

**40 PSIG AIR SUPPLY  
CLASS A TORQUE (2)**

**SERIES 90 - DOUBLE ACTING - AIR TO OPEN - AIR TO CLOSE**

Valve Size (In.)	Reduced Dia. Disc 50 PSI Rated		Standard Valve (1)							
	Δ P=50 PSI		Δ P=50 PSI		Δ P=100 PSI		Δ P=150 PSI		Δ P=175 PSI	
	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code
1	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
1 ½	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
2	63	A0	63	A0	63	A0	63	A0	63	A0
2 ½	83	A1	83	A1	83	A1	83	A1	83	A1
3	83	A1	83	A1	83	A1	83	A1	83	A1
4	83	B1	92	B1	92	B1	92	B1	92	B1
5	92	C0	118	C3	118	C3	118	C3	118	C3
6	92	C0	118	C3	118	C3	118	C3	118	C3
8	118	D3	127	D3	160	D3	160	D3	160	D3
10	127	E0	160	E0	160	E0	160	E0	160	E0
12	160	E0	210	E2	210	E2	210	E2	210	E2
14	210	F1	210	F1	210	F1	255	F2-3	-	-
16	210	F1	255	F2-3	255	F2-3	255	F2-3	-	-
18	210	G0	255	G1	255	G1	255	G1	-	-
20	255	G1	255	G1	255	G1	255	G1	-	-

**SERIES 91 - SINGLE ACTING - AIR TO CLOSE - SPRING TO OPEN**

1	633	AA2	633	AA2	832	AA3	832	AA3	832	AA3
1 ½	832	AA3	832	AA3	832	AA3	832	AA3	832	AA3
2	832	A1	832	A1	832	A1	832	A1	832	A1
2 ½	922	A1	922	A1	923	A1	923	A1	923	A1
3	1182	A3	1182	A3	1182	A3	1182	A3	1182	A3
4	1182	B3	1182	B3	1183	B3	1183	B3	1183	B3
5	1183	C3	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1
6	1183	C3	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1
8	1602	D3	1603	D3	2102	D4	2102	D4	2102	D4
10	1603	E0	2103	E2	2103	E2	2103	E2	2103	E2
12	2103	E2	2552	*	2552	*	2552	*	2552	*
14	2552	F2-3	2552	F2-3	2553	F2-3	2553	F2-3	-	-
16	2552	F2-3	2553	F2-3	2553	F2-3	-	-	-	-
18	2553	G1	2553	G1	-	-	-	-	-	-
20	2553	G1	-	-	-	-	-	-	-	-

**SERIES 91 - SINGLE ACTING - AIR TO OPEN - SPRING TO CLOSE**

1	632	AA2	632	AA2	832	AA3	832	AA3	832	AA3
1 ½	832	AA3	832	AA3	832	AA3	832	AA3	832	AA3
2	832	A1	832	A1	832	A1	832	A1	832	A1
2 ½	922	A1	922	A1	922	A1	922	A1	922	A1
3	1182	A3	1182	A3	1182	A3	1182	A3	1182	A3
4	1182	B3	1182	B3	1182	B3	1182	B3	1182	B3
5	1182	C3	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1
6	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1
8	1602	D3	2102	D4	2102	D4	2102	D4	2102	D4
10	2102	E2	2102	E2	2102	E2	2552	*	2552	*
12	2102	E2	2552	*	2552	*	2552	*	2552	*
14	2552	F2-3	2552	F2-3	2552	F2-3	2552	F2-3	-	-
16	2552	F2-3	2552	F2-3	-	-	-	-	-	-
18	2552	G1	-	-	-	-	-	-	-	-
20	2552	G1	-	-	-	-	-	-	-	-

**NOTES:**

- Series 20, 21, 30, 31 & 34 Resilient seated butterfly valves. Maximum working pressure 2"-12" = 175 PSI; 14"-20" = 150 PSI
- Selection based on Class A seating/unseating torques at various pressure differentials across disc in closed position.
- For dynamic torque considerations, see Technical Bulletin 1002.
- 4 \* = Consult Factory

**60 PSIG AIR SUPPLY  
CLASS A TORQUE (2)**

**SERIES 90 - DOUBLE ACTING - AIR TO OPEN - AIR TO CLOSE**

Valve Size (In.)	Reduced Dia. Disc 50 PSI Rated		Standard Valve (1)							
	Δ P=50 PSI		Δ P=50 PSI		Δ P=100 PSI		Δ P=150 PSI		Δ P=175 PSI	
	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code
1	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
1 ½	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
2	63	A0	63	A0	63	A0	63	A0	63	A0
2 ½	63	A0	63	A0	63	A0	63	A0	63	A0
3	83	A1	83	A1	83	A1	83	A1	83	A1
4	83	B1	83	B1	83	B1	83	B1	83	B1
5	83	C0	92	C0	92	C0	92	C0	92	C0
6	83	C0	92	C0	118	C3	118	C3	118	C3
8	118	D3	118	D3	118	D3	127	D3	127	D3
10	118	E0	127	E0	160	E0	160	E0	160	E0
12	127	E0	160	E0	160	E0	160	E0	160	E0
14	160	F0	210	F1	210	F1	210	F1	-	-
16	160	F0	210	F1	210	F1	210	F1	-	-
18	210	G0	210	G0	255	G1	255	G1	-	-
20	210	G0	255	G1	255	G1	255	G1	-	-

**SERIES 91 - SINGLE ACTING - AIR TO OPEN - SPRING TO CLOSE**

1	633	AA2	633	AA2	633	AA2	633	AA2	633	AA2
1 ½	634	AA2	634	AA2	634	AA2	634	AA2	634	AA2
2	832	A1	832	A1	832	A1	832	A1	832	A1
2 ½	833	A1	833	A1	833	A1	834	A1	834	A1
3	84	A1	834	A1	834	A1	923	A1	923	A1
4	834	B1	924	B1	1183	B3	1183	B3	1183	B3
5	1183	C3	1184	C3	1184	C3	1184	C3	1184	C3
6	1183	C3	1184	C3	1273	C3	1274	C3	1274	C3
8	1274	D3	1603	D3	1604	D3	1604	D3	1604	D3
10	1603	E0	1605	E0	2103	E2	2103	E2	2103	E2
12	2103	E2	2104	E2	2104	E2	2105	E2	2552	*
14	2104	F1	2552	F2-3	2553	F2-3	2553	F2-3	-	-
16	2104	F1	2553	F2-3	2553	F2-3	2554	F2-3	-	-
18	2553	G1	2553	G1	2554	G1	-	-	-	-
20	2553	G1	2554	G1	-	-	-	-	-	-

