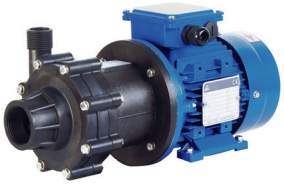
PUMPS FOR ACIDS AND DANGEROUS LIQUIDS

GemmeCotti
EUROPEAN PUMPS

HTM PP/PVDF

THERMOPLASTIC MAG DRIVE CENTRIFUGAL PUMPS
Q max: 45 m³/h
H max: 33mlc



HTM SS316

METALLIC MAG DRIVE CENTRIFUGAL PUMPS
Q max: 32 m³/h
H max: 24mlc

HCM PP/PVDF

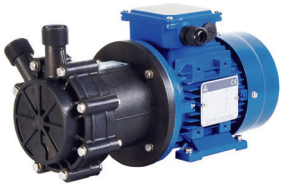
THERMOPLASTIC MAG DRIVE CENTRIFUGAL PUMPS MACHINED FROM A SOLID
Q max: 130 m³/h – H max: 48mlc

HTA IN AISI 316

METALLIC MAG DRIVE TURBINE PUMPS
Q max: 7 m³/h
H max: 80 mlc

HTT PP/PVDF

THERMOPLASTIC MAG DRIVE TURBINE PUMPS
Q max: 9 m³/h
H max: 50 mlc



PVA IN AISI 316

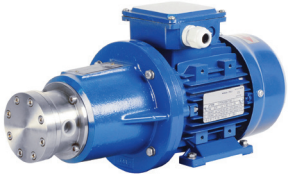
VERTICAL CENTRIFUGAL CANTILEVER PUMPS
Q max: 24 m³/h
H max: 26 mlc

HPP/HPF PP/PVDF

THERMOPLASTIC MAG DRIVE ROTARY VANE PUMPS
Q max: 1000 l/h
H max: 5 bar

HTP IN AISI 316

METALLIC ROTARY VANE MAG DRIVE PUMPS DRY SELF-PRIMING
Q max: 2100 l/h - H max: 13bar

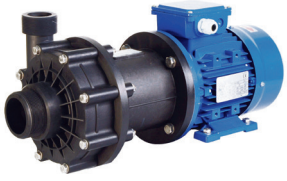


HV PP/PVDF

VERTICAL CENTRIFUGAL MONOBLOC PUMPS
Q max: 40 m³/h
H max: 22 mlc
Max length:
1 meter

