DHC BUTTERFLY VALVE

<CWL>

<CWG>

<CWC>

<CFL>

<CLL>

<CLG>

<CWP>

<CWE>

<CLG>

Specifications

- **Standard** according to ISO 5752 - BS 5155 - MSS SP 67 - API 609
- **Production range** 40mm up to 1200mm ($1^1/_2$" X 48")
- **Pressure range** designed for maximum working pressure of 16bar (240Psi)
- **Flange connections** DHC Butterfly valves are designed to fit without gaskets between flanges drilled to as below

ISO PN 6, 10, 16, 20	MSS SP 44 CL. 150
ANSI B 16.1 CL.	ANSI B 16.5 CL. 150
BS 4504 PN6, PN10, PN16	BS 10 Table D and E
AS 2129 Table D and E	JIS B 2210 5K, 10K, 16K and 20K

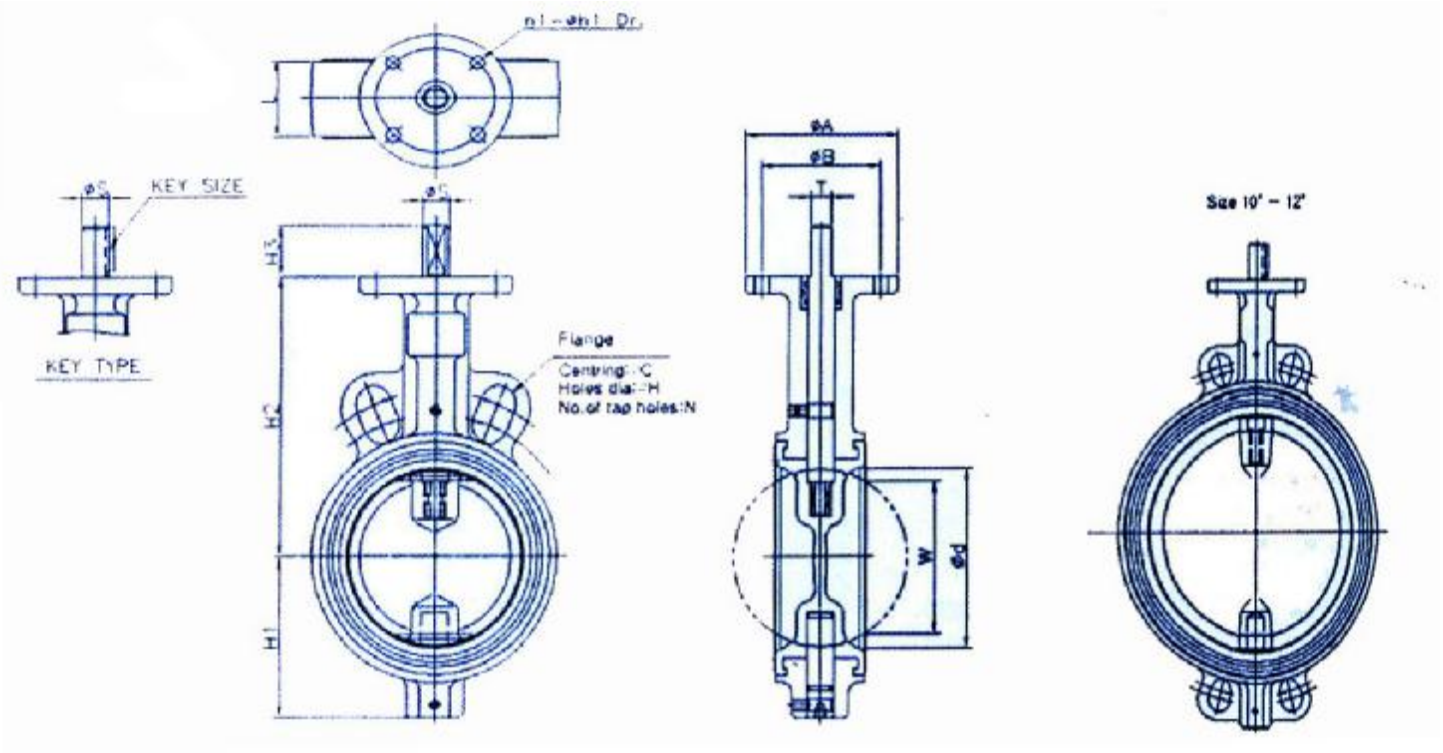
- **Face to face dimensions** in accordance with ISO 5752, BS 5155, MSS SP 67 and API 609
- **Actuator connection** valves can be fitted with any 1/4 turn actuator equipped with a mounting plate meeting the standard ISO 5211
- **Test Inspection** DHC valves are guaranteed to seal perfectly (no visible leakage) in both flow direction. The test conforms to API 598
  - **Body test :** 1.5 times the maximum working pressure with water. The test is performed on the assembled valve with the disc in half open position.
  - **Seat and shaft seal test :** 1.1 times the maximum working pressure. The shaft seal test and inspection is conducted simultaneously with seat test.

