

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 takes no responsibility for possible malfunctions or damages 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 pertinent information regarding the application and the characteristics of the pumped liquid.

Legenda:

A= Ottima - Very good

B= Buona - good

C= Scarsa, non raccomandata - poor, not recommended

D= Attacco grave, non raccomandato - very poor, not recommended

1. Soddisfacente fino a 22° C ( 72°F) - Good until 22°C (72°F)

2. Soddisfacente fino a 48° C ( 120°F) - Good until 48° C (120°F)

SOSTANZA	CHEMICAL	PP	PVDF	AISI 316	EPDM	Viton	PTFE
Acetone	Acetone	A	D	A	A	D	A
Acido acetico	Acetic Acid	B	C	B	A	B	A
Acido acetico 20%	Acetic Acid 20%	A	A	A	A	B	A
Acido acetico 80%	Acetic Acid 80%	A	C	B	A	B	A
Acido acetico glaciale	Acetic acid, glacial	A1	A1	A	B	D	A
Acido Cloridrico <>	Hydrochloric Acid <>	A2	A	D	A2	A	A
Acido fluoridrico 50%	Hydrofluoric Acid 50%	A	A	D	D	B	A
Acido fluoridrico 100%	Hydrofluoric Acid 100%	C1	A	B1	D	B	A
Acido fosforico <>	Phosphoric Acid <>	A	A	C	A	A	A
Acido fosforico > 40%	Phosphoric Acid > 40%	A	A	D	A	A	A
Acido solforico (10-75%)	Sulfuric Acid (10-75%)	A1	A	D	B2	A2	A
Acido solforico (75-100%)	Sulfuric Acid (75-100%)	C1	A	D	B1	A1	A
Acido solforico fumante 100%	Sulfuric Acid 100%	D	D	A	D	A	A
Acqua di mare	Sea Water	A	A	C	A2	A	A
Acqua distillata	Water, Distilled	A	A	A	A	A	A
Acqua minerale	Water, Acid, Mine	A	A	B	A	A	A
Alcool etilico	Alcohols:Ethyl	A	A	A	A	A	A
Alcool iso-propilico	Alcohols:Isopropyl	A2	A	B	A	A	A2
Alcool metilico	Alcohols:Methyl	A2	A	A	A	C	A
Alcool propilico	Alcohols:Propyl	A	A2	A	A	A	A
Ammine	Amines	B2	-	A	B	D	A2
Ammoniaca liquida	Ammonia, liquid	A2	A	A2	A	D	A
Benzina (altamente aromatica)	Gasoline (high-aromatic)	A	A	A	D	A	B
Cloro, anidro liquido	Chlorine, Anhydrous Liquid	D	A1	C	B	A	A
Cloruro ferrico	Ferric Chloride	A	A	D	A	A	A
Detergenti	Detergents	A	A	A1	A	A	A
Gasolio	Fuel	A1	A	A1	D	A	A
Etere	Ether	D	B1	A	C	C	A
Fenolo (Acido carbolico)	Phenol (Carbolic Acid)	B	A1	B	B	A	A
Glucosio	Glucose	A	A	A	A	A	A
Idrogeno perossido 10%	Hydrogen Peroxide 10%	A	A	B	A	A	A
Idrogeno perossido 30%	Hydrogen Peroxide 30%	B1	A	B	B	A	A
Nafta	Naphtha	B	A	A	D	A	B
Nichel cloruro	Nickel Chloride	A	A	C	A1	A	A
Oli combustibili	Fuel Oils	A	B	A	D	A	B
Olio di oliva	Olive oil	A	-	A	D	A	A1
Olio idraulico (minerale)	Hydraulic Oil (Petro)	D	A	A	D	A	A
Olio idraulico (Sintetico)	Oil: Hydraulic Oil (Synthetic)	D	A	A	A	A	A
Olio motore	Motor oil	A1	B	A2	D	-	A
Rame cloruro	Copper Chloride	A	A	D	A	A	A
Rame solfato > 5%	Copper Sulfate > 5%	A	A	B	A	A	A
Resine	Rosins	A2	-	A1	-	A	A
Salamoia	Salt Brine	A	A	A2	A	A2	A2
Sali di stagno	Tin Salts	A	A	D	B	A	A
Saponi liquidi	Soap Solutions	A	A1	A1	A	A	A
Sodio bicarbonato	Sodium Bicarbonate	A	A	A1	A2	A	A

Sodio bisolfito	Sodium Bisulfite	A	A	B1	A2	A	A
Sodio carbonato	Sodium Carbonate	A	A	A	A2	A	A
Sodio cloruro	Sodium Chloride	A	A	B	A	A	A
Sodio idrossido (10%)	Sodium Hydroxide (10%)	A	C	-	A	C	-
Sodio idrossido (40%)	Sodium Hydroxide (40%)	A	C	-	A	C	-
Sodio idrossido (50%)	Sodium Hydroxide (50%)	A	C	B1	A	D	A
Sodio Ipoclorito 12,5%	Sodium Hypochlorite 12,5%	C	A	C	A	A	A
Sodio ipoclorito (100%)	Sodium Hypochlorite (100%)	C	A	C	B1	A1	A
Solfato di alluminio	Aluminum Sulfate	A	A	B2	A	A	A
Solventi per vernici	Lacquer Thinners	D	-	A	D	D	A
Sviluppatori fotografici	Photographic Developer	A	-	A	B	A	A
Toluene	Toluene (Toluol)	C1	A1	A	D	C	A
Urea	Urea	A	A	B	A	A	A