**SERIES 91 - SINGLE ACTING - AIR TO CLOSE - SPRING TO OPEN**

1	632	AA2	632	AA2	632	AA2	632	AA2	632	AA2
1 ½	633	AA2	633	AA2	633	AA2	633	AA2	633	AA2
2	832	A1	832	A1	832	A1	832	A1	832	A1
2 ½	832	A1	832	A1	833	A1	833	A1	833	A1
3	833	A1	833	A1	833	A1	923	A1	923	A1
4	833	B1	1182	B3	1182	B3	1182	B3	1182	B3
5	1182	C3	1182	C3	1183	C3	1183	C3	1183	C3
6	1182	C3	1183	C3	1272	C3	1272	C3	1272	C3
8	1272	D3	1602	D3	1602	D3	1602	D3	1603	D3
10	1602	E0	2102	E2	2102	E2	2102	E2	2102	E2
12	2102	E2	2102	E2	2103	E2	2552	*	2552	*
14	2102	F1	2552	F2-3	2552	F2-3	2552	F2-3	-	-
16	2103	F1	2552	F2-3	2552	F2-3	2553	F2-3	-	-
18	2552	G1	2553	G1	2553	G1	-	-	-	-
20	2552	G1	2553	G1	-	-	-	-	-	-

**NOTES:**

1. Series 20, 21, 30, 31 & 34 Resilient seated butterfly valves. Maximum working pressure 2"-12" = 175 PSI; 14"-20" = 150 PSI
2. Selection based on Class A seating/unseating torques at various pressure differentials across disc in closed position.
3. For dynamic torque considerations, see Technical Bulletin 1002.
4. 4 \* = Consult Factory

**80 PSIG AIR SUPPLY  
CLASS A TORQUE (2)**

**SERIES 90 - DOUBLE ACTING - AIR TO OPEN - AIR TO CLOSE**

Valve Size (In.)	Reduced Dia. Disc 50 PSI Rated		Standard Valve (1)							
	Δ P=50 PSI		Δ P=50 PSI		Δ P=100 PSI		Δ P=150 PSI		Δ P=175 PSI	
	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code
1	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
1 ½	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
2	63	A0	63	A0	63	A0	63	A0	63	A0
2 ½	63	A0	63	A0	63	A0	63	A0	63	A0
3	63	A0	63	A0	63	A0	63	A0	63	A0
4	83	B1	83	B1	83	B1	83	B1	83	B1
5	83	C0	83	C0	83	C0	83	C0	83	C0
6	83	C0	83	C0	92	C0	92	C0	92	C0
8	118	D3	118	D3	118	D3	118	D3	118	D3
10	118	E0	118	E0	127	E0	127	E0	127	E0
12	118	E0	160	E0	160	E0	160	E0	160	E0
14	160	E0	160	F0	160	F0	210	F1	-	-
16	160	F0	210	F1	210	F1	210	F1	-	-
18	210	G0	210	G0	210	G0	210	G0	-	-
20	210	G0	210	G0	210	G0	255	G1	-	-

**SERIES 91 - SINGLE ACTING - AIR TO OPEN - SPRING TO CLOSE**

1	633	AA2	633	AA2	633	AA2	633	AA2	633	AA2
1 ½	634	AA2	634	AA2	634	AA2	634	AA2	634	AA2
2	635	A0	635	A0	635	A0	635	A0	635	A0
2 ½	833	A1	833	A1	833	A1	834	A1	834	A1
3	834	A1	834	A1	834	A1	835	A1	835	A1
4	834	B1	924	B1	925	B1	925	B1	925	B1
5	925	C0	1184	C3	1184	C3	1184	C3	1184	C3
6	1183	C3	1184	C3	1185	C3	1185	C3	1185	C3
8	1185	D3	1603	D3	1604	D3	1604	D3	1604	D3
10	1603	E0	1605	E0	1606	E0	1606	E0	2103	E2
12	1605	E0	2104	E2	2104	E2	2105	E2	2105	E2
14	2104	F1	2105	F1	2106	F1	2553	F2-3	-	-
16	2104	F1	2106	F1	2553	F2-3	2554	F2-3	-	-
18	2105	G0	2553	G1	2554	G1	2555	G1	-	-
20	2553	G1	2554	G1	2555	G1	2556	G1	-	-

**SERIES 91 - SINGLE ACTING - AIR TO CLOSE - SPRING TO OPEN**

1	632	AA2	632	AA2	632	AA2	632	AA2	632	AA2
1 ½	633	A2	633	AA2	633	AA2	633	AA2	633	AA2
2	633	A0	633	A0	634	A0	634	A0	634	A0
2 ½	832	A1	832	A1	833	A1	833	A1	833	A1
3	833	A1	833	A1	833	A1	833	A1	833	A1
4	833	B1	923	B1	923	B1	924	B1	924	B1
5	923	C0	1182	C3	1183	C3	1183	C3	1183	C3
6	924	C0	1183	C3	1183	C3	1183	C3	1184	C3
8	1184	D3	1273	D3	1602	D3	1602	D3	1603	D3
10	1273	E0	1603	E0	1603	E0	1604	E0	2102	E2
12	1603	E0	2102	E2	2103	E2	2103	E2	2103	E2
14	2102	F1	2103	F1	2104	F1	2552	F2-3	-	-
16	2103	F1	2552	F2-3	2552	F2-3	2553	F2-3	-	-
18	2103	G0	2552	G1	2553	G1	2553	G1	-	-
20	2552	G1	2553	G1	2554	G1	2554	G1	-	-

**NOTES:**

1. Series 20, 21, 30, 31 & 34 Resilient seated butterfly valves. Maximum working pressure 2"-12" = 175 PSI; 14"-20" = 150 PSI
2. Selection based on Class A seating/unseating torques at various pressure differentials across disc in closed position.
3. For dynamic torque considerations, see Technical Bulletin 1002.
4. 4 \* = Consult Factory

