KEYSTONE FIGURE 990 AND 920 RESILIENT SEATED BUTTERFLY VALVES

A split body thin disc valve for high flow and modulating service
Figure 990 - Wafer body design
Figure 920 - Lugged body design



FEATURES

- One-piece, thin profile, disc stem provides minimum obstruction to flow, resulting in highest C_v, lowest pressure drops and best control characteristics.
- Rounded polished disc edge gives full concentric sealing, lower torques, longer seat life and tight shut-off.
- Triple function, resilient seat isolates body and stem from line media, provides drop-tight shut-off of line media at full-rated pressure and provides positive flange sealing, eliminating the need for flange gaskets.
- Heavy duty, corrosion resistant top bushing provides upper stem support, absorbs actuator sideloading and extends valve cycle life.
- Bi-directional, self-adjusting double V-cup stem seals prevent external contaminants from entering the valve.
- Split body design enables easy field replacement of seat and disc/stem and permits direct mounting of Keystone actuators without the use of couplings or brackets.

GENERAL APPLICATION

Figure 990 and 920 valves are used when modulating service or corrosion resistance is required. Heavy duty applications include food and beverage, pharmaceutical, pulp and paper, mining, oil and gas and power industries. Available with PTFE lining for light corrosive services and rubber lining for light abrasive services.

FLANGE STANDARD

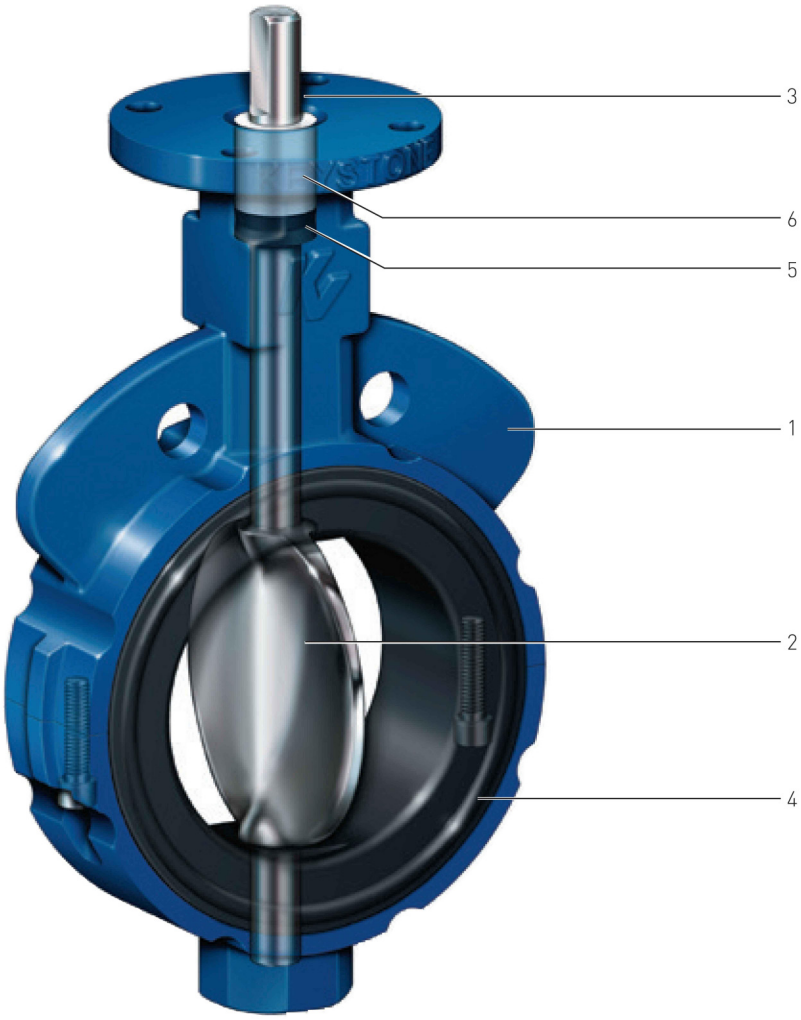
Figure 990 is a resilient-seated, wafer-style, butterfly valve suitable for installation between ASME 125/150 flanges.
Figure 920 provides drilled and tapped lugs around the valve body, compatible with ASME 125/150 flange standards.

