

## Tabella di Compatibilità tra Fluido/Tubo e Raccordo

Tutti i dati contenuti nel seguente prospetto sono da considerarsi unicamente come una indicazione generica per la scelta dei materiali in sede d'ordine, poichè l'infinito numero delle variabili presenti in ogni particolare utilizzo, rende impossibile una classificazione categorica. È consigliabile effettuare delle prove alle effettive condizioni di servizio del tubo in caso di dubbi.

Queste classificazioni sono formulate con l'utilizzo dei fluidi ad una temperatura di 20°C, oltre è possibile il verificarsi di effetti negativi per la durata del tubo.

Ricordiamo inoltre, che in presenza da acidi fortemente aggressivi (acqua regia, cloro e suoi derivati), o per una totale inerzia chimica, il raccordo terminale può venire rivestito di PTFE.

**1** Eccellente **2** Buono **3** Non consigliato  
**0** Nessun dato, fare test prima dell'uso.

## Fluid/Corrosion Compatibility Reference Table

The following chart indicates the general compatibility of Allegri hose and fittings with a variety of media being conveyed.

These recommendations are intended as a guide only and can be effected by many factors in the operating parameters of the actual application; such as media and ambient temperature, pressure, media concentration, exposure to other media. Additional factors will effect hose and fitting selection for a specific application; such as gaseous effusion, potential for static discharge, system impulse spikes, proper assembly length for a dynamic flexing or static flexed system application, etc. These tables are based on fitting compatibility ratings at 70°F; higher temperatures may have an adverse effect. (Consult Allegri Engineering for details on specific applications).

**1** Suitable under normal circumstances **2** Acceptable  
**3** Not recommended **0** No information; test before using.

### Fluido Fluid

### Materiale dei Raccordi Fitting Material

	PTFE	A.C.	304	316	OT.
Acetaldehyde	1	1	1	1	1
Acetic Acid, Glacial	1	0	2	2	0
Acetic Acid, 30%	1	3	2	2	3
Acetic Anhydride	1	3	2	2	3
Acetone	1	1	1	1	1
Acetylene	1	0	1	1	2
Acrylonitrile	1	1	1	1	0
Alum, Ammonium or Potassium	1	3	2	2	3
Aluminium Acetate	1	0	1	1	3
Aluminium Bromide	1	3	2	2	3
Aluminium Chloride	1	3	2	2	3
Aluminium Fluoride	1	3	2	2	3
Aluminium Hydroxide	1	0	1	1	1
Aluminium Nitrate	1	3	1	1	0
Aluminium Salts	1	0	2	2	0
Aluminium Sulfate	1	3	3	2	3
Ammonia, Anhydrous	1	1	1	1	0
Ammonia, Aqueous	1	0	1	1	3
Ammonium Carbonate	0	1	1	1	0
Ammonium Chloride	1	0	2	2	3
Ammonium Hydroxide	1	2	1	1	3
Ammonium Metaphosphate	1	1	1	1	0
Ammonium Nitrate	1	1	1	1	3
Ammonium Nitrite	0	0	1	1	0
Ammonium Persulfate	0	0	1	1	0
Ammonium Phosphate	1	3	2	1	0
Ammonium Sulfate	1	1	1	1	3
Ammonium Thiocyanate	1	1	1	1	0
Amyl Acetate	1	3	1	1	1
Amyl Alcohol	1	1	1	1	1
Amyl Chlorite	1	0	1	1	0
Amyl Chloronaphthalene	1	0	1	1	0
Amyl Naphthalene	1	0	1	1	0
Aniline	1	2	1	1	3
Aniline Dyes	1	3	1	1	0