**100 PSIG AIR SUPPLY  
CLASS A TORQUE (2)**

**SERIES 90 - DOUBLE ACTING - AIR TO OPEN - AIR TO CLOSE**

Valve Size (In.)	Reduced Dia. Disc 50 PSI Rated		Standard Valve (1)							
	Δ P=50 PSI		Δ P=50 PSI		Δ P=100 PSI		Δ P=150 PSI		Δ P=175 PSI	
	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code
1	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
1 ½	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
2	63	A0	63	A0	63	A0	63	A0	63	A0
2 ½	63	A0	63	A0	63	A0	63	A0	63	A0
3	63	A0	63	A0	63	A0	63	A0	63	A0
4	83	B1	83	B1	83	B1	83	B1	83	B1
5	83	C0	83	C0	83	C0	83	C0	83	C0
6	83	C0	83	C0	83	C0	83	C0	92	C0
8	118	D3	118	D3	118	D3	118	D3	118	D3
10	118	E0	118	E0	118	E0	118	E0	118	E0
12	118	E0	127	E0	127	E0	160	E0	160	E0
14	160	F0	160	F0	160	F0	160	F0	-	-
16	160	F0	160	F0	160	F0	210	F1	-	-
18	210	G0	210	G0	210	G0	210	G0	-	-
20	210	G0	210	G0	210	G0	210	G0	-	-

**SERIES 91 - SINGLE ACTING - AIR TO OPEN - SPRING TO CLOSE**

1	633	AA2	633	AA2	633	AA2	633	AA2	633	AA2
1 ½	634	AA2	634	AA2	634	AA2	634	AA2	634	AA2
2	635	A0	635	A0	635	A0	635	A0	635	A0
2 ½	833	A1	833	A1	833	A1	834	A1	834	A1
3	834	A1	834	A1	834	A1	835	A1	835	A1
4	834	B1	924	B1	925	B1	925	B1	925	B1
5	925	C0	1184	C3	1184	C3	1184	C3	1184	C3
6	926	C0	1184	C3	1185	C3	1185	C3	1185	C3
8	1185	D3	1276	D3	1276	D3	1604	D3	1604	D3
10	1276	E0	1605	E0	1606	E0	1606	E0	2103	E2
12	1605	E0	2104	E2	2104	E2	2105	E2	2105	E2
14	2104	F1	2105	F1	2106	F1	2553	F2-3	-	-
16	2104	F1	2106	F1	2553	F2-3	2554	F2-3	-	-
18	2105	G0	2553	G1	2554	G1	2555	G1	-	-
20	2553	G1	2554	G1	2555	G1	2556	G1	-	-

**SERIES 91 - SINGLE ACTING - AIR TO CLOSE - SPRING TO OPEN**

1	632	AA2	632	AA2	632	AA2	632	AA2	632	AA2
1 ½	633	AA2	633	AA2	633	AA2	633	AA2	633	AA2
2	633	A0	633	A0	634	A0	634	A0	634	A0
2 ½	635	A0	635	A0	833	A1	833	A1	833	A1
3	833	A1	833	A1	833	A1	833	A1	833	A1
4	833	B1	835	B1	835	B1	835	B1	835	B1
5	835	C0	925	C0	925	C0	1183	C3	1183	C3
6	924	C0	1183	D3	1183	D3	1183	D3	1184	D3
8	1184	D3	1273	D3	1274	D3	1274	D3	1274	D3
10	1273	E0	1603	E0	1603	E0	1604	E0	1604	E0
12	1603	E0	1604	E0	2103	E2	2103	E2	2103	E2
14	1604	F0	2103	F1	2104	F1	2104	F1	-	-
16	2103	F1	2104	F1	2552	F2-3	2553	F2-3	-	-
18	2103	G0	2552	G1	2553	G1	2553	G1	-	-
20	2104	G0	2553	G1	2554	G1	2554	G1	-	-

**NOTES:**

1. Series 20, 21, 30, 31 & 34 Resilient seated butterfly valves. Maximum working pressure 2"-12" = 175 PSI; 14"-20" = 150 PSI
2. Selection based on Class A seating/unseating torques at various pressure differentials across disc in closed position.
3. For dynamic torque considerations, see Technical Bulletin 1002.
4. 4 \* = Consult Factory

**40 PSIG AIR SUPPLY  
CLASS B TORQUE (2)**

**SERIES 90 - DOUBLE ACTING - AIR TO OPEN - AIR TO CLOSE**

Valve Size (In.)	Reduced Dia. Disc 50 PSI Rated		Standard Valve (1)							
	Δ P=50 PSI		Δ P=50 PSI		Δ P=100 PSI		Δ P=150 PSI		Δ P=175 PSI	
	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code
1	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
1 ½	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
2	63	A0	63	A0	63	A0	63	A0	63	A0
2 ½	83	A1	83	A1	83	A1	83	A1	83	A1
3	83	A1	83	A1	83	A1	83	A1	83	A1
4	83	B1	92	B1	92	B1	92	B1	92	B1
5	92	C0	118	C3	118	C3	118	C3	118	C3
6	118	C3	118	C3	118	C3	118	C3	118	C3
8	118	D3	160	D3	160	D3	160	D3	160	D3
10	160	E0	160	E0	160	E0	210	E2	210	E2
12	160	E0	210	E2	210	E2	210	E2	210	E2
14	210	F1	210	F1	210	F1	255	F2-3	-	-
16	210	F1	255	F2-3	255	F2-3	255	F2-3	-	-
18	210	G0	255	G1	255	G1	255	G1	-	-
20	255	G1	255	G1	255	G1	-	-	-	-

**SERIES 91 - SINGLE ACTING - AIR TO OPEN - SPRING TO CLOSE**

1	832	AA3	832	AA3	832	AA3	832	AA3	832	AA3
1 ½	832	AA3	832	AA3	832	AA3	832	AA3	832	AA3
2	832	A1	832	A1	832	A1	832	A1	832	A1
2 ½	833	A1	923	A1	923	A1	923	A1	1182	A3
3	1182	A3	1182	A3	1182	A3	1182	A3	1182	A3
4	1182	B3	1183	B3	1183	B3	1183	B3	1183	B3
5	1183	C3	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1
6	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1	1603	C2-1
8	1603	D3	2102	D4	2102	D4	2102	D4	2102	D4
10	2102	E2	2103	E2	2103	E2	2103	E2	2552	*
12	2103	E2	2552	*	2552	*	2552	*	2552	*
14	2552	F2-3	2553	F2-3	2553	F2-3	-	-	-	-
16	2552	F2-3	2553	F2-3	-	-	-	-	-	-
18	2553	G1	-	-	-	-	-	-	-	-
20	2553	G1	-	-	-	-	-	-	-	-