TECHNICAL DATA

Sizes:	DN 25-500 (NPS 1-20) Wafer style DN 50-500 (NPS 2-20) Lugged style
Pressure ratings:	10 bar DN 25-300 (150 psi NPS 1-12) 5 bar DN 350-500 (75 psi NPS 14-20) PTFE or elastomer mold disc 7 bar DN 50-300 (100 psi NPS 2-12) 5 bar DN 350-500 (75 psi NPS 14-20) White NBR seats 3.5 bar DN 50-500 (50 psi NPS 2-20)
Flange accommodation:	ASME 125/150 AS 2129 Table E

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MATERIALS



Note: F990 wafer valve illustrated

MATERIALS

No.	Description	Material	Material standard
1	Two-piece body	Cast iron	ASTM A-126, Class B
		Ductile iron (lug style only)	ASTM A-395 Gr. 60/40/18
		316 Stainless steel	ASTM A-743 CF8M[1]
2	Thin profile disc	316 Stainless steel	
		Steel PTFE molded[2]	
		Steel EPDM molded[2]	
		Steel NBR molded[2]	
		Steel urethane molded	
		Ceramic coated	
3	Stem	316 Stainless steel	
4	Seat	NBR food grade (-18°C to 100°C / -0°F to 212°F)	
		EPDM food grade (-40°C to 121°C / -40°F to 250°F)	
		PTFE-lined EPDM (-29°C to 149°C / -20°F to 300°F)	
		PTFE-lined NBR (-18°C to 121°C / 0°F to 250°F)	
5	Stem packing	NBR	
6	Upper stem bushing	Polyester	

NOTES

1. Not available on DN 65 and 125 (NPS 2½ and 5). Stainless steel bodies, DN 50 to 150 (NPS 2 to 6), include upper and lower stem bearings.
2. Not available on DN 25, 40, 65 and 125 (NPS 1, 1½, 2½ and 5).

KEYSTONE FIGURE 990 AND 920 RESILIENT SEATED BUTTERFLY VALVES

METRIC DATA

FIGURE 990 WAFER

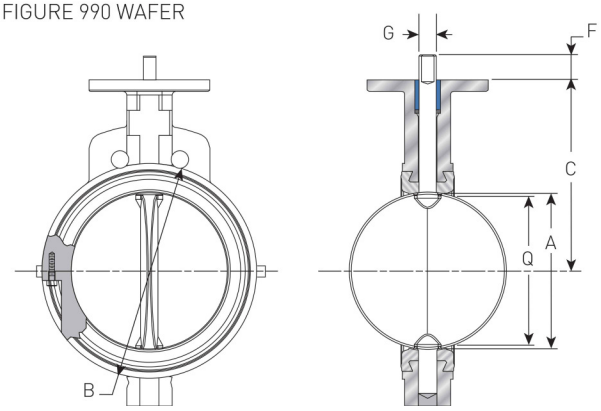
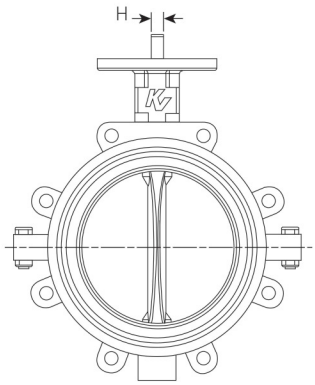


FIGURE 920 LUG



CAST AND DUCTILE IRON BODY (mm)

