



Performance Properties	
Nominal Pressure: Class 150 Lb	
Shell Test Pressure	3.0
Seal Test Pressure	2.0 Mpa
Airtight Test Pressure	0.6
Suitable Temperature: -29~+425°C	

- Technical Requirements:
- Design & manufacture: API 609.
 - Inspection & testing: API 598.
 - Face to face dimensions: ANSI B16.10.
 - Flange ends dimensions: ANSI B16.5.
 - Pressure-Temp ratings: ASME B16.34.
 - Valve marking: MSS-SP-25.

Part Name & Material List

Item	Part Name	Material
1	Bottom Cover	ASTM A216 WCB
2	Hexagon Bolt	ASTM A193 B7
3	Seal Gasket	Soft Graphite
4	Down Bearing Bushing	Self Lubricating Part
5	Body	A216 WCB + 13Cr Overlay
6	Seal Ring	SS304+Graphite
7	Disc Cover	ASTM A105
8	Hexagon Bolt	ASTM A193 B7
9	Disc	ASTM A216 WCB
10	Stem	ASTM A276 420
11	Pin	ASTM A276 420
12	Up Bearing Bushing	Self Lubricating Part
13	Packing	Soft Graphite
14	Packing Gland	ASTM A216 WCB
15	Hexagon Nuts	ASTM A194 2H
16	Spring Gasket	ASTM 1065
17	Studs	ASTM A193 B7
18	Support	ASTM A216 WCB
19	Hexagon Nuts	ASTM A194 2H
20	Spring Gasket	AISI 1065
21	Studs	ASTM A193 B7

Main Dimension

DN	L	ØD0	ØD1	ØD2	Z-Ø	4-M	b	H1	H2	H	W	W1(Kg)	L1(NM)	Top Flange
4"(DN100)	127	230	190.5	157.2	8-Ø19	4-M	24.3	202	115	25	22	27	200	ISO5211-F07
6"(DN150)	140	280	241.3	215.9	8-Ø22		26	270	147	30	27	43	400	ISO5211-F10
8"(DN200)	152	345	298.5	269.9	8-Ø22		29	305	185	45	36	70	900	ISO5211-F12
10"(DN250)	165	405	362	323.8	8-Ø25		44	356	215	45	36	90	1500	ISO5211-F14
12"(DN300)	178	485	431.8	381	8-Ø25		44	395	252	50	46	130	2500	ISO5211-F14
14"(DN350)	190	535	476.3	412.8	8-Ø25		44	384	297	50	46	180	3500	ISO5211-F16
16"(DN400)	216	595	539.8	469.9	12-Ø28		41	37	490	60	60	220	4000	ISO5211-F25
18"(DN450)	222	635	577.9	533.4	12-Ø32		41	40.1	507	60	60	290	5000	ISO5211-F25
20"(DN500)	229	700	635	584.2	16-Ø32		41	43.3	535	60	60	340	6000	ISO5211-F25
24"(DN600)	267	815	749.3	692.2	16-Ø35		41	48.1	605	60	60	480	12000	ISO5211-F25

DATE		DATE		DATE	
MARK		MARK		MARK	
PLACES		PLACES		PLACES	
DEPARTMENT		DEPARTMENT		DEPARTMENT	
DOC. NO.		DOC. NO.		DOC. NO.	
SIGN		SIGN		SIGN	
DATE		DATE		DATE	
DRAWN BY		CHECKED BY		APPROVED BY	
QUOTATION No.	ZWVZ012.00.00	CONTRACT No.		S/CD012.00.00	

Product Name
API 609 TRIPLE OFFSET BUTTERFLY VALVE

Drawing No.
4***24/D43H150LB-00

REV.001
SHEET 1
SCALE:

WELCO Valve Co
Add: Sinqiao Industrial Zone, Qubei, Yongjiu, Zhejiang, China

TITLE
General Assembly Drawing
150# RF CC A216 WCB BODY WCB/13CR DISC METAL SEAT