**SERIES 91 - SINGLE ACTING - AIR TO CLOSE - SPRING TO OPEN**

1	632	AA2	632	AA2	832	AA3	832	AA3	832	AA3
1 ½	832	AA3	832	AA3	832	AA3	832	AA3	832	AA3
2	832	A1	832	A1	832	A1	832	A1	832	A1
2 ½	922	A1	922	A1	922	A1	922	A1	922	A1
3	1182	A3	1182	A3	1182	A3	1182	A3	1182	A3
4	1182	B3	1182	B3	1182	B3	1182	B3	1182	B3
5	1182	C3	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1
6	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1
8	1602	D3	2102	D4	2102	D4	2102	D4	2102	D4
10	2102	E2	2102	E2	2552	*	2552	*	2552	*
12	2102	E2	2552	*	2552	*	2552	*	2552	*
14	2552	F2-3	2552	F2-3	2552	F2-3	2552	F2-3	-	-
16	2552	F2-3	2552	F2-3	-	-	-	-	-	-
18	2552	G1	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-

**NOTES:**

- Series 20, 21, 30, 31 & 34 Resilient seated butterfly valves. Maximum working pressure 2"-12" = 175 PSI; 14"-20" = 150 PSI
- Selection based on Class A seating/unseating torques at various pressure differentials across disc in closed position.
- For dynamic torque considerations, see Technical Bulletin 1002.
- 4 \* = Consult Factory

**60 PSIG AIR SUPPLY  
CLASS B TORQUE (2)**

**SERIES 90 - DOUBLE ACTING - AIR TO OPEN - AIR TO CLOSE**

Valve Size (In.)	Reduced Dia. Disc 50 PSI Rated		Standard Valve (1)							
	Δ P=50 PSI		Δ P=50 PSI		Δ P=100 PSI		Δ P=150 PSI		Δ P=175 PSI	
	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code
1	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
1 ½	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
2	63	A0	63	A0	63	A0	63	A0	63	A0
2 ½	63	A0	63	A0	63	A0	63	A0	63	A0
3	83	A1	83	A1	83	A1	83	A1	83	A1
4	83	B1	83	B1	83	B1	83	B1	83	B1
5	83	C0	92	C0	92	C0	92	C0	118	C3
6	92	C0	118	C3	118	C3	118	C3	118	C3
8	118	D3	118	D3	127	D3	127	D3	127	D3
10	118	E0	160	E0	160	E0	160	E0	160	E0
12	160	E0	160	E0	160	E0	210	E2	210	E2
14	160	E0	210	F1	210	F1	210	F1	-	-
16	160	F0	210	F1	210	F1	255	F2-3	-	-
18	210	G0	210	G0	255	G1	255	G1	-	-
20	210	G0	255	G1	255	G1	255	G1	-	-

**SERIES 91 - SINGLE ACTING - AIR TO OPEN - SPRING TO CLOSE**

1	633	AA2	633	AA2	633	AA2	633	AA2	633	AA2
1 ½	634	AA2	634	AA2	634	AA2	634	AA2	832	AA3
2	832	A1	832	A1	832	A1	832	A1	832	A1
2 ½	833	A1	833	A1	834	A1	834	A1	834	A1
3	823	A1	923	A1	923	A1	924	A1	924	A1
4	823	B1	1183	B3	1183	B3	1183	B3	1183	B3
5	1183	C3	1184	C3	1184	C3	1184	C3	1273	C3
6	1183	C3	1273	C3	1274	C3	1274	C3	1274	C3
8	1274	D3	1604	D3	1604	D3	1605	D3	1605	D3
10	1604	E0	2103	E2	2103	E2	2103	E2	2104	E2
12	2103	E2	2104	E2	2104	E2	2552	*	2552	*
14	2104	F1	2553	F2-3	2553	F2-3	2553	F2-3	-	-
16	2552	F2-3	2553	F2-3	2554	F2-3	2554	F2-3	-	-
18	2553	G1	2554	G1	2555	G1	-	-	-	-
20	2553	G1	-	-	-	-	-	-	-	-

**SERIES 91 - SINGLE ACTING - AIR TO CLOSE - SPRING TO OPEN**

1	632	AA2	632	AA2	632	AA2	632	AA2	632	AA2
1 ½	633	AA2	633	AA2	633	AA2	832	AA3	832	AA3
2	832	A1	832	A1	832	A1	832	A1	832	A1
2 ½	833	A1	833	A1	833	A1	833	A1	833	A1
3	833	A1	833	A1	923	A1	923	A1	923	A1
4	923	B1	1182	B3	1182	B3	1182	B3	1182	B3
5	1182	C3	1183	C3	1183	C3	1183	C3	1272	C3
6	1182	C3	1272	C3	1272	C3	1602	C2-1	1602	C2-1
8	1602	D3	1602	D3	1602	D3	2102	D4	2102	D4
10	1602	E0	2102	E2	2102	E2	2102	E2	2102	E2
12	2102	E2	2103	E2	2103	E2	2552	*	2552	*
14	2103	F1	2552	F2-3	2552	F2-3	2552	F2-3	-	-
16	2552	F2-3	2552	F2-3	2553	F2-3	2553	F2-3	-	-
18	2552	G1	2553	G1	2553	G1	-	-	-	-
20	2552	G1	2553	G1	-	-	-	-	-	-

**NOTES:**

- Series 20, 21, 30, 31 & 34 Resilient seated butterfly valves. Maximum working pressure 2"-12" = 175 PSI; 14"-20" = 150 PSI
- Selection based on Class A seating/unseating torques at various pressure differentials across disc in closed position.
- For dynamic torque considerations, see Technical Bulletin 1002.
- 4 \* = Consult Factory