Size										Top plate drilling				Tapped lug data			Weight (kg)		Adapt
DN	A	B	C	D	E	F	G	H[1]	Q[3]	Key	Bolt circle	No. holes	Hole dia.	Bolt circle	No. holes	Tap size	990	920	code
25	30	62	79	29	57	19	9.53	6.35	16	N/A	44.5	4	7.1	N/A	N/A	N/A	0.7	N/A	AAA
40	44	82	94	30	57	19	9.53	6.35	37	N/A	44.5	4	7.1	N/A	N/A	N/A	1.0	N/A	AAA
50	51	105	140	41	102	32	14.29	9.53	35	N/A	82.6	4	11.1	120.7	4	5⁄8 - 11 UNC	2.7	3.2	BAB
65	64	117	152	44	102	32	14.29	9.53	52	N/A	82.6	4	11.1	139.7	4	5⁄8 - 11 UNC	3.6	4.4	BAB
80	76	130	159	44	102	32	14.29	9.53	65	N/A	82.6	4	11.1	152.4	4	5⁄8 - 11 UNC	4.1	4.5	BAB
100	102	162	178	51	102	32	15.88	11.11	92	N/A	82.6	4	11.1	190.5	8	5⁄8 - 11 UNC	5.0	7.6	BAC
125	127	187	191	54	102	32	19.05	12.70	121	N/A	82.6	4	11.1	215.9	8	3⁄4 - 10 UNC	7.0	10.0	BAD
150	146	216	203	54	102	32	19.05	12.70	140	N/A	82.6	4	11.1	241.3	8	3⁄4 - 10 UNC	8.0	11.0	BAD
200	197	271	241	64	152	32	22.23	15.88	191	N/A	127.0	4	14.3	298.5	8	3⁄4 - 10 UNC	14.0	19.0	CAE
250	248	330	273	64	152	51	28.58	N/A	244	6.4 x 6.4	127.0	4	14.3	362.0	12	7⁄8 - 9 UNC	20.0	29.0	CAF
300	298	376	311	76	152	51	28.58	N/A	294	6.4 x 6.4	127.0	4	14.3	431.8	12	7⁄8 - 9 UNC	35.0	49.0	CAF
350	339	429	305	76	152	76	34.93	N/A	333	8.0 x 8.0	127.0	4	14.3	476.3	12	1 - 8 UNC	48.0	65.0	CAG
400	391	483	329	102	152	76	41.28	N/A	381	9.5 x 9.5	127.0	4	14.3	539.8	16	1 - 8 UNC	82.0	108.0	CAH
450	441	543	368	108	203	108	47.63	N/A	432	12.7 x 9.5	165.1	4	20.6	577.9	16	1 1⁄8 - 7 UNC	101.0	118.0	DAJ
500	492	597	403	127	203	108	47.63	N/A	479	12.7 x 9.5	165.1	4	20.6	635.0	20	1 1⁄8 - 7 UNC	143.0	166.0	DAJ

STAINLESS STEEL BODY (mm)

Size										Top plate drilling			Tapped lug data			Weight (kg)		Adapt
DN	A	B	C	D	E	F	G	H[1]	Q[3]	Bolt. circle	No. holes	Hole dia.	Bolt circle	No. holes	Tap size	990	920	code
25	30	60	79	29	89	19	9.53	6.35	16	44.5	4	7.9	N/A	N/A	N/A	0.6	N/A	AAA
40	44	76	95	30	89	19	9.53	6.35	37	44.5	4	7.9	N/A	N/A	N/A	0.8	N/A	AAA
50	51	98	140	41	78	32	14.29	9.53	35	82.6	4	11.1	120.7	4	5⁄8 - 11 UNC	1.7	2.4	BAB
80	76	127	159	44	78	32	14.29	9.53	65	82.6	4	11.1	152.4	4	5⁄8 - 11 UNC	2.7	3.3	BAB
100	102	159	178	51	78	32	15.88	11.11	92	82.6	4	11.1	190.5	8	5⁄8 - 11 UNC	3.9	6.1	BAC
150	146	210	203	54	78	32	19.05	12.70	140	82.6	4	11.1	241.3	8	3⁄4 - 10 UNC	5.9	8.6	BAD

NOTES

1. "H" dimension refers to flat on stem.
2. DN 25 and DN 40 valve assemblies with stainless steel body are furnished with integral 10-position throttling plate.
3. "Q" dimension is the minimum allowable pipe or flange inside diameter at the centered body face to protect the disc sealing edge against damage when opening the valve.

N/A = Not available

KEYSTONE FIGURE 990 AND 920 RESILIENT SEATED BUTTERFLY VALVES

IMPERIAL DATA

FIGURE 990 WAFER

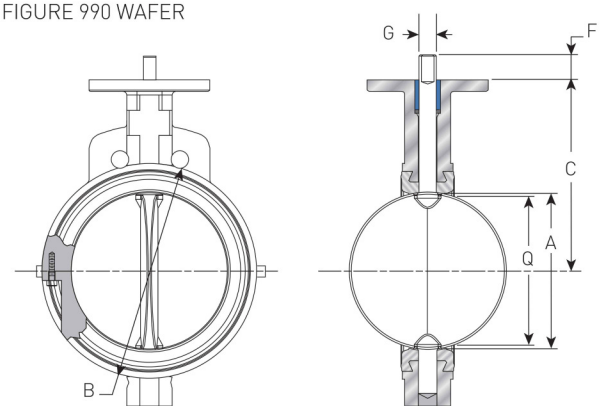
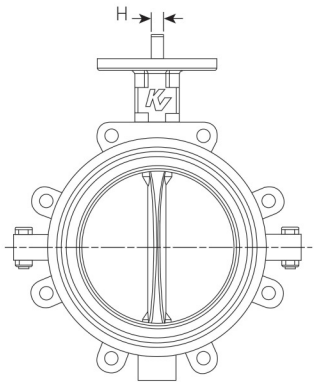