### Fluido Fluid

### Materiale dei Raccordi Fitting Material

	PTFE	A.C.	304	316	OT.
Aniline Hydrochloride	1	0	3	3	3
Animal Fats	1	1	1	1	0
Aqua Regia	1	0	3	3	0
Arsenic Acid	1	2	0	1	0
Askarel	0	1	1	1	1
Aphalt	1	1	1	1	2
Barium Carbonate	1	2	1	1	1
Barium Chloride	1	3	1	1	2
Barium Hydroxide	1	2	1	1	0
Barium Sulfate	1	1	1	1	2
Barium Sulfide	1	3	1	1	3
Beer	1	2	1	1	1
Beet Sugar Liquors	1	1	1	1	0
Benzene	1	1	1	1	1
Benzenesulfonic Acid	0	3	0	2	0
Benzaldehyde	1	1	0	0	0
Benzine	1	1	1	1	1
Benzyl Alcohol	1	1	1	1	0
Benzyl Benzoate	1	1	1	1	0
Benzyl Chloride	1	1	0	0	0
Bismuth Carbonate	1	1	1	1	0
Black Sulfate Liquor	1	1	1	1	0
Black Furnace Gas	1	1	1	1	1
Borax	1	2	1	1	2
Bordeaux Mixture	1	0	1	1	0
Boric Acid	1	3	2	1	3
Bunker Oil	1	1	1	1	1
Butadiene	1	0	1	1	1
Butane	1	1	1	1	1
Butter Oil	1	1	1	1	1
Butyric Acid	1	3	1	1	2
Butyl Acetate	1	2	1	1	1
Butyl Alcohol	1	1	1	1	1
Butyl Amine	0	1	1	1	1
Butyl Carbitol	1	1	1	1	1

**Fluido  
Fluid**
**Materiale dei Raccordi  
Fitting Material**

	PTFE	A.C.	304	316	OT.
Butyl Stearate	1	1	1	1	1
Butyl Mercaptan	1	0	1	1	0
Butyraldehyde	1	0	0	0	1
Calcium Acetate	1	1	1	1	1
Calcium Bisulfate	1	0	2	1	3
Calcium Bisulfite	1	0	1	1	0
Calcium Carbonate	1	1	1	1	1
Calcium Chlorate	1	0	2	1	0
Calcium Chloride	1	3	2	1	2
Calcium Hydroxide	1	3	3	1	2
Calcium Hypochlorite	1	0	3	2	3
Calcium Nitrate	1	1	1	1	1
Calcium Silicate	1	1	1	1	1
Calcium Sulfate	1	1	1	1	1
Calcium Sulfide	1	1	1	1	0
Cane Sugar Liquors	1	1	1	1	2
Carbonic Acid	1	3	1	1	3
Carbon Dioxide	1	1	1	1	1
Carbon Disulfide	0	2	1	1	2
Carbonic Acid	1	3	1	1	3
Carbon Monoxide	1	1	1	1	1
Carbon Tetrachloride	1	3	2	2	2
Castor Oil	1	1	1	1	1
Caustic Soda	1	2	1	1	3
Cellosolve, Acetate	1	1	1	1	0
Cellosolve, Butyl	1	1	1	1	0
Cellulube	1	1	1	1	1
Chlorine, Gaseous, Dry	1	2	3	3	2
Chlorine, Gaseous, Wet	1	3	3	3	3
Chlorine Trifluoride	0	3	0	0	0
Chloroacetic Acid	1	3	3	3	2
Chlorobenzene	1	1	1	1	1
Chlorobromomethane	1	1	1	1	1
Chloroform	1	1	1	1	1
O-Chloronaphthalene	1	1	1	1	1
Chlorotoluene	1	1	1	1	1
Chromic Acid	1	3	3	2	3
Citric Acid	1	3	3	1	3
Cod Liver Oil	1	1	1	1	1
Coke Oven Gas	1	1	1	1	0
Copper Chloride	1	3	3	1	3
Copper Cyanide	1	0	1	1	3
Copper Sulfate	1	3	1	1	3
Corn Oil	1	1	1	1	1
Corn Syrup	1	1	1	1	0
Cottonseed Oil	1	1	1	1	1
Creosote	1	2	1	1	3
Cresol	1	2	1	1	0
Crude Wax	1	1	1	1	1