**80 PSIG AIR SUPPLY  
CLASS B TORQUE (2)**

**SERIES 90 - DOUBLE ACTING - AIR TO OPEN - AIR TO CLOSE**

Valve Size (In.)	Reduced Dia. Disc 50 PSI Rated		Standard Valve (1)							
	Δ P=50 PSI		Δ P=50 PSI		Δ P=100 PSI		Δ P=150 PSI		Δ P=175 PSI	
	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code
1	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
1 ½	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
2	63	A0	63	A0	63	A0	63	A0	63	A0
2 ½	63	A0	63	A0	63	A0	63	A0	63	A0
3	63	A0	63	A0	63	A0	63	A0	63	A0
4	83	B1	83	B1	83	B1	83	B1	83	B1
5	83	C0	83	C0	83	C0	92	C0	92	C0
6	83	C0	92	C0	92	C0	92	C0	92	C0
8	118	D3	118	D3	118	D3	118	D3	118	D3
10	118	E0	127	E0	127	E0	127	E0	160	E0
12	127	E0	160	E0	160	E0	160	E0	160	E0
14	160	F0	160	F0	160	F0	210	F1	-	-
16	160	F0	210	F1	210	F1	210	F1	-	-
18	210	G0	210	G0	210	G0	210	G0	-	-
20	210	G0	210	G0	255	G1	255	G1	-	-

**SERIES 91 - SINGLE ACTING - AIR TO CLOSE - SPRING TO OPEN**

1	633	AA2	633	AA2	633	AA2	633	AA2	633	AA2
1 ½	634	AA2	634	AA2	634	AA2	634	AA2	635	AA2
2	635	A0	635	A0	635	A0	635	A0	832	A1
2 ½	833	A1	833	A1	834	A1	834	A1	834	A1
3	835	A1	835	A1	835	A1	835	A1	835	A1
4	835	B1	925	B1	925	B1	925	B1	926	B1
5	925	C0	1184	C3	1184	C3	1184	C3	1185	C3
6	1183	C3	1185	C3	185	C3	1186	C3	1186	C3
8	1186	D3	1604	D3	1604	D3	1605	D3	1605	D3
10	1604	E0	1605	E0	1606	E0	2103	E2	2104	E2
12	1606	E0	2104	E2	2104	E2	2105	E2	2105	E2
14	2104	F1	2106	F1	2106	F1	2553	F2-3	-	-
16	2105	F1	2553	F2-3	2554	F2-3	2554	F2-3	-	-
18	2106	G0	2554	G1	2555	G1	2556	G1	-	-
20	2553	G1	2555	G1	2556	G1	-	-	-	-

**SERIES 91 - SINGLE ACTING - AIR TO OPEN - SPRING TO CLOSE**

1	632	AA2	632	AA2	632	AA2	632	AA2	632	AA2
1 ½	633	AA2	633	AA2	633	AA2	633	AA2	633	AA2
2	634	A0	634	A0	634	A0	634	A0	634	A0
2 ½	833	A1	833	A1	833	A1	833	A1	833	A1
3	833	A1	833	A1	833	A1	834	A1	834	A1
4	833	B1	924	B1	924	B1	924	B1	924	B1
5	924	C0	1183	C3	1183	C3	1183	C3	1183	C3
6	1182	C3	1183	C3	1183	C3	1184	C3	1273	C3
8	1184	D3	1602	D3	1602	D3	1603	D3	1603	D3
10	1602	E0	1603	E0	1604	E0	2102	E2	2102	E2
12	1603	E0	2103	E2	2103	E2	2103	E2	2103	E2
14	2103	F1	2104	F1	2552	F2-3	2552	F2-3	-	-
16	2103	F1	2552	F2-3	2553	F2-3	2553	F2-3	-	-
18	2104	G0	2553	G1	2553	G1	2554	G1	-	-
20	2552	G1	2553	G1	2554	G1	-	-	-	-

**NOTES:**

- Series 20, 21, 30, 31 & 34 Resilient seated butterfly valves. Maximum working pressure 2"-12" = 175 PSI; 14"-20" = 150 PSI
- Selection based on Class A seating/unseating torques at various pressure differentials across disc in closed position.
- For dynamic torque considerations, see Technical Bulletin 1002.
- 4 \* = Consult Factory

**100 PSIG AIR SUPPLY  
CLASS B TORQUE (2)**

**SERIES 90 - DOUBLE ACTING - AIR TO OPEN - AIR TO CLOSE**

Valve Size (In.)	Reduced Dia. Disc 50 PSI Rated		Standard Valve (1)							
	Δ P=50 PSI		Δ P=50 PSI		Δ P=100 PSI		Δ P=150 PSI		Δ P=175 PSI	
	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code
1	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
1 ½	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
2	63	A0	63	A0	63	A0	63	A0	63	A0
2 ½	63	A0	63	A0	63	A0	63	A0	63	A0
3	63	A0	63	A0	63	A0	63	A0	63	A0
4	83	B1	83	B1	83	B1	83	B1	83	B1
5	83	C0	83	C0	83	C0	83	C0	83	C0
6	93	C0	83	C0	83	C0	92	C0	92	C0
8	118	D3	118	D3	118	D3	118	D3	118	D3
10	118	E0	118	E0	118	E0	127	E0	127	E0
12	118	E0	127	E0	160	E0	160	E0	160	E0
14	160	F0	160	F0	160	F0	160	F0	-	-
16	160	F0	160	F0	210	F1	210	F1	-	-
18	210	G0	210	G0	210	G0	210	G0	-	-
20	210	G0	210	G0	210	G0	255	G1	-	-

**SERIES 91 - SINGLE ACTING - AIR TO OPEN - SPRING TO CLOSE**

1	633	AA2	633	AA2	633	AA2	633	AA2	633	AA2
1 ½	634	AA2	634	AA2	634	AA2	634	AA2	635	AA2
2	635	A0	635	A0	635	A0	635	A0	636	A0
2 ½	833	A1	833	A1	834	A1	834	A1	834	A1
3	835	A1	835	A1	835	A1	835	A1	835	A1
4	835	B1	925	B1	925	B1	925	B1	926	B1
5	925	C0	1184	C3	1184	C3	1184	C3	1185	C3
6	926	C0	1185	C3	1185	C3	1186	C3	1186	C3
8	1186	D3	1276	D3	1604	D3	1605	D3	1605	D3
10	1276	E0	1605	E0	1606	E0	2103	E2	2104	E2
12	1606	E0	2104	E2	2104	E2	2105	E2	2105	E2
14	2104	F1	2106	F1	2106	F1	2553	F2-3	-	-
16	2105	F1	2553	F2-3	2554	F2-3	2554	F2-3	-	-
18	2106	G0	2554	G1	2555	G1	2556	G1	-	-
20	2553	G1	2555	G1	2556	G1	-	-	-	-