FIGURE 920 LUG



CAST AND DUCTILE IRON BODY (inches)

Size										Top plate drilling				Tapped lug data			Weight (lbs.)		Adapt
NPS	A	B	C	D	E	F	G	H[1]	Q[3]	Key	Bolt circle	No. holes	Hole dia.	Bolt circle	No. holes	Tap size	990	920	code
1	1 3/16	2 7/16	3 1/8	1 1/8	2 1/4	3/4	3/8	1/4	5/8	N/A	1 3/4	4	9/32	N/A	N/A	N/A	1 1/2	N/A	AAA
1 1/2	1 3/4	3 7/32	3 23/32	1 3/16	2 1/4	3/4	3/8	1/4	1 7/16	N/A	1 3/4	4	9/32	N/A	N/A	N/A	2 1/4	N/A	AAA
2	2	4 1/8	5 1/2	1 5/8	4	1 1/4	9/16	3/8	1 3/8	N/A	3 1/4	4	7/16	4 3/4	4	5/8 - 11 UNC	6	7	BAB
2 1/2	2 1/2	4 5/8	6	1 3/4	4	1 1/4	9/16	3/8	2 1/16	N/A	3 1/4	4	7/16	5 1/2	4	5/8 - 11 UNC	8	9 3/4	BAB
3	3	5 1/8	6 1/4	1 3/4	4	1 1/4	9/16	3/8	2 9/16	N/A	3 1/4	4	7/16	6	4	5/8 - 11 UNC	9	10	BAB
4	4	6 3/8	7	2	4	1 1/4	5/8	7/16	3 5/8	N/A	3 1/4	4	7/16	7 1/2	8	5/8 - 11 UNC	11	16 3/4	BAC
5	5	7 3/8	7 1/2	2 1/8	4	1 1/4	3/4	1/2	4 3/4	N/A	3 1/4	4	7/16	8 1/2	8	3/4 - 10 UNC	15 1/2	22	BAD
6	5 3/4	8 1/2	8	2 1/8	4	1 1/4	3/4	1/2	5 1/2	N/A	3 1/4	4	7/16	9 1/2	8	3/4 - 10 UNC	17 1/2	24 1/4	BAD
8	7 3/4	10 11/16	9 1/2	2 1/2	6	1 1/4	7/8	5/8	7 1/2	N/A	5	4	9/16	11 3/4	8	3/4 - 10 UNC	30	42	CAE
10	9 3/4	13	10 3/4	2 1/2	6	2	1 1/8	N/A	9 19/32	1/4 x 1/4	5	4	9/16	14 1/4	12	7/8 - 9 UNC	45	65	CAF
12	11 3/4	14 13/16	12 1/4	3	6	2	1 1/8	N/A	11 9/16	1/4 x 1/4	5	4	9/16	17	12	7/8 - 9 UNC	78	108	CAF
14	13 23/64	16 7/8	12	3	6	3	1 3/8	N/A	13 1/8	5/16 x 5/16	5	4	9/16	18 3/4	12	1 - 8 UNC	105	143	CAG
16	15 3/8	19	12 15/16	4	6	3	1 5/8	N/A	15	3/8 x 3/8	5	4	9/16	21 1/4	16	1 - 8 UNC	180	238	CAH
18	17 3/8	21 3/8	14 1/2	4 1/4	8	4 1/4	1 7/8	N/A	17	1/2 x 3/8	6 1/2	4	13/16	22 3/4	16	1 1/8 - 7 UNC	222	261	DAJ
20	19 3/8	23 1/2	15 7/8	5	8	4 1/4	1 7/8	N/A	18 7/8	1/2 x 3/8	6 1/2	4	13/16	25	20	1 1/8 - 7 UNC	315	366	DAJ

STAINLESS STEEL BODY (inches)