**Fluido  
Fluid**
**Materiale dei Raccordi  
Fitting Material**

	PTFE	A.C.	304	316	OT.
Cutting Oil	1	1	1	1	1
Cyclohexane	1	1	1	1	1
Cyclohexanone	1	0	1	1	0
Cymene	1	0	0	0	1
Decalin	1	0	0	0	1
Denatured Alcohol	1	1	1	1	1
Diacetone	1	1	1	1	1
Diacetone Alcohol	1	1	1	1	1
Didenzyl Ether	1	1	1	1	1
Dibutyl Ether	1	1	1	1	1
Dibutyl Phthalate	1	1	1	1	1
Dibutyl Sebacate	1	0	0	0	1
Dichlorobenzene	1	0	1	1	1
Diesel Oil	1	1	1	1	1
Diethylamine	1	0	1	1	1
Diethyl Ether	1	1	1	1	1
Diethylene Glycol	1	1	1	1	1
Diethyl Phthalate	1	0	1	1	1
Diethyl Sebacate	1	0	1	1	1
Di-Isobutylene	0	0	1	1	1
Di-Isopropyl Ketone	1	0	1	1	1
Dimethyl Aniline	1	0	0	0	1
Dimethyl Formamide	0	1	1	1	0
Dimethyl Phthlate	1	0	0	0	1
Diocetyl Phthalate	1	1	1	1	1
Dioxane	1	1	1	1	1
Dipentene	1	1	1	1	1
Ethanolamine	1	1	1	1	1
Ethyl Acetate	1	1	1	1	1
Ethyl Acetoacetate	1	1	1	1	1
Ethyl Acrylate	0	1	1	1	0
Ethyl Alcohol	1	1	1	1	2
Ethyl Benzene	1	1	1	1	1
Ethyl Cellulose	1	1	1	1	1
Ethyl Chloride	1	2	1	1	2
Ethyl Ether	1	2	1	1	1
Ethyl Mercaptan	1	2	0	0	0
Ethyl Pentochlorobenzene	1	2	1	1	1
Ethyl Silicate	1	1	1	1	1
Ethylene Chloride	1	2	1	1	2
Ethylene Chlorohydrin	1	0	0	0	0
Ethylene Diamine	1	0	0	0	1
Ethylene Glycol	1	2	1	1	1
Fatty Acids	1	0	1	1	0
Ferric Chloride	1	3	3	3	3
Ferric Nitrate	1	3	1	1	0
Ferric Sulfate	1	3	1	1	3
Ferrous Chloride	1	3	1	2	2
Ferrous Nitrate	1	0	1	1	0

**Fluido**  
*Fluid*
**Materiale dei Raccordi**  
**Fitting Material**
**Fluido**  
*Fluid*
**Materiale dei Raccordi**  
**Fitting Material**

