



# Butterfly Valve Liners



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## Elastomer liners - General information chart

The information below should be used as a general guide as service temperatures may vary slightly from manufacturer to manufacturer.

The application guide is derived from recommendations given by the elastomer manufacturers.

The resistance offered by the liner can be affected by the flowing media, ie: its concentration, temperature, pressure and flow rate.

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