Size										Top plate drilling			Tapped lug data			Weight (lbs.)		Adapt
NPS	A	B	C	D	E	F	G	H[1]	Q[3]	Bolt. circle	No. holes	Hole dia.	Bolt circle	No. holes	Tap size	990	920	code
1	1 3/16	2 3/8	3 1/8	1 1/8	3 1/2	3/4	3/8	1/4	5/8	1 3/4	4	5/16	N/A	N/A	N/A	1 1/4	N/A	AAA
1 1/2	1 3/4	3	3 3/4	1 3/16	3 1/2	3/4	3/8	1/4	1 7/16	1 3/4	4	5/16	N/A	N/A	N/A	1 3/4	N/A	AAA
2	2	3 7/8	5 1/2	1 5/8	3 1/16	1 1/4	9/16	3/8	1 3/8	3 1/4	4	7/16	4 3/4	4	5/8 - 11 UNC	3 3/4	5 1/4	BAB
3	3	5	6 1/4	1 3/4	3 1/16	1 1/4	9/16	3/8	2 9/16	3 1/4	4	7/16	6	4	5/8 - 11 UNC	6	7 1/4	BAB
4	4	6 1/4	7	2	3 1/16	1 1/4	5/8	7/16	3 5/8	3 1/4	4	7/16	7 1/2	8	5/8 - 11 UNC	8 1/2	13 1/2	BAC
6	5 3/4	8 1/4	8	2 1/8	3 1/16	1 1/4	3/4	1/2	5 1/2	3 1/4	4	7/16	9 1/2	8	3/4 - 10 UNC	13	19	BAD

NOTES

1. "H" dimension refers to flat on stem.
2. NPS 1 and NPS 1½ valve assemblies with stainless steel body are furnished with integral 10-position throttling plate.
3. "Q" dimension is the minimum allowable pipe or flange inside diameter at the centered body face to protect the disc sealing edge against damage when opening the valve.

N/A = Not available

PTFE LINED

The Keystone figure 990 and 920 is offered with PTFE lining for mildly corrosive services or an elastomer lining for mildly abrasive services.





FLOW COEFFICIENT (K_V)

Valve size	Angle of disc opening								
DN	10°	20°	30°	40°	50°	60°	70°	80°	90°
25	0.06	0.6	2.4	4.2	7.2	11.2	21	36	77
40	0.14	1.4	5.6	9.9	17.3	27.0	48	76	140
50	0.26	2.3	9.3	16.2	28.0	44.0	79	139	231
65	0.39	3.9	15.6	28.0	47.0	74.0	132	236	390
80	0.61	6.0	24.0	42.0	72.0	114.0	203	362	599
100	1.12	11.3	45.0	80.0	137.0	216.0	387	688	1137
125	1.82	18.3	73.0	128.0	219.0	346.0	620	1103	1823
150	2.42	24.0	97.0	169.0	290.0	458.0	734	1462	2413
200	4.50	45.0	180.0	316.0	541.0	856.0	1531	2725	4505
250	7.18	72.0	287.0	503.0	862.0	1367.0	2444	4347	7186
300	10.38	104.0	416.0	728.0	1246.0	1977.0	3538	6293	10406
350	12.98	130.0	519.0	908.0	1557.0	2465.0	4412	7850	12975
400	17.30	173.0	690.0	1208.0	2072.0	3280.0	5872	10445	17265
450	22.32	223.0	893.0	1561.0	2677.0	4239.0	7584	13494	22308
500	27.85	279.0	1116.0	1952.0	3348.0	5298.0	9480	16868	27888

Note: K_v = The volumne of water in cubic meters per hour that will pass through a valve with a pressure drop of 1 bar at 20°C.

FLOW COEFFICIENT (C_V)

Valve size	Angle of disc opening								
NPS	10°	20°	30°	40°	50°	60°	70°	80°	90°
1	0.07	0.7	2.8	4.8	8.3	13	24	42	89
1½	0.16	1.6	6.5	11.4	20.0	31	55	88	162
2	0.30	2.7	10.7	18.7	32.0	51	91	161	267
2½	0.45	4.5	18.0	32.0	54.0	86	153	273	451
3	0.70	6.9	27.7	49.0	83.0	132	235	419	693
4	1.30	13.1	52.6	92.0	158.0	250	447	795	1314
5	2.10	21.1	84.3	148.0	253.0	400	717	1275	2108
6	2.80	27.9	112.0	195.0	335.0	530	848	1690	2790
8	5.20	52.1	208.0	365.0	625.0	990	1770	3150	5208
10	8.30	83.1	332.0	582.0	997.0	1580	2825	5025	8308
12	12.00	120.0	481.0	842.0	1440.0	2286	4090	7275	12030
14	15.00	150.0	600.0	1050.0	1800.0	2850	5100	9075	15000
16	20.00	200.0	798.0	1397.0	2395.0	3792	6788	12075	19960
18	25.80	258.0	1032.0	1805.0	3095.0	4900	8768	15600	25790
20	32.20	322.0	1290.0	2257.0	3870.0	6125	10960	19500	32240

Note: C_v = The volume of water in US gallons per minute that will pass through a valve with a pressure drop of 1 psi at 70°F.