	PTFE	A.C.	304	316	OT.		PTFE	A.C.	304	316	OT.
Ferrous Sulfate	1	3	1	1	2	Linseed Oil	1	2	1	1	2
Fluoroboric Acid	1	0	1	1	0	Lubricating Oils, Petroleum	1	1	1	1	1
Formaldehyde	1	0	1	1	1	Magnesium Chloride	1	3	2	1	2
Formic Acid	1	3	2	1	2	Magnesium Hydroxide	1	1	1	1	0
Freon 12	2	3	1	1	0	Magnesium Sulfate	1	2	1	1	1
Freon 114	2	3	1	1	0	Malic Acid	1	2	2	1	0
Fuel Oil	1	2	2	2	1	Mercuric Chloride	1	3	1	1	3
Fumaric Acid	0	0	1	1	0	Mercury	1	1	1	1	3
Furan Furturan	1	1	1	1	1	Mesityl Oxide	1	1	1	1	1
Furtural	1	2	1	1	1	Mesityl Acetate	1	1	1	1	1
Gallic Acid	1	3	1	1	0	Methyl Acrylate	0	1	1	1	1
Gasoline	1	2	1	1	1	Methyl Alcohol	1	1	1	1	2
Glauber's Salt	0	1	1	1	0	Methyl Bromide	1	1	1	1	1
Glucose	1	1	1	1	1	Methyl Butyl Ketone	0	1	1	1	1
Glue	1	2	1	1	3	Methyl Chloride	1	1	1	1	1
Glycerin	1	2	1	1	1	Methylene Chloride	1	1	1	1	1
Glycols	1	1	1	1	1	Methyl Ethyl Ketone (MEK)	1	1	1	1	1
Green Sulfate Liquor	1	1	1	1	0	Methyl Formate	1	1	1	1	1
N-Hexaldehyde	1	1	1	1	1	Methyl Isobutyl Ketone	1	1	1	1	1
Hexane	1	1	1	1	1	Methyl Methacrylate	1	1	1	1	0
Hexene	1	1	1	1	1	Methyl Salicylate	1	1	1	1	1
Hexyl Alcohol	1	1	1	1	2	Milk	1	3	1	1	3
Hydraulic Oil, Petroleum	1	1	1	1	1	Mineral Oil	1	1	1	1	1
Hydrochloric Acid, 15%	1	3	3	3	3	Monochlorobenzene	1	1	1	1	1
Hydrochloric Acid, 37%	1	3	3	3	3	Monoethanolamine	0	1	1	1	1
Hydrocyanic Acid	1	3	1	1	3	Naphtha	1	2	1	1	1
Hydrofluoric Acid, Concentrated	1	3	3	3	3	Naphthalene	1	0	1	1	0
Hydrofluosilicic Acid	1	0	3	3	3	Naphthenic Acid	1	0	2	1	0
Hydrogen, Gaseous	1	1	1	1	1	Natural Gas	1	1	1	1	2
Hydrogen Peroxide, 70%	1	3	2	1	3	Nickel Acetate	1	1	1	1	1
Hydrogen Sulfide, Gaseous	1	3	2	1	3	Nickel Chloride	1	3	2	2	3
Hydroquinone	0	0	1	1	0	Nickel Sulfate	1	0	2	1	3
Isobutyl Alcohol	1	1	1	1	2	Niter Cake	0	3	2	1	0
Iso Octane	1	1	1	1	1	Nitric Acid, All Concentrations	1	3	2	2	3
Isopropyl Acetate	1	1	1	1	1	Nitric Acid, Red Fuming	1	3	1	1	3
Isopropyl Alcohol	1	1	1	1	2	Nitrobenzene	1	1	1	1	1
Isopropyl Ether	1	1	1	1	1	Nitroethane	1	0	1	1	1
Kerosene	1	1	1	1	1	Nitrogen, Gaseous	1	1	1	1	1
Lacquers	1	3	3	1	1	Nitrogen Tetroxide	0	0	0	2	0
Lacquers Solvents	1	3	3	1	1	N-Octane	0	1	1	1	1
Lactic Acid	1	3	2	1	2	Octyl Alcohol	1	1	1	1	2
Lard	1	1	1	1	3	Oil, SAE	1	1	1	1	1
Lead Acetate	1	2	1	1	1	Oleic Acid	1	2	2	1	2
Lead Nitrate	0	1	1	1	0	Olive Oil	1	2	2	1	2
Lime Bleach	0	3	2	1	0	Oxalic Acid	1	3	2	1	3
Linoleic Acid	1	0	0	0	0	Oxygen, Gaseous	1	1	1	1	1

**Fluido**  
*Fluid*
**Materiale dei Raccordi**  
**Fitting Material**

	PTFE	A.C.	304	316	OT.
Ozone	1	1	1	1	1
Paint	1	0	1	1	1
Palmitic Acid	1	1	2	1	3
Peanut Oil	1	1	1	1	1
Perchloric Acid	1	0	2	1	0
Perchloroethylene	1	1	1	1	1
Petroleum	1	1	1	1	1
Phenol	1	3	1	1	3
Phorone	1	1	1	1	1
Picric Acid	1	3	1	1	3
Pinene	1	1	1	1	1
Pine Oil	1	1	1	1	0
Plating Solution, Chrome	1	0	3	3	0
Potassium Acetate	1	0	1	1	0
Potassium Chloride	1	2	2	1	3
Potassium Cyanide	1	2	1	1	3
Potassium Dichromate	1	0	1	1	0
Potassium Hydroxide, 30%	1	3	1	1	3
Potassium Nitrate	1	3	1	1	2
Potassium Sulfate	1	2	1	1	2
Propane	1	1	1	1	1
Propyl Acetate	0	1	1	1	1
Propyl Alcohol	1	1	1	1	2
Pyridine, 50%	1	0	1	1	1
Red Oil	1	2	2	1	2
Salicylic Acid	0	0	1	1	0
Salt Water	1	2	1	1	3
Sewage	1	3	1	1	1
Silicone Greases	0	1	1	1	1
Silicone Oils	0	1	1	1	1
Silver Nitrate	1	2	1	1	2
Skydrol 500 & 700	1	1	1	1	0
Soap Solutions	1	1	1	1	1
Soda Ash	0	1	1	1	2
Sodium Acetate	1	1	1	1	1
Sodium Bicarbonate	1	2	1	1	2
Sodium Bisulfite	1	1	1	1	0
Sodium Borate	1	1	1	1	0
Sodium Chloride	1	2	2	1	3
Sodium Cyanide	1	2	1	1	3
Sodium Hydroxide, 40%	1	2	1	1	3
Sodium Hypochloride	1	3	3	2	3
Sodium Metaphosphate	1	3	1	1	3
Sodium Nitrate	1	1	2	2	2
Sodium Perborate	1	3	1	1	3
Sodium Peroxide	1	3	1	1	3

