover and rotor: AISI 316; o-ring: EPDM/VITON; carbon graphite stator.
- **Max flow:** 2100 L/h; **Max head** 13 bar.
- **Temperature range:** from - 70°C to + 200°C
- **Max viscosity:** 2000 cPs.
- **System pressure:** 25 bar at 20°C.
- Standard motor 4 poles

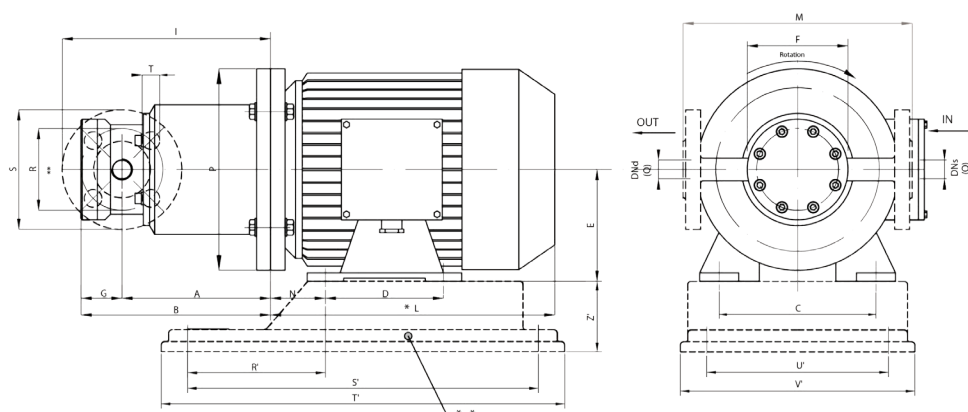
### PERFORMANCE CURVES 50Hz - 1450 RPM



## HTP TECHNICAL DATA

PUMP SIZE	MATERIAL	Q <sub>MAX</sub>		H <sub>MAX</sub>		SUCTION CONNECTION	DISCHARGE CONNECTION	PUMP WEIGHT (kg)	SUITABLE MOTOR POWER (kW) 1450 rpm - 4 POLES	MOTOR FLANGE AND FRAME
		50Hz (L/h)	60Hz (USGPM)	50Hz (bar)	60Hz (PSI)					
HTP 100 1°R	AISI 316	120	0.66	13	188	3/8" FEMALE	3/8" FEMALE	3.4	0.37	71 - B3 / B5
HTP 200 1°R	AISI 316	250	1.4	13	188	3/8" FEMALE	3/8" FEMALE	3.4	0.37	71 - B3 / B5
HTP 300 1°R	AISI 316	350	1.9	13	188	3/8" FEMALE	3/8" FEMALE	3.4	0.37	71 - B3 / B5
HTP 400 1°R	AISI 316	450	2.3	13	188	3/8" FEMALE	3/8" FEMALE	3.4	0.37	71 - B3 / B5
HTP 600 2°R	AISI 316	600	3.3	13	188	1/2" FEMALE	1/2" FEMALE	8.1	0.75	80 - B3 / B5
HTP 800 2°R	AISI 316	800	4.3	13	188	1/2" FEMALE	1/2" FEMALE	8.1	0.75	80 - B3 / B5
HTP 1000 2°R	AISI 316	980	5	13	188	1/2" FEMALE	1/2" FEMALE	8.1	1.5	90 - B3 / B5
HTP 1500 3°R	AISI 316	1500	8	13	188	3/4" FEMALE	3/4" FEMALE	22.6	1.5	90 - B5
HTP 2000 3°R	AISI 316	2100	11.1	13	188	3/4" FEMALE	3/4" FEMALE	22.6	2.2	100 - B5
									3	100 - B5
									4	112 - B5

