



Choice of Couplings and Seals

Simple and quick connection with no force or loss of pressure in the system

Throughput media	Coupling		Seal		
	SC	SV 'R'	NBR	FPM	EPDM
Acetone	+				+
Acetylene	+		+		
Air	+		+		
Aircraft fuel JP3-6	+		+		
Ammonium nitrate		+			+
Amyl alcohol		+			+
Beer		+	+		
Blast furnace gas		+		+	
Borax		+		+	
Butane	+		+		
Butyl alcohol		+	+		
Butylene	+			+	
Caustic soda		+			+
Carbon disulphide		+		+	
Calcium hydroxide		+	+		
Citric acid		+	+		
Copper nitrate		+	+		
Coffee		+	+		
Compressed air	+		+		
Creosote		+	+		
Cresol		+		+	
Cyclohexane	+		+		
Diesel oil	+		+		
Distilled water		+	+		
Emulsion water-oil		+	+		
Essential oils	+			+	
Ethyl alcohol		+			+
Ethylene glycol	+		+		
Formalin		+	+		
Freon 13, 14, 32, 113	+		+		
Freon 114, 115, 142, 152	+		+		
Gear oil	+		+		
Glucose		+	+		

Throughput media	Coupling		Seal		
	SC	SV 'R'	NBR	FPM	EPDM
Glycerine	+		+		
Heating oil	+		+		
Helium	+		+		
Heptane	+		+		
Hydrogen	+		+		
Hydraulic mineral oil	+		+		
Ink		+	+		
Isopropyl alcohol	+			+	
Kerosene	+		+		
Linseed oil	+		+		
Liquid ammonia		+			+
Lubricating oil	+		+		
Magnesium hydroxide		+		+	
Machine oil	+		+		
Methane	+			+	
Methanol	+		+		
Milk		+	+		
Mineral oil	+		+		
Mercury	+		+		
Naphthalene	+			+	
Natural gas	+		+		
Nitrogen gas	+		+		
Oxalic acid		+		+	
Paraffin	+			+	
Petrol	+		+		
Petroleum	+		+		
Potassium hydroxide		+			+
Potassium sulphate		+	+		
Prussic acid		+		+	
Propane gas	+		+		
Phosphoric acid 10%		+		+	

Throughput media	Coupling		Seal		
	SC	SV 'R'	NBR	FPM	EPDM
Salicylic acid		+		+	
Sea water		+	+		
Sodium acetate		+			+
Sodium bicarbonate		+	+		
Sodium carbonate		+	+		
Sodium chloride		+	+		
Sodium sulphide		+	+		
Steam up to 200°		+			+
Sulphur dioxide		+			+
Sugar root juice		+	+		
Tar	+			+	
Tetrachloromethane		+		+	
Titanium tetrachloride		+		+	
Toluene	+			+	
Transformer oil	+		+		
Trichloroethylene		+		+	
Tupentine	+		+		
Turbo oil	+		+		
Vacuum	+		+		
Vegetable oils		+	+		
Water up to 80°		+	+		
Water up to 140°		+			+
Wine		+	+		
Whisky		+	+		
Xylol		+		+	
Zeolite		+	+		
Zinc acetate		+			+
Zinc chloride		+	+		

Choice of couplings and seals according to throughput media

This information is not binding and is based on the recommendations as made by the manufacturers of the seals.

The abbreviations mean:

SC = Couplings SC
SV 'R' = Couplings SV stainless steel
NBR = Nitrile elastomer
FPM = Fluorine elastomer
EPDM = Ethylene-propylene elastomer