**Fluido**  
*Fluid*
**Materiale dei Raccordi**  
**Fitting Material**

	PTFE	A.C.	304	316	OT.
Sodium Phosphate	1	0	1	1	3
Sodium Thiosulfate	1	3	1	1	3
Soybean Oil	1	1	1	1	0
Stannic Chloride	1	3	0	0	3
Steam	1	1	1	1	2
Stearic Acid	1	3	2	1	3
Stoddard Solvent	1	2	1	1	1
Styrene	1	2	0	2	2
Sucrose Solution	1	1	1	1	0
Sulfur, 200°F	1	2	2	1	3
Sulfur Chloride	1	3	3	2	3
Sulfur Dioxide	1	2	1	1	1
Sulfur Trioxide	1	2	2	2	0
Sulfuric Acid, 10%	1	3	3	2	3
Sulfuric Acid, 98%	1	2	3	2	3
Sulfuric Acid, Fuming	1	2	0	1	3
Sulforous Acid, 10%	1	3	2	1	3
Sulforous Acid, 75%	1	3	3	2	3
Tannic Acid, 10%	1	2	1	1	3
Tar, Bituminous	1	1	1	1	2
Tartaric Acid	1	0	2	2	0
Terpineol	1	0	0	0	0
Titanium Tetrachloride	0	1	2	2	3
Toluene	1	1	1	1	1
Toluene Diisocyanate	0	0	0	0	0
Transformer Oil	1	1	1	1	1
Transmission Fluid, Type A	1	1	1	1	1
Tributoxyethyl Phosphate	1	1	0	0	0
Tributyl Phosphate	1	1	0	0	0
Trichloroethylene	1	3	0	1	1
Tricresyl Phosphate	1	1	0	2	0
Tung Oil	1	1	1	1	1
Turpentine	1	0	1	1	2
Urea Solution, 50%	1	1	1	1	0
Varnish	0	2	1	1	2
Vegetable Oils	1	1	1	1	0
Versilube	1	1	1	1	1
Vinegar	1	3	2	1	3
Vinyl Chloride	1	2	1	1	3
Water	1	2	1	1	3
Whiskey, Wines	1	3	2	1	3
Xylene	1	2	2	2	0
Zinc Acetate	1	1	1	1	1
Zinc Chloride	1	3	2	1	3
Zinc Sulfate	1	3	2	1	3