FLOW CONTROL CHARACTERISTICS

While most butterfly valves achieve an equal percentage characteristic, the Keystone thin-profile disc design does so at a significantly higher capacity through the valve's full travel. This results in not only 100:1 rangeability (Maximum K_v or C_v/Minimum K_v or C_v), but also greatly increased turndown ratio (Maximum Flow/Minimum Flow).

THIN DISC FLOW CONTROL

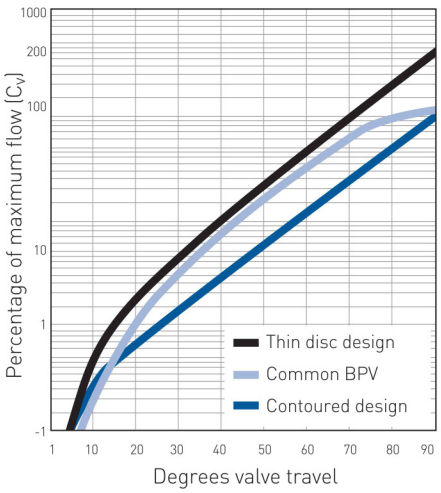


FIGURE 990/920 SEATING AND UNSEATING TORQUES (Nm)

Application	Valve size (DN)														
ΔP	25	40	50	65	80	100	125	150	200	250	300	350	400	450	500
I															
0	4	7	12	15	18	27	37	51	85	130	175	243	311	390	480
3.5	6	10	14	16	20	31	42	62	107	164	232	333	446	593	763
7	7	11	15	18	23	34	48	73	130	198	288	424	582	797	1045
10	8	12	16	19	25	37	54	85	153	232	345	514	718	1000	1328
3.5 (U/C)	-	-	-	-	-	19	25	35	57	85	113	164	209	266	322
II															
0	6	9	25	31	36	54	73	102	170	260	350	486	622	780	961
3.5	8	12	26	32	38	58	79	113	192	294	407	576	757	983	1243
7	9	13	27	33	41	61	85	124	215	328	463	667	893	1187	1526
10	10	14	28	34	43	64	90	136	237	362	520	757	1028	1390	1808
3.5 (U/C)	-	-	-	-	-	41	55	80	136	203	283	418	554	735	927
III															
0	8	11	37	46	54	81	110	153	254	390	525	729	932	1170	1441
3.5	10	14	38	46	57	85	116	164	277	424	582	819	1068	1373	1723
7	11	16	40	47	59	88	121	175	299	458	638	910	1203	1576	2006
10	12	17	41	49	61	103	127	186	322	492	695	1000	1339	1780	2288
3.5 (U/C)	-	-	-	-	-	59	80	115	192	288	396	582	763	1000	1249

FIGURE 990/920 SEATING AND UNSEATING TORQUES (in Lbs.)

Application	Valve size (NPS)														
ΔP	1	1½	2	2½	3	4	5	6	8	10	12	14	16	18	20
I															
0	35	60	110	135	160	240	325	450	750	1150	1550	2150	2750	3450	4250
50	55	90	120	145	180	270	375	550	950	1450	2050	2950	3950	5250	6750
100	60	100	130	155	200	300	425	650	1150	1750	2550	3750	5150	7050	9250
150	70	105	140	165	220	330	475	750	1350	2050	3050	4550	6350	8850	11750
50 (U/C)	-	-	-	-	-	165	220	306	500	750	1000	1450	1850	2350	2850
II															
0	55	80	220	270	320	480	650	900	1500	2300	3100	4300	5500	6900	8500
50	70	105	230	280	340	510	700	1000	1700	2600	3600	5100	6700	8700	11000
100	80	115	240	290	360	540	750	1100	1900	2900	4100	5900	7900	10500	13500
150	90	125	250	300	380	570	800	1200	2100	3200	4600	6700	9100	12300	16000
50 (U/C)	-	-	-	-	-	360	490	710	1200	1800	2500	3700	4900	6500	8200
III															
0	70	100	330	405	480	720	975	1350	2250	3450	4650	6450	8250	10350	12750
50	90	125	340	410	500	750	1025	1450	2450	3750	5150	7250	9450	12150	15250
100	100	140	350	420	520	780	1075	1550	2650	4050	5650	8050	10650	13950	17750
150	105	150	360	430	540	910	1125	1650	2850	4350	6150	8850	11850	15750	20250
50 (U/C)	-	-	-	-	-	525	710	1015	1700	2550	3500	5150	6750	8850	11050

TORQUE APPLICATION FACTOR CATEGORIES

Application I
Clean liquid lubricating media (water, clean oils, lube oil, mineral oil, etc.);
and with no deposit or chemical attack, valve operated at least once a week.
Temperature range from 0°C (32°F) to maximum temperature rating of the elastomer seat.

