

Compatibility table

- Sealing material: Viton
- Free-cutting steel 1.0718 (9SMnPb28K), gradually change over to chrome (VI)-free surface treatment
- Corrosion-resistant stainless steel 1.4104 (X 12CrMoS 17)
- Acid proof stainless steel 1.4571 (X 10CrNiMoTi 1810) antimagnetic
- Hoses: polyamide 11

All statements are not binding and are only for your information

Flow rate media	Sealing	Fittings / Material			Hoses			
		1.0718	1.4104	1.4571	20 °C	40 °C	60 °C	90 °C
Acetone	3 *)	1	2	1	1/5	1/6	2	3
Ethyl alcohol, pure	1/2	1	1	1	1/6	2	3	
Ammonia, concentrated	3 *)	1	1	1	1	1	1	1
Ammonia, liquid	3 *)	1	1	1	1	1		
Formic acid	3 *)	3	2	1	3	3	3	
Gasoline, pure	1	1	1	1	1	1	1/6	
Benzene	1/2	1	1	1	1	1/6	2	2
Brake fluid	3 *)	1	1	1	1	1	1	2
Butane	1	2	1	1	1	1	1	
Cyclohexane	1	1	1	1	1	1	2	
Diesel motor fuel	1	1	1	1	1	1	1	1
Freon 12	1/2	1	1	1	1	1	1	1
Glycerin, pure	1/2	1	1	1	1	1	2	3
Glycols	1/2	1	1	1	1	1	2	3
Heating oil	1	1	1	1	1	1	1	1
Hydraulic fluid (mineral oil base)	1	1	1	1	1	1	1	1
Kerosene	1	1	1	1	1	1	1/6	
Carbon dioxide	1	3	1	1	1/4	1/4	1/4	
Methane	1	2	1	1	1/4	1/4	1/4	
Methyl alcohol, pure	3 *)	1	1	1	1/6	2	3	
Mineral oils	1	1	1	1	1	1	1	1
Petroleum	1	1	1	1	1	1	1/6	
Polyalkyleneglycol (HEPG)	2 (<100 °C)	2	1	1	1	1	2/4	3/4
Propane	1	2	1	1	1/4	1/4	1/4	
Oxygen	1	3	1	1	1/4	1/4	2/4	3/4
Lubricating oils and grease	1	1	1	1	1	1	1	1
Soap solution	1	3	1	1	1	1	1	1
Nitrogen	1	1	1	1	1/4	1/4	1/4	
Synthetic esters (HEES)	2 (<100 °C)	1	1	1	1	1	2/4	3/4
Essence of turpentine	1	2	1	1	1	1	1/6	
Tetra chloromethane	1	2	1	1	1	3		
Toluene	1/2	2	1	1	1	1/6	2	2
Trichloroethylene	1/2	1	1	1	2	3		
Triglycerides (HETG)	2 (<80 °C)	1	1	1	1	1	2/4	3/4
Water	1	3	1	1	1	1	1	1
Sea water	1	3	3	2	1	1	1	1

*) Application of suitable sealing materials on request.

Explanations:

- 1 = good, absolute resistance without modifications
- 2 = limited, resistance depends on using time and operating conditions
- 3 = not recommended - material is affected and the mechanical characteristics are decreased
- 4 = slight diffusion when using gases; can only be used as a test- and filling hose. For permanent use, we recommend our measuring tubes made of stainless steel
- 5 = the transparent material can change the colour
- 6 = slight swelling, but no modifications of the mechanical characteristics

If your medium of application is not mentioned, please get in contact with us.