



Performance Properties	
Nominal Pressure: Class 150 Lb	
Shell Test Pressure	3.0
Seal Test Pressure	2.0
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	ØD1	ØD2	N-M	H1	H2	H	W	W(K9)	T(KM)	Top Flange
4"(DN100)	54	190.5	157.2	8- $\frac{1}{2}$ "	202	115	28	22	16	200	ISO211-F07
6"(DN150)	57	241.3	215.9	8- $\frac{3}{4}$ "	270	147	30	27	34	400	ISO211-F10
8"(DN200)	64	298.5	269.9	8- $\frac{3}{4}$ "	305	185	45	36	44	900	ISO211-F12
10"(DN250)	71	362	323.8	12- $\frac{1}{4}$ "	355	215	45	36	66	1500	ISO211-F14
12"(DN300)	81	431.8	381	12- $\frac{1}{4}$ "	395	252	50	46	105	2500	ISO211-F14
14"(DN350)	92	476.3	422.8	12- $\frac{1}{4}$ "	445	287	50	46	140	3500	ISO211-F16
16"(DN400)	102	539.8	489.9	16- $\frac{1}{4}$ "	490	317	50	46	170	4000	ISO211-F25
18"(DN450)	114	577.9	533.4	16- $\frac{1}{4}$ "	507	342	60	60	225	5000	ISO211-F25
20"(DN500)	127	635	584.2	20- $\frac{1}{4}$ "	635	372	60	60	260	6000	ISO211-F25
24"(DN600)	154	749.3	692.2	20- $\frac{1}{4}$ "	605	439	60	60	367	12000	ISO211-F25

Mark: _____

Sign: _____

Date: _____

Department: _____

Doc. Ref.: _____

Sign: _____

Date: _____

Drawn By: _____

Checked By: _____

Approved By: _____

Quotation No.: ZWZ022.00.00

Contract No.: _____

Scale: 5/C002.00.00

WELCO **Welco Valve Co**

Add: Sinqiao Industrial Zone, Qubei, Yongjiu, Zhenjiang, China

TITLE General Assembly Drawing

150# LUG CS A216 WCB BODY WCB/13CR DISC METAL SEAT

Product Name API 609 TRIPLE OFFSET BUTTERFLY VALVE

Drawing No. 4***24*U43H150LB-00

REV.001 SHEET 1