**SERIES 91 - SINGLE ACTING - AIR TO CLOSE - SPRING TO OPEN**

1	632	AA2	632	AA2	632	AA2	632	AA2	632	AA2
1 ½	633	AA2	633	AA2	633	AA2	633	AA2	633	AA2
2	634	A0	634	A0	634	A0	634	A0	634	A0
2 ½	833	A1	833	A1	833	A1	833	A1	833	A1
3	833	A1	833	A1	833	A1	834	A1	834	A1
4	833	B1	835	B1	835	B1	924	B1	924	B1
5	835	C0	1183	C3	1183	C3	1183	C3	1183	C3
6	925	C0	1183	C3	1183	C3	1184	C3	1184	C3
8	1184	D3	1274	D3	1274	D3	1603	D3	1603	D3
10	1274	E0	1603	E0	1604	E0	1604	E0	1604	E0
12	1603	E0	2103	E2	2103	E2	2103	E2	2103	E2
14	2103	F1	2104	F1	2104	F1	2104	F1	-	-
16	2103	F1	2104	F1	2553	F2-3	2553	F2-3	-	-
18	2104	G0	2553	G1	2553	G1	2554	G1	-	-
20	2552	G1	2553	G1	2554	G1	2555	G1	-	-

**NOTES:**

1. Series 20, 21, 30, 31 & 34 Resilient seated butterfly valves. Maximum working pressure 2"-12" = 175 PSI; 14"-20" = 150 PSI
2. Selection based on Class A seating/unseating torques at various pressure differentials across disc in closed position.
3. For dynamic torque considerations, see Technical Bulletin 1002.
4. 4 \* = Consult Factory

**40 PSIG AIR SUPPLY  
CLASS C TORQUE (2)**

**SERIES 90 - DOUBLE ACTING - AIR TO OPEN - AIR TO CLOSE**

Valve Size (In.)	Reduced Dia. Disc 50 PSI Rated		Standard Valve (1)							
	Δ P=50 PSI		Δ P=50 PSI		Δ P=100 PSI		Δ P=150 PSI		Δ P=175 PSI	
	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code
1	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
1 ½	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
2	83	A1	83	A1	83	A1	83	A1	83	A1
2 ½	83	A1	83	A1	83	A1	83	A1	83	A1
3	83	A1	83	A1	83	A1	92	A1	92	A1
4	83	B1	118	B3	118	B3	118	B3	118	B3
5	118	C3	118	C3	118	C3	118	C3	118	C3
6	118	C3	118	C3	127	C3	127	C3	127	C3
8	127	D3	160	D3	160	D3	160	D3	160	D3
10	160	E0	210	E2	210	E2	210	E2	210	E2
12	210	E2	210	E2	210	E2	210	E2	210	E2
14	210	F1	255	F2-3	255	F2-3	255	F2-3	-	-
16	210	F1	255	F2-3	255	F2-3	255	F2-3	-	-
18	255	G1	255	G1	255	G1	-	-	-	-
20	255	G1	255	G1	-	-	-	-	-	-

**SERIES 91 - SINGLE ACTING - AIR TO OPEN - SPRING TO CLOSE**

1	832	AA3	832	AA3	832	AA3	832	AA3	832	AA3
1 ½	832	AA3	832	AA3	832	AA3	832	AA3	832	AA3
2	922	A1	922	A1	922	A1	922	A1	922	A1
2 ½	1182	A3	1182	A3	1182	A3	1182	A3	1182	A3
3	1182	A3	1182	A3	1182	A3	1182	A3	1183	A3
4	1182	B3	1183	B3	1602	B4-1	1602	B4-1	1602	B4-1
5	1272	C3	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1
6	1602	C2-1	1603	C2-1	1603	C2-1	1603	C2-1	1603	C2-1
8	1603	D3	2102	D4	2103	D4	2103	D4	2103	D4
10	2102	E2	2103	E2	2552	*	2552	*	2552	*
12	2103	E2	2552	*	2553	*	2553	*	2553	*
14	2552	F2-3	2553	F2-3	-	-	-	-	-	-
16	2553	F2-3	-	-	-	-	-	-	-	-
18	2553	G1	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-

**SERIES 91 - SINGLE ACTING - AIR TO CLOSE - SPRING TO OPEN**

1	832	AA3	832	AA3	832	AA3	832	AA3	832	AA3
1 ½	832	AA3	832	AA3	832	AA3	832	AA3	832	AA3
2	832	A1	832	A1	832	A1	922	A1	922	A1
2 ½	1182	A3	1182	A3	1182	A3	1182	A3	1182	A3
3	1182	A3	1182	A3	1182	A3	1182	A3	1182	A3
4	1182	B3	1602	B4-1	1602	B4-1	1602	B4-1	1602	B4-1
5	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1
6	1602	C2-1	1602	C2-1	1602	C2-1	2102	*	2102	*
8	2102	D4	2102	D4	2102	D4	2102	D4	2102	D4
10	2102	E2	2552	*	2552	*	2552	*	2552	*
12	2552	*	2552	*	2552	*	2552	*	2552	*
14	2552	F2-3	2552	F2-3	-	-	-	-	-	-
16	2552	F2-3	-	-	-	-	-	-	-	-
18	2552	G1	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-

**NOTES:**

- Series 20, 21, 30, 31 & 34 Resilient seated butterfly valves. Maximum working pressure 2"-12" = 175 PSI; 14"-20" = 150 PSI
- Selection based on Class A seating/unseating torques at various pressure differentials across disc in closed position.
- For dynamic torque considerations, see Technical Bulletin 1002.
- 4 \* = Consult Factory

