

GENERIC LINER INFORMATION FOR BUTTERFLY VALVES

Elastomer liners - General information chart for guidance purposes only

The information below should be used as a typical guide as service temperatures may vary slightly from manufacturer to manufacturer. The application guide is derived from recommendations given by elastomer manufacturers.

The resistance offered by the liner can be affected by the flowing media, ie: its concentration, temperature, pressure and flow rate. Always check with the manufacturer of the specific valve you intend to use if you are unsure of it's suitability for your application.

MATERIAL	GENERAL APPLICATION	SERVICE TEMPERA- TURE	NOT FOR USE ON
EPDM	Fresh water		Hydrocarbons
(Ethylene-propylene rubber)	Sea water		Petrol & Oils
	Brine	Limits:	Fats
	Esters	-15°C to +120°C	Greases
	Alkalis		
	Ozone	Max for continuous use:	
	Alcohols	0°C to +100°C	
	Brake fluid		
	Animal & vegetable fats/ greases		
	Caustic soda solution		
NBR	Fresh water		Solvents
(Butadiene-acrilonitrile rubber)	Sea water	Limits:	Aromatic hydrocarbons
	Caustic soda solution	-10°C to +80°C	(Eg: Benzene, Toluene, Xylene)
	Hydrocarbons		Chlorinated hydrocarbons
	Natural Gas	Max for continuous use:	(Eg: Chloroform, trichloethylene)
	Oils & Fats	0°C to +70°C	Xylol
	Air		Steam
	Gasoline (Petrol)		
VITON	Diluted & concentrated acids	Limits:	Steam
(Fluorocarbonated rubber)	Oils	-10°C to +200°C	Ester
	Animal & vegetable greases	Max for continuous use:	Alkalis
	Hydrocarbons	0°C to +180°C	Solvents
			Ketones
SILICONE	Food	Limits:	Steam
(Polyxiloxane rubber)	Beverage	-20°C to +200°C	Solvents
		Max for continuous use:	Hydrocarbons
		0°C to +180°C	Diluted concentrated acids
			Vegetable & animal greases
TEFLON	Solvents	Limits:	Fluids containing powders
(Polytetrafluoroethylene)	Corrosive products	-50°C to +200°C	Alkalines
	Ketones	Max for continuous use:	Gaseous fluorides
		-20°C to +180°C	