Application II
Other liquid media and lubricating gases (aqueous liquids, such as food and beverage, water, etc.);
and with minor deposit or chemical attack, valve operated at least once a month.
Temperature range from 0°C (32°F) to maximum temperature rating of the elastomer seat.

Application III
a. Dry non-abrasive media or gases (non-abrasive powders and dry gas); or
b. Fluids with moderate deposit or chemical attack; or
c. Valves operated less than once a month.
Temperature range from 0°C (32°F) to maximum temperature rating of the elastomer seat.

NOTES

1. For applications with temperatures above or below the guidelines above, please consult factory.

PRESSURE-TEMPERATURE DIAGRAM (metric)

Seat material	Disc material	Body material	Size range (DN)	Temperature (°C) -40	-30	-20	-15	0	40	80	100	120	150
EPDM	316 Stainless steel	All	25 - 300					10 bar					
	Super duplex	All	25 - 300					10 bar					
	EPDM covered	All	50 - 300					7 bar					
NBR	316 Stainless steel	All	25 - 300						10 bar				
	Super duplex	All	25 - 300						10 bar				
	NBR covered	All	50 - 300						7 bar				
PTFE/EPDM	316 Stainless steel	All	50 - 300					10 bar				1 bar	
	Super duplex	All	50 - 300					10 bar				1 bar	
	PTFE	All	50 - 300					7 bar				1 bar	
PTFE/NBR	316 Stainless steel	All	50 - 300						10 bar				
	Super duplex	All	50 - 300						10 bar				
	PTFE	All	50 - 300						7 bar				
Polyurethane	316 Stainless steel	All	50 - 300					7 bar					
	Super duplex	All	50 - 300					7 bar					
	Ceramic	All	50 - 300					7 bar					
	Polyurethane	All	50 - 300					7 bar					
White NBR	316 Stainless steel	All	50 - 300						3.5 bar				
EPDM	316 Stainless steel	All	350 - 500					5 bar					
	Super duplex	All	350 - 500					5 bar					
	EPDM covered	All	350 - 500					5 bar					
NBR	316 Stainless steel	All	350 - 500						5 bar				
	Super duplex	All	350 - 500						5 bar				
PTFE/EPDM	316 Stainless steel	All	350 - 500					5 bar				1 bar	
	Super duplex	All	350 - 500					5 bar				1 bar	
	PTFE	All	350 - 500					5 bar				1 bar	
PTFE/NBR	316 Stainless steel	All	350 - 500						5 bar				
	Super duplex	All	350 - 500						5 bar				
	PTFE	All	350 - 500						5 bar				
Polyurethane	316 Stainless steel	All	350 - 500					5 bar					
	Super duplex	All	350 - 500					5 bar					
	Polyurethane	All	350 - 500					5 bar					
White NBR	316 Stainless steel	All	350 - 500						3.5 bar				

PRESSURE-TEMPERATURE DIAGRAM (Imperial)

