

**Butterfly Valve Materials Selection**  
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The references below of available valve component materials and line media are a guide only. It is to be used as a basis for selecting suitable valve component materials to the applicable line media. In no way does this guide guaranty full valve component and line media compatibility. Only testing of components with line media assures compatibility.

The customer and or engineering firms representing the customer bares the full responsibility of complete compatibility of valve components with line media. In no way will **Flow Line Valve and Controls, L.L.C.** assume the responsibility for chemical resistance on various valve components that may affect the life expectancy of the valve.

The customer and or engineering firm representing the customer should always take into consideration factors of temperature, combinations of media components and media concentrations. The customers performing their own test are the only positive way of assuring compatibility.

	E = EXCELLENT		G = GOOD		U = UNSATISFACTORY		O = NOT TESTED	
	Nickel PI Duct. Iron	416 SS	316 SS	Alum. Bronze	Buna-N	EPDM	Viton	
Sodium Hydroxide 20%	U	U	E	U	G	E	U	
Sodium Hydroxide 50%	U	U	G	U	U	G	U	
Sodium Hydroxide 70%	U	U	G	U	U	G	U	
Sodium Hypchlorite 5% 60° F	U	O	G	U	U	E	G	
Sodium Metaphosphate	O	G	E	O	E	E	E	
Sodium Nitrate 30% 60° F	U	G	E	G	G	E	G	
Sodium Perborate	U	G	E	O	G	E	E	
Sodium Peroxide	U	G	E	U	U	E	E	
Sodium Phosphate 5% 60° F	U	G	E	O	G	E	E	
Sodium Silicate	U	G	E	G	E	E	E	
Sodium Sulphate 80% 60° F	U	G	E	G	E	E	E	
Sodium Sulfide 70% 70° F	U	G	E	U	U	E	E	
Sodium Sulfite 5% 70° F	U	O	O	U	G	E	E	
Sodium Thiosulfate	U	E	E	E	E	E	E	
Stannic Chloride	U	U	U	O	E	E	E	
Starch Solutions	O	O	O	O	E	E	E	
Steam 225° F	U	U	E	E	U	E	U	
Steam 300° F	U	U	E	G	U	G	U	
Stearic Acid 90% 200° F	U	G	E	U	E	G	E	
Stoddard's Solvent	O	O	O	O	E	U	E	
Sulfur Chloride	G	U	G	E	U	U	E	
Sulphur (Molten)	U	G	G	U	U	E	G	
Sulphur Dioxide 60° F	U	G	E	U	U	E	U	