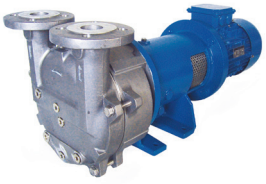
HCO PP/PVDF

THERMOPLASTIC MECHANICAL SEAL CENTRIFUGAL PUMPS
Q max:58 m3/h - H max: 38 mlc



VPM/VPS/VPL IN AISI 316

LIQUID RING VACUUM PUMPS
Q max:450 m3/h
H max: 33 mbar



HVL PP/PVDF

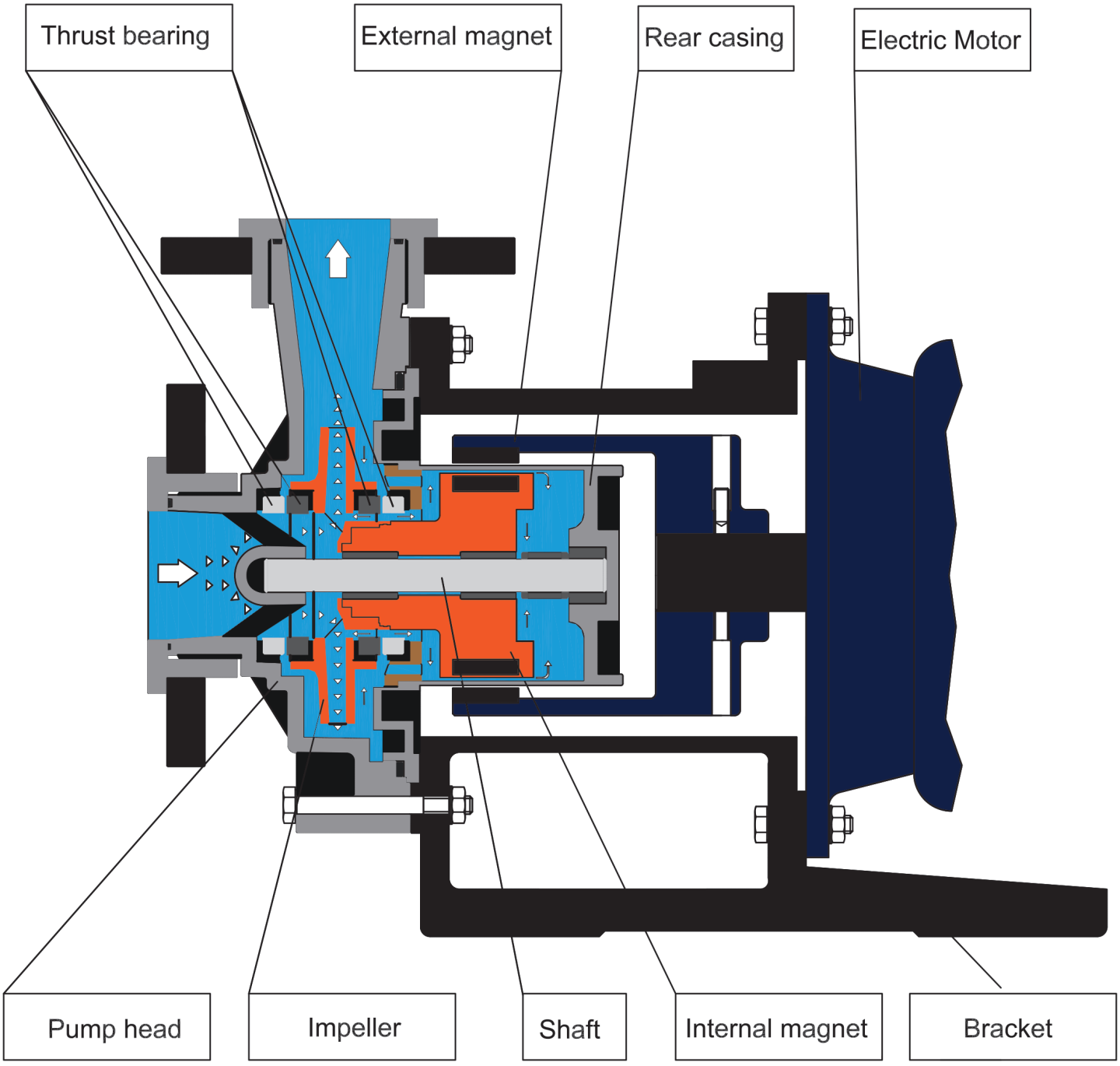
VERTICAL CENTRIFUGAL PUMPS WITH COUPLING
Q max: 57 m³/h
H max: 39 mlc
Max length:
2 meter

MAGNETIC DRIVE PUMPS

GemmeCotti
EUROPEAN PUMPS

Mag Drive Pumps

Mag drive pumps have a particular sealless design that is suitable to pump corrosive and dangerous liquids thanks to the high chemical resistance and absence of leakage and emissions. The structure is really easy and require a very reduced maintenance with consequent save in terms of repairing and spare parts costs during the pump life.
The external magnet placed on the drive shaft transmits the motion to the internal magnet connected to the impeller which rotates and moves the fluid through the pump.



CHEMICAL COMPATIBILITY GUIDE

GemmeCotti EUROPEAN PUMPS

Legend: A= Very good | B= Good | C=Poor, not recomanded | D=Very poor, not recomanded
1. Good until 22°C (72°F) | 2. Good until 48°C (120°F)