Seat material	Disc material	Body material	Size range (NPS)	Temperature (°F) -40	-20	0	32	122	176	212	248	302
EPDM	316 Stainless steel	All	1 - 12				150 psi					
	Super duplex	All	1 - 12				150 psi					
	EPDM covered	All	2 - 12				100 psi					
NBR	316 Stainless steel	All	1 - 12					150 psi				
	Super duplex	All	1 - 12					150 psi				
	NBR covered	All	2 - 12					100 psi				
PTFE/EPDM	316 Stainless steel	All	2 - 12					150 psi			15 psi	
	Super duplex	All	2 - 12					150 psi			15 psi	
	PTFE	All	2 - 12					100 psi			15 psi	
PTFE/NBR	316 Stainless steel	All	2 - 12					150 psi				
	Super duplex	All	2 - 12					150 psi				
	PTFE	All	2 - 12					100 psi				
Polyurethane	316 Stainless steel	All	2 - 12				100 psi					
	Super duplex	All	2 - 12				100 psi					
	Ceramic	All	2 - 12				100 psi					
	Polyurethane	All	2 - 12				100 psi					
White NBR	316 Stainless steel	All	2 - 12					50 psi				
EPDM	316 Stainless steel	All	14 - 20				75 psi					
	Super duplex	All	14 - 20				75 psi					
	EPDM covered	All	14 - 20				75 psi					
NBR	316 Stainless steel	All	14 - 20					75 psi				
	Super duplex	All	14 - 20					75 psi				
PTFE/EPDM	316 Stainless steel	All	14 - 20					75 psi			15 psi	
	Super duplex	All	14 - 20					75 psi			15 psi	
	PTFE	All	14 - 20					75 psi			15 psi	
PTFE/NBR	316 Stainless steel	All	14 - 20					75 psi				
	Super duplex	All	14 - 20					75 psi				
	PTFE	All	14 - 20					75 psi				
Polyurethane	316 Stainless steel	All	14 - 20				75 psi					
	Super duplex	All	14 - 20				75 psi					
	Polyurethane	All	14 - 20				75 psi					
White NBR	316 Stainless steel	All	14 - 20					50 psi				

SELECTION GUIDE

Example:				920L	0100	- I0	S0	S0	E0	A1	K	- 00	000	00
Series														
900														
Body style														
920L	Lug													
990W	Wafer													
Size														
0025	DN 25/NPS 1 [1]	**0200**	DN 200/NPS 8											
0040	DN 40/NPS 1½ [1]	**0250**	DN 250/NPS 10											
0050	DN 50/NPS 2	**0300**	DN 300/NPS 12											
0065	DN 65/NPS 2½	**0350**	DN 350/NPS 14											
0080	DN 80/NPS 3	**0400**	DN 400/ NPS 16											
0100	DN 100/NPS 4	**0450**	DN 450/NPS 18											
0125	DN 125/NPS 5	**0500**	DN 500/NPS 20											
0150	DN 150/NPS 6													
Body														
I0	Cast iron													
I3	Cast iron - ENP													
D2	Ductile iron A395 [4]													
S0	316 stainless steel [2]													
Disc														
S0	316 stainless steel			**E0**	EPDM molded CS [3]									
S3	316 stainless steel mirror polish			**E1**	NBR molded CS [3]									
S6	316 stainless steel brushed finish			**E2**	PTFE molded CS [3]									
S7	316 stainless steel - ceramic ctd			**E6**	PTFE molded SS [3]									
U0	Duplex			**E3**	Urethane molded CS									
V0	Super duplex			**H0**	Hastelloy® C276									
Shaft														
S0	316 stainless steel			**V0**	Super duplex									
U0	Duplex			**H0**	Hastelloy® C276									
Seat														
E0	EPDM FG			**T1**	PTFE/EPDM									
N0	NBR FG			**T2**	PTFE/NBR									
N9	White NBR			**T3**	PTFE/EPDM green									
F1	FKM			**U1**	Urethane (red)									
Flange drilling														
Single drilled lug and wafer				**Multi drilled wafer**										
A1	ASME 125/150			**M2**	PN10/16 ASME 150, BS E									
AE	AS2129 table E			**M3**	ASME 150/AS2129 table E									
AD	AS 4087 PN16/AS2129 table D			**M4**	ASME 150/DIN (PN6,10,16)									
				M6	ASME 150/AS2129 E/AS4087 PN16									
Actuator mounting														
K	Keystone mount													
Actuation														
00	None			**G1**	Gear - blue									
H1	10 pos handle - blue			**G5**	Chainwheel - blue									
Special														
000	None			**A00**	Weep holes and U/C disc									
002	Weep holes			**A01**	Bearings and U/C disc									
003	Weep holes and slotted stem			**P04**	Reduced disc for 50 psi									
009	Silicone free			**C22**	NSF/ANSI std 61									
017	Bearings													
Coating														
00	Standard blue			**03**	C5M Keystone blue									
02	C3 Keystone blue			**07**	White epoxy									

NOTES

1. Only available in the Figure 990 - DIN 25 and 40 (NPS 1 and 1½).
2. Only available in DN 50-150 (NPS 2-6) in the Figure 990 and DIN 50-300 (NPS 2-12) in the 920. Not available in the DN 65 and 125 (NPS 2½ and 5).
3. Not available in DN 25, 40, 65 and 125 (NPS 1, 1½, 2½ and 5).
4. Not available in wafer style body.

Other options are available upon request. Please consult your local sales representative.

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