Standard materials

1	Body	• Cast iron	ASTM A 126 Cl.B, DIN 1619 - GG 25
		• Ductile iron	ASTM A 536 Gr 65-45-12, DIN 1693 - GGG 40
		• Carbon steel	ASTM A 216 WCB
		• Stainless steel	ASTM A 351 Gr CF8, CF8M
		• Bronze	ASTM B 62
2	Disc	• Ductile iron	ASTM A 536 Gr 65-45-12, GGG - 40
		• Stainless steel	ASTM A 351 Gr CF8, CF8M
		• Aluminum bronze	ASTM B 148 Cl. C95500. AL-BC 2
		• Coated	EPDM, Viton, Buna-N, etc
3	Stem	• Stainless steel	ASTM A 276 410, 304, 316
		• K-Monel	ASTM B 164
4	Seat	Elastomer	Working temperature
		• EPDM	- 15°C ~ +110°C
		• NBR	- 10°C ~ + 80°C
		• Viton	- 20°C ~ +150°C
		• Silicon	- 20°C ~ +140°C
		• Neoprene	- 10°C ~ + 90°C
5	O-Ring	• EPDM	
		• NBR	
		• Viton	
6	Stop Bolt	• SS 400 + O-RING + SS 304	

* Valve discs in ductile iron and carbon steel are nickel plated
* Self-locking feature, thread into the far side of the disc, and use an O-ring under the head for

Valve Dimensions



size		Φd	L	H1	H2	H3	W	Stem		Top Flange			KEY SIZE	Weight (kg)
inch	mm							ΦS	T	ΦA	B	n1 - Φh1		
2"	50	50	43	61	128	33	28	14	9.8	90	70	4 - 10	5 x 5	3.2
2.5"	65	67	46	73	139	33	51	14	9.8	90	70	4 - 10	5 x 5	4.1
3"	80	79	46	80	150	33	67	14	9.8	90	70	4 - 10	5 x 5	4.5
4"	100	101	52	93	164	33	89	16	11.8	90	70	4 - 10	5 x 5	5.8
5"	125	124	56	113	176	33	113	18	12.8	90	70	4 - 10	6 x 6	7.8
6"	150	147	56	126	190	33	139	18	12.8	90	70	4 - 10	6 x 6	9.5
8"	200	197	60	157	230	40	191	22	-	125	102	4 - 12	8 x 7	17.0
10"	250	248	68	205	270	40	242	22	-	125	102	4 - 12	8 x 7	24.0
12"	300	297	78	240	305	40	290	28	-	125	102	4 - 12	8 x 7	40.0
14"	350	332	78	267	335	50	327	32	-	150	125	4 - 15	10 x 8	55
16"	400	376	102	303	370	60	366	38	-	175	140	4 - 18	12 x 8	84
18"	450	430	114	325	390	60	419	38	-	175	140	4 - 18	12 x 8	97
20"	500	488	127	360	430	75	475	45	-	210	165	4 - 22	14 x 9	142
24"	600	568	154	445	495	80	551	55	-	210	165	4 - 22	16 x 10	195
28"	700	692	165	510	560	100	675	65	-	210	165	4-22	20 x 12	260
32"	800	793	190	585	635	100	773	65	-	300	254	8-18	20 x 12	350
36"	900	861	203	645	685	110	841	75	-	300	254	8-18	22 x 14	470
40"	1000	961	216	705	750	120	940	85	-	300	254	8-15	25 x 14	600
48"	1200	1156	254	820	870	150	1130	105	-	350	298	8-23	28 x 16	910