**Legenda Materiali:**
**A.C.** = Acciaio Carbonio  
**304** = INOX AISI

**316** = INOX AISI  
**OT** = Ottone

**Material Key:**
**A.C.** = Carbon Steel  
**304** = Stainless Steel

**316** = Stainless Steel  
**OT** = Brass

**Pressione Relativa Vs Vapore Saturo**  
*Relative Pressure Vs Saturated  
 Steam Temperature*

**Pollici Vs Millimetri**  
*Inch Vs Millimeters*

kg/cm <sup>2</sup>	°C	kg/cm <sup>2</sup>	°C	Pollici	Pollici	mm	Pollici	Pollici	mm
0.2	104.2	4.7	155.9	1/64"	0.016	0.397	21/32"	0.656	16.669
0.4	108.7	4.8	156.6	1/32"	0.031	0.794	43/64"	0.672	17.066
0.6	112.7	4.9	157.3	3/64"	0.047	1.191	11/16"	0.688	17.463
0.8	116.3	5.0	157.9	1/16"	0.063	1.588	45/64"	0.703	17.859
1.0	119.6	5.5	161.1	5/64"	0.078	1.984	23/32"	0.719	18.256
1.1	121.1	6.0	164.0	3/32"	0.094	2.381	47/64"	0.734	18.653
1.2	122.6	6.5	166.8	7/64"	0.109	2.778	3/4"	0.750	19.050
1.3	124.0	7.0	169.5	1/8"	0.125	3.175	49/64"	0.766	19.447
1.4	125.4	7.5	172.0	9/64"	0.141	3.572	25/32"	0.781	19.844
1.5	126.7	8.0	174.4	5/32"	0.156	3.969	51/64"	0.797	20.241
1.6	128.0	8.5	176.8	11/64"	0.172	4.366	13/16"	0.813	20.638
1.7	129.3	9.0	178.9	3/16"	0.188	4.763	53/64"	0.828	21.034
1.8	130.5	9.5	181.0	13/64"	0.203	5.159	27/32"	0.844	21.431
1.9	131.8	10.0	183.1	7/32"	0.219	5.556	55/64"	0.859	21.828
2.0	132.8	10.5	185.0	15/64"	0.234	5.953	7/8"	0.875	22.225
2.1	133.9	11.0	187.2	1/4"	0.250	6.350	57/64"	0.891	22.622
2.2	135.0	11.5	188.9	17/64"	0.266	6.747	29/32"	0.906	23.019
2.3	136.1	12.0	190.7	9/32"	0.281	7.144	59/64"	0.922	23.416
2.4	137.1	12.5	192.5	19/64"	0.297	7.541	15/16"	0.938	23.813
2.5	138.1	13.0	194.2	5/16"	0.313	7.938	61/64"	0.953	24.209
2.6	138.1	13.5	195.8	21/64"	0.328	8.334	31/32"	0.969	24.606
2.7	140.1	14.0	197.4	11/32"	0.344	8.731	63/64"	0.984	25.003
2.8	141.0	14.5	198.9	23/64"	0.359	9.128	1	1.000	25.400
2.9	141.9	15.0	200.4	3/8"	0.375	9.525	1 1/4"	1.250	31.750
3.0	142.8	15.5	201.9	25/64"	0.391	9.922	1 1/2"	1.500	38.100
3.1	143.7	16.0	203.4	13/32"	0.406	10.319	1 3/4"	1.750	44.450
3.2	144.6	16.5	204.8	27/64"	0.422	10.716	2	2.0	50.8
3.3	145.4	17.0	206.2	7/16"	0.438	11.113	2 1/2"	2.5	63.5
3.4	146.3	17.5	207.5	29/64"	0.453	11.509	3	3.0	76.2
3.5	147.1	18.0	208.8	15/32"	0.469	11.906	3 1/2"	3.5	88.9
3.6	147.9	18.5	210.1	31/64"	0.484	12.303	4	4.0	101.6
3.7	148.7	19.0	211.4	1/2"	0.500	12.700	4 1/2"	4.5	114.3
3.8	149.5	19.5	212.7	33/64"	0.516	13.097	5	5.0	127.0
3.9	150.2	20.0	213.9	17/32"	0.531	13.494	6	6.0	152.4
4.0	150.9	25.0	225.0	35/64"	0.547	13.891	7	7.0	177.8
4.1	151.7	30.0	234.6	9/16"	0.563	14.288	8	8.0	203.2
4.2	152.5	35.0	243.0	37/64"	0.578	14.684	9	9.0	228.6
4.3	153.2	40.0	250.6	19/32"	0.594	15.081	10	10.0	254.0
4.4	153.9	45.0	257.6	39/64"	0.609	15.478	11	11.0	279.4
4.5	154.6	50.0	263.9	5/8"	0.625	15.875			
4.6	155.3	55.0	269.0	41/64"	0.641	16.272			