	PUMP MATERIALS			O-RINGS MATERIALS		
CHEMICAL	PP	PVDF	AISI 316	EPDM	Viton	PTFE
Acetic Acid	B	C	B	A	B	A
Acetic Acid 20%	A	A	A	A	B	A
Acetic Acid 80%	A	C	B	A	B	A
Acetic acid, glacial	A1	A1	A	B	D	A
Acetone	A	D	A	A	D	A
Alcohols: Ethyl	A	A	A	A	A	A
Alcohols: Isopropyl	A2	A	B	A	A	A2
Alcohols: Methyl	A2	A	A	A	C	A
Alcohols: Propyl	A	A2	A	A	A	A
Aluminium Sulfate	A	A	B2	A	A	A
Amines	B2	-	A	B	D	A2
Ammonia, liquid	A2	A	A2	A	D	A
Chlorine, Anhydrous Liquid	D	A1	C	B	A	A
Copper Chloride	A	A	D	A	A	A
Copper Sulfate > 5%	A	A	B	A	A	A
Detergents	A	A	A1	A	A	A
Ether	D	B1	A	C	C	A
Ferric Chloride	A	A	D	A	A	A
Fuel	A1	A	A1	D	A	A
Fuel Oils	A	B	A	D	A	B
Gasoline (high--aromatic)	A	A	A	D	A	B
Glucose	A	A	A	A	A	A
Hydraulic Oil (Petro)	D	A	A	D	A	A
Hydrochloric Acid < 33%	A2	A	D	A2	A	A
Hydrofluoric Acid 50%	A	A	D	D	B	A
Hydrofluoric Acid 100%	C1	A	B1	D	B	A
Hydrogen Peroxide 10%	A	A	B	A	A	A
Hydrogen Peroxide 30%	B1	A	B	B	A	A
Lacquer Thinners	D	-	A	D	D	A
Motor oil	A1	B	A2	D	-	A
Naphtha	B	A	A	D	A	B
Nickel Chloride	A	A	C	A1	A	A
Oil: Hydraulic Oil (Synthetic)	D	A	A	A	A	A
Olive oil	A	-	A	D	A	A1
Phenol (Carbolic Acid)	B	A1	B	B	A	A

CHEMICAL COMPATIBILITY GUIDE

GemmeCotti EUROPEAN PUMPS

	PUMP MATERIALS			O-RINGS MATERIALS		
CHEMICAL	PP	PVDF	AISI 316	EPDM	Viton	PTFE
Phosphoric Acid < 40%	A	A	C	A	A	A
Phosphoric Acid > 40%	A	A	D	A	A	A
Photographic Developer	A	-	A	B	A	A
Rosins	A2	-	A1	-	A	A
Salt Brine	A	A	A2	A	A2	A2
Sea Water	A	A	C	A2	A	A
Soap Solutions	A	A1	A1	A	A	A
Sodium Bicarbonate	A	A	A1	A2	A	A
Sodium Bisulfite	A	A	B1	A2	A	A
Sodium Carbonate	A	A	A	A2	A	A
Sodium Chloride	A	A	B	A	A	A
Sodium Hydroxide (10%)	A	C	-	A	C	-
Sodium Hydroxide (40%)	A	C	-	A	C	-
Sodium Hydroxide (50%)	A	C	B1	A	D	A
Sodium Hypochlorite (100%)	C	A	C	B1	A1	A
Sodium Hypochlorite 12,5%	C	A	C	A	A	A
Sulfuric Acid (10-75%)	A1	A	D	B2	A2	A
Sulfuric Acid (75-100%)	C1	A	D	B1	A1	A
Sulfuric Acid 100%	D	D	A	D	A	A
Tin Salts	A	A	D	B	A	A
Toluene (Toluol)	C1	A1	A	D	C	A
Urea	A	A	B	A	A	A
Water, Acid, Mine	A	A	B	A	A	A
Water, Distilled	A	A	A	A	A	A

All the information in this chart is only approximate and should only be used for an initial choice of the type of materials best suited for the customers' pumps. The data comes from various highly reliable sources. Despite this, GemmeCotti itself did not carry out the relative tests, and is not responsible for the preciseness of the data. Therefore, GemmeCotti has no responsibility for possible malfunctions or damage of any type caused by the incorrect selection of construction materials and/or of the incorrect choice of pump size if it is not made by GemmeCotti itself after having received all suitable information regarding the application and the characteristics of the pumped liquid.

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