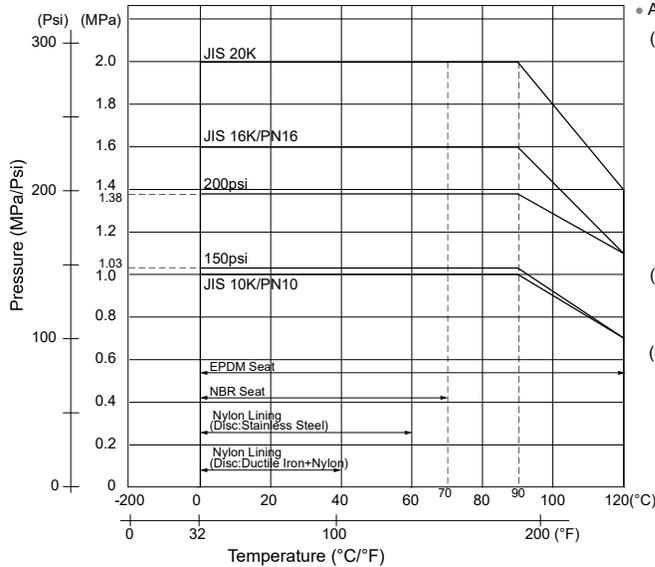


Type	Butterfly					Butterfly				Butterfly			Butterfly				Butterfly			
																				
Fig	PN16L2-N-UME<Z0T04>					10L2-N-U<Z0T02>				10L1-N-UE			10L2-N-UE<Z0T02>				20L2-N-UE			
Product Code	957-MESG					562-UNSG				562-UESL			562-UESG				570-UESG			
inch	mm	L	H	D	B	L	H	D	B	L	H	D	L	H	D	B	L	H	D	B
2	50	43	194	80	122	43	194	80	122	43	191	180	43	194	80	122	43	194	80	122
2 1/2	65	46	202	80	122	46	202	80	122	46	199	180	46	202	80	122	46	202	80	122
3	80	46	236	110	135	46	236	110	135	46	217	180	46	236	110	135	46	236	110	135
4	100	52	246	110	135	52	246	110	135	52	227	180	52	246	110	135	52	246	110	135
5	125	56	274	110	150	56	274	110	150	56	265	230	56	274	110	150	56	274	110	150
6	150	56	286	110	150	56	286	110	150	56	277	230	56	286	110	150	56	286	110	150
8	200	60	325	170	180	60	325	170	180				60	325	170	180	60	325	170	180
10	250	68	381	250	250	68	381	170	180				68	381	170	180	68	381	250	250
12	300	78	406	250	250	78	406	170	180				78	406	170	180	78	406	250	250
14	350	78	461	360	350	78	445	310	220				78	445	310	220	78	445	310	220
16	400	102	516	360	350	102	500	310	220				102	500	310	220	102	500	310	220
18	450	114	540	360	350	114	524	310	220				114	524	310	220	114	540	360	350
20	500	127	623	500	400	127	589	360	350				127	589	360	350	127	589	500	350
22	550																154	646	500	400
24	600	154	671	500	400	154	637	360	350				154	637	360	350	154	871	500	400
Body	Ductile Iron					Ductile Iron				Ductile Iron			Ductile Iron/Cast Iron				Ductile Iron			
Stem	Stainless Steel					Stainless Steel				Stainless Steel			Stainless Steel				Stainless Steel			
Disc	Stainless Steel					Stainless Steel				Stainless Steel			Stainless Steel				Stainless Steel			
O ring	NBR/EPDM					NBR				EPDM			EPDM				EPDM			
Seat Rubber	NBR/EPDM					NBR				EPDM			EPDM				EPDM			

## Pressure-Temperature Ratings

### Rubber Seat



#### Application of Pressure-Temperature Rating

(1) This diagram is based on maximum allowable working pressure and temperature, pressure-temperature characteristics of EPDM in JIS B2032 (Wafer type rubber-seated butterfly valves). In actual application, it is necessary to expect safety allowance in consideration of piping design conditions, etc.

Generally, the following safety allowance is recommended.

- For large size  
10 - 15%.
- For pulsated flow or steam (Teflon® or metal seat)  
20 - 25%.

(2) In case of applying some regulations, such as Japanese government standards, etc., it may be restricted in material, temperature, design, strength, etc. Beforehand, please refer to related regulation or standard.

(3) In JIS B2032, the maximum allowable flow velocity of fluid when the valve is fully open is specified as 3m/s at nominal pressure of 10K and 4m/s at nominal pressure or at 16K and 30m/s in case of gas. If flow velocity exceeds the above criteria, the pipe diameter should be amended.

Note: Maximum allowable working pressure is affected by the coupling flange when installing a valve with JIS 5K flanges.  
 Static water flow : 0.7 MPa  
 Pulsated water flow : 0.6 MPa



#### Caution

1. Rubber seat (NBR/EPDM) may deteriorate at early stage in service of hot water supply line.
2. EPDM seated butterfly valve shall not be used for any oil applications.