**60 PSIG AIR SUPPLY  
CLASS C TORQUE (2)**

**SERIES 90 - DOUBLE ACTING - AIR TO OPEN - AIR TO CLOSE**

Valve Size (In.)	Reduced Dia. Disc 50 PSI Rated		Standard Valve (1)							
	Δ P=50 PSI		Δ P=50 PSI		Δ P=100 PSI		Δ P=150 PSI		Δ P=175 PSI	
	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code
1	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
1 ½	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
2	63	A0	63	A0	63	A0	63	A0	63	A0
2 ½	83	A1	83	A1	83	A1	83	A1	83	A1
3	83	A1	83	A1	83	A1	83	A1	83	A1
4	83	B1	83	B1	83	B1	92	B1	92	B1
5	83	C0	118	C3	118	C3	118	C3	118	C3
6	92	C0	118	C3	118	C3	118	C3	118	C3
8	118	D3	127	D3	127	D3	160	D3	160	D3
10	127	E0	160	E0	160	E0	160	E0	160	E0
12	160	E0	210	E2	210	E2	210	E2	210	E2
14	160	F0	210	F1	210	F1	210	F1	-	-
16	210	F1	210	F1	255	F2-3	255	F2-3	-	-
18	210	G0	255	G1	255	G1	255	G1	-	-
20	210	G0	255	G1	255	G1	255	G1	-	-

**SERIES 91 - SINGLE ACTING - AIR TO OPEN - SPRING TO CLOSE**

1	634	AA2	634	AA2	634	AA2	634	AA2	634	AA2
1 ½	832	AA3	832	AA3	832	AA3	832	AA3	832	AA3
2	833	A1	833	A1	833	A1	833	A1	833	A1
2 ½	834	A1	834	A1	923	A1	923	A1	923	A1
3	924	A1	924	A1	924	A1	924	A1	1183	A3
4	924	B1	1183	B3	1183	B3	1184	B3	1184	B3
5	1183	C3	1273	C3	1274	C3	1274	C3	1274	C3
6	1184	C3	1274	C3	1603	C2-1	1603	C2-1	1603	C2-1
8	1603	D3	1605	D3	2103	D4	2103	D4	2103	D4
10	1605	E0	2103	E2	2104	E2	2104	E2	2104	E2
12	2103	E2	2552	*	2553	*	2553	*	2553	*
14	2552	F2-3	2553	F2-3	2554	F2-3	2554	F2-3	-	-
16	2553	F2-3	2554	F2-3	2555	F2-3	-	-	-	-
18	2553	G1	2555	G1	-	-	-	-	-	-
20	2554	G1	-	-	-	-	-	-	-	-

**SERIES 91 - SINGLE ACTING - AIR TO CLOSE - SPRING TO OPEN**

1	633	A22	633	AA2	633	AA2	633	AA2	633	AA2
1 ½	832	AA3	832	AA3	832	AA3	832	AA3	832	AA3
2	832	A1	832	A1	832	A1	832	A1	832	A1
2 ½	833	A1	833	A1	833	A1	923	A1	923	A1
3	923	A1	923	A1	923	A1	1182	A3	1182	A3
4	923	B1	1182	B3	1182	B3	1182	B3	1182	B3
5	1182	C3	1272	C3	1272	C3	1272	C3	1272	C3
6	1183	C3	1602	C2-1	1602	C2-1	1602	C2-1	1602	C2-1
8	1602	D3	2102	D4	2102	D4	2102	D4	2102	D4
10	2102	E2	2102	E2	2102	E2	2103	E2	2103	E2
12	2102	E2	2552	*	2552	*	2552	*	2552	*
14	2552	F2-3	2552	F2-3	2552	F2-3	2553	F2-3	-	-
16	2552	F2-3	2553	F2-3	2553	F2-3	-	-	-	-
18	2552	G1	2553	G1	-	-	-	-	-	-
20	2553	G1	-	-	-	-	-	-	-	-

**NOTES:**

- Series 20, 21, 30, 31 & 34 Resilient seated butterfly valves. Maximum working pressure 2"-12" = 175 PSI; 14"-20" = 150 PSI
- Selection based on Class A seating/unseating torques at various pressure differentials across disc in closed position.
- For dynamic torque considerations, see Technical Bulletin 1002.
- 4 \* = Consult Factory

**80 PSIG AIR SUPPLY  
CLASS C TORQUE (2)**

**SERIES 90 - DOUBLE ACTING - AIR TO OPEN - AIR TO CLOSE**

Valve Size (In.)	Reduced Dia. Disc 50 PSI Rated		Standard Valve (1)							
	Δ P=50 PSI		Δ P=50 PSI		Δ P=100 PSI		Δ P=150 PSI		Δ P=175 PSI	
	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code
1	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
1 ½	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
2	63	A0	63	A0	63	A0	63	A0	63	A0
2 ½	63	A0	63	A0	63	A0	63	A0	63	A0
3	83	A1	83	A1	83	A1	83	A1	83	A1
4	83	B1	83	B1	83	B1	83	B1	83	B1
5	83	C0	92	C0	92	C0	92	C0	92	C0
6	83	C0	92	C0	118	C3	118	C3	118	C3
8	118	D3	118	D3	118	D3	127	D3	127	D3
10	118	E0	127	E0	160	E0	160	E0	160	E0
12	127	E0	160	E0	160	E0	160	E0	160	E0
14	160	F0	210	F1	210	F1	210	F1	-	-
16	160	F0	210	F1	210	F1	210	F1	-	-
18	210	G0	210	G0	255	G1	255	G1	-	-
20	210	G0	255	G1	255	G1	255	G1	-	-

**SERIES 91 - SINGLE ACTING - AIR TO OPEN - SPRING TO CLOSE**

1	634	AA2	634	AA2	634	AA2	634	AA2	634	AA2
1 ½	635	AA2	635	AA2	635	AA2	635	AA2	832	AA3
2	833	A1	833	A1	833	A1	833	A1	833	A1
2 ½	834	A1	834	A1	835	A1	835	A1	835	A1
3	836	A1	836	A1	836	A1	924	A1	925	A1
4	836	B1	1183	B3	1183	B3	1184	B3	1184	B3
5	1183	C3	1185	C3	1185	C3	1185	C3	1186	C3
6	1184	C3	1186	C3	1275	C3	1275	C3	1275	C3
8	1275	D3	1605	D3	1605	D3	1606	D3	1606	D3
10	1605	E0	2103	E2	2104	E2	2104	E2	2104	E2
12	2103	E2	2105	E2	2105	E2	2106	E2	2106	E2
14	2105	F1	2553	F2-3	2554	F2-3	2554	F2-3	-	-
16	2106	F1	2554	F2-3	2555	F2-3	2555	F2-3	-	-
18	2553	G1	2555	G1	2556	G1	-	-	-	-
20	2554	G1	2556	G1	-	-	-	-	-	-