## HTP 1°-2° RANGE / EM-P 1°- 2° RANGE (ATEX VERSION)



## DIMENSIONS - mm -

PUMP TYPE	MOTOR FLANGES B3-B5		DIMENSIONS - mm -														BASEPLATE DIMENSIONS - mm -					
	SIZE	kW	A	B	C	D	E	F	G	I	*L	M	N	O	P	Q	R'	S'	T'	U'	V'	Z'
HTP 1° RANGE	714B	0.37	127	160	112	90	71	80	33	175	215	182	45	3/8" FEMALE	160	3/8" FEMALE	112	244	280	130	160	48
HTP 2° RANGE	804B	0.75	166	204	125	100	80	123	38	218	232	194	50	1/2" FEMALE	200	1/2" FEMALE	119	302	350	157	205	60
	90 L4	1.5	176	214	140	125	90				280		56				130					

## FLANGES DIMENSIONS - mm -

PUMP TYPE	R	S	T	DNs	DNd	
HTP 1° RANGE	65	95	14	15	15	DN15 PN40
HTP 2° RANGE	75	105	14	20	20	DN20 PN40

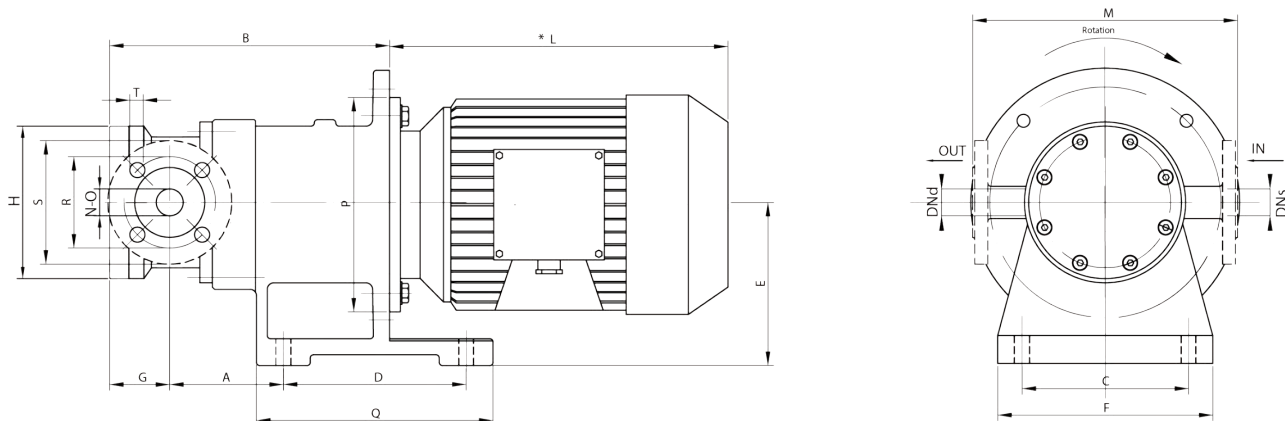
\* Different according to the motor supplier.

\*\* OPTIONAL UPON REQUEST: DIN or ANSI Flanges and Baseplates.

NOTE: DIRECTION OF ROTATION IS COUNTER CLOCKWISE AS SEEN WHEN FACING THE MOTOR. PUMPS AVAILABLE THREADED OR FLANGED.



### HTP 3° RANGE / EM-P 3° RANGE (ATEX VERSION)



### DIMENSIONS - mm -

PUMP TYPE	MOTOR FLANGE B5		DIMENSIONS - mm -													
	SIZE	kW	A	B	C	D	E	F	G	H	*L	M	N	O	P	Q
HTP 3° RANGE	90L	1.5	106	260	155	170	150	200	56	142	280	246	3/4" FEMALE	3/4" FEMALE	200	220
	100L	2.2 / 3	106	280	155	170	150	200	56	142	316	246	3/4" FEMALE	3/4" FEMALE	250	220
	112 M	4	106	280	155	170	150	200	56	142	334	246	3/4" FEMALE	3/4" FEMALE	250	220

\* Different according to the motor supplier. \*\* OPTIONAL UPON REQUEST: DIN or ANSI Flanges.  
NOTE: DIRECTION OF ROTATION IS COUNTER CLOCKWISE AS SEEN WHEN FACING THE MOTOR.  
PUMPS AVAILABLE THREADED OR FLANGED.

### FLANGES DIMENSIONS - mm -

PUMP TYPE	R	S	T	DNs	DNd	
HTP 3° RANGE	85	115	14	25	25	DN25 PN40



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