**SERIES 91 - SINGLE ACTING - AIR TO CLOSE - SPRING TO OPEN**

1	633	AA2	633	AA2	633	AA2	633	AA2	633	AA2
1 ½	634	AA2	634	AA2	634	AA2	634	AA2	634	AA2
2	832	A1	832	A1	832	A1	832	A1	832	A1
2 ½	833	A1	833	A1	833	A1	833	A1	833	A1
3	834	A1	834	A1	834	A1	923	A1	923	A1
4	834	B1	1182	B3	1182	B3	1182	B3	1182	B3
5	1182	C3	1183	C3	1183	C3	1184	C3	1184	C3
6	1183	C3	1184	C3	1273	C3	1273	C3	1273	C3
8	1273	D3	1603	D3	1603	D3	1603	D3	1603	D3
10	1603	E0	2102	E2	2102	E2	2103	E2	2103	E2
12	2102	E2	2103	E2	2103	E2	2552	*	2552	*
14	2103	F1	2552	F2-3	2552	F2-3	2553	F2-3	-	-
16	2552	F2-3	2553	F2-3	2553	F2-3	2554	F2-3	-	-
18	2552	G1	2553	G1	2554	G1	-	-	-	-
20	2553	G1	2554	G1	-	-	-	-	-	-

**NOTES:**

1. Series 20, 21, 30, 31 & 34 Resilient seated butterfly valves. Maximum working pressure 2"-12" = 175 PSI; 14"-20" = 150 PSI
2. Selection based on Class A seating/unseating torques at various pressure differentials across disc in closed position.
3. For dynamic torque considerations, see Technical Bulletin 1002.
4. 4 \* = Consult Factory

**100 PSIG AIR SUPPLY  
CLASS C TORQUE (2)**

**SERIES 90 - DOUBLE ACTING - AIR TO OPEN - AIR TO CLOSE**

Valve Size (In.)	Reduced Dia. Disc 50 PSI Rated		Standard Valve (1)							
	Δ P=50 PSI		Δ P=50 PSI		Δ P=100 PSI		Δ P=150 PSI		Δ P=175 PSI	
	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code	Actuator Size	Adapter Code
1	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
1 ½	63	AA2	63	AA2	63	AA2	63	AA2	63	AA2
2	63	A0	63	A0	63	A0	63	A0	63	A0
2 ½	63	A0	63	A0	63	A0	63	A0	63	A0
3	63	A0	63	A0	63	A0	63	A0	83	A1
4	83	B1	83	B1	83	B1	83	B1	83	B1
5	83	C0	83	C0	83	C0	92	C0	92	C0
6	83	C0	92	C0	92	C0	92	C0	92	C0
8	118	D3	118	D3	118	D3	118	D3	118	D3
10	118	E0	127	E0	127	E0	127	E0	160	E0
12	127	E0	160	E0	160	E0	160	E0	160	E0
14	160	F0	160	F0	160	F0	210	F1	-	-
16	160	F0	210	F1	210	F1	210	F1	-	-
18	210	G0	210	G0	210	G0	210	G0	-	-
20	210	G0	210	G0	255	G1	255	G1	-	-

**SERIES 91 - SINGLE ACTING - AIR TO OPEN - SPRING TO CLOSE**

1	634	AA2	634	AA2	634	AA2	634	AA2	634	AA2
1 ½	635	AA2	635	AA2	635	AA2	635	AA2	636	AA2
2	636	A0	636	A0	833	A1	833	A1	833	A1
2 ½	834	A1	834	A1	835	A1	835	A1	835	A1
3	836	A1	836	A1	836	A1	924	A1	925	A1
4	836	B1	926	B1	926	B1	1184	B3	1184	B3
5	926	C0	1185	C3	1185	C3	1185	C3	1186	C3
6	1184	C3	1186	C3	1186	C3	1275	C3	1275	C3
8	1275	D3	1605	D3	1605	D3	1606	D3	1606	D3
10	1605	E0	2103	E2	2104	E2	2104	E2	2104	E2
12	2103	E2	2105	E2	2105	E2	2106	E2	2106	E2
14	2105	F1	2553	F2-3	2554	F2-3	2554	F2-3	-	-
16	2106	F1	2554	F2-3	2555	F2-3	2555	F2-3	-	-
18	2553	G1	2555	G1	2556	G1	-	-	-	-
20	2554	G1	2556	G1	-	-	-	-	-	-

**SERIES 91 - SINGLE ACTING - AIR TO CLOSE - SPRING TO OPEN**

1	633	AA2	633	AA2	633	AA2	633	AA2	633	AA2
1 ½	634	AA2	634	AA2	634	AA2	634	AA2	634	AA2
2	635	A0	635	A0	635	A0	635	A0	635	A0
2 ½	833	A1	833	A1	833	A1	833	A1	833	A1
3	834	A1	834	A1	834	A1	835	A1	835	A1
4	834	B1	924	B1	925	B1	925	B1	925	B1
5	924	C0	1183	C3	1183	C3	1184	C3	1184	C3
6	1183	C3	1184	C3	1184	C3	1185	C3	1185	C3
8	1185	D3	1603	D3	1603	D3	1603	D3	1603	D3
10	1603	E0	1604	E0	1605	E0	2103	E2	2103	E2
12	1604	E0	2103	E2	2103	E2	2104	E2	2104	E2
14	2103	F1	2104	F1	2552	F2-3	2553	F2-3	-	-
16	2104	F1	2553	F2-3	2553	F2-3	2554	F2-3	-	-
18	2105	G0	2553	G1	2554	G1	2554	G1	-	-
20	2553	G0	2554	G1	2555	G1	-	-	-	-

**NOTES:**

1. Series 20, 21, 30, 31 & 34 Resilient seated butterfly valves. Maximum working pressure 2"-12" = 175 PSI; 14"-20" = 150 PSI
2. Selection based on Class A seating/unseating torques at various pressure differentials across disc in closed position.
3. For dynamic torque considerations, see Technical Bulletin 1002.
4. 4 \* = Consult Factory