

DAYO VALVES

DAYO VALVES COMPANY LTD. -JAPAN

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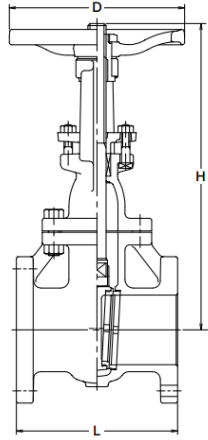
DAYO VALVES COMPANY LTD. - JAPAN

Gate Valves

CLASS 125 / 200 W.O.G. Rising Stem (OS&Y) Flange Type

Hydrostatic Pressure : 125 psi (Non-Shock)

Shell Test: 300psi Seat Test: 200psi



PARTS	MATERIAL	ASTM SPECIFICATIONS
Body	Cast Iron	A126 CL. B
Bonnet	Cast Iron	A126 CL. B
Stem	Brass	A276 TYPE403
Disc	Cast Iron	B62
Seat Ring	Bronze	B62
Gland	Ductile Iron	
Packing	Non-Asbestos	
Gasket	Non-Asbestos	
Gland B&N	Carbon Steel	
Bonnet B&N	Carbon Steel	
Yoke Sleeve	Bronze	
Handwheel	Ductile Iron	

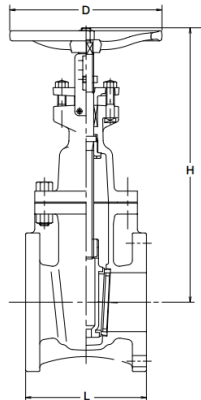
DIMENSION:

SIZE	1 ½" (40)	2" (50)	2 ½" (65)	3" (80)	4" (100)	5" (125)	6" (150)	8" (200)	10" (250)	12" (300)	14" (350)
L	165	178	190	200	228	250	267	292	330	354	383
H	240	267	280	300	405	460	560	705	880	1100	1270
D	127	152	178	190	229	254	279	343	406	483	533

CLASS 125 / 200 W.O.G. Non-Rising Stem NRS Flange Type

Hydrostatic Pressure : 125 psi (Non-Shock)

Shell Test: 300psi Seat Test: 200psi



PARTS	MATERIAL	ASTM SPECIFICATIONS
Body	Cast Iron	A126 CL. B
Bonnet	Cast Iron	A126 CL. B
Stem	Brass	A276 TYPE403
Disc	Cast Iron	B62
Seat Ring	Bronze	B62
Gland	Ductile Iron	
Packing	Non-Asbestos	
Gasket	Non-Asbestos	
Gland B&N	Carbon Steel	
Yoke Sleeve	Bronze	
Handwheel	Ductile Iron	

DIMENSIONS

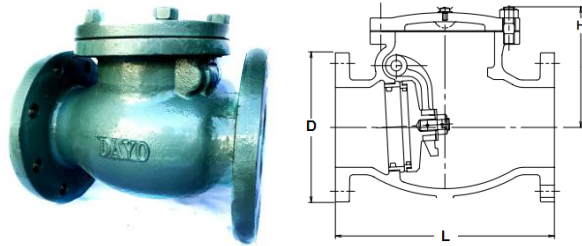
SIZE	1 ½" (40)	2" (50)	2 ½" (65)	3" (80)	4" (100)	5" (125)	6" (150)	8" (200)	10" (250)	12" (300)	14" (350)
L	165	178	190	200	228	250	267	292	330	354	383
H	220	252	270	290	365	420	455	575	686	782	910
D	127	152	178	190	229	254	279	343	406	483	533

CLASS 125 / 200 W.O.G.

Flange Type

Hydrostatic Pressure : 125 psi (Non-Shock)

Shell Test: 300psi Seat Test: 200psi



PARTS	MATERIAL	ASTM SPECIFICATIONS
Body	Cast Iron	A126 CL. B
Cover	Cast Iron	A126 CL. B
Hinge Pin	Stainless Steel	A276 TYPE403
Disc	Cast Iron	A126 CL. B
Seat Ring	Bronze	B62
Body Seat Ring	Bronze	B62
Arm	Non-Asbestos	
Gasket	Non-Asbestos	
Gland B&N	Carbon Steel	
Cover B&N	Carbon Steel	

DIMENSION:

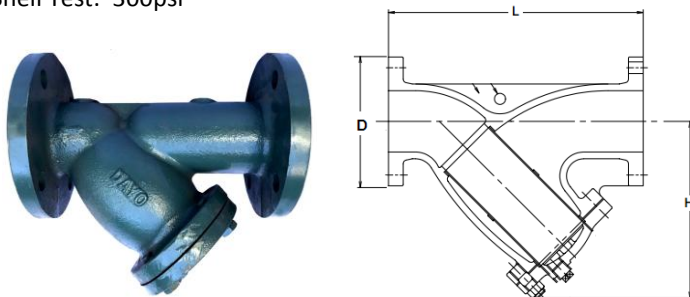
SIZE	1 ½" (40)	2" (50)	2 ½" (65)	3" (80)	4" (100)	5" (125)	6" (150)	8" (200)	10" (250)	12" (300)
L	203	203	216	241	292	330	356	496	622	699
H	108	108	124	137	159	183	203	246	283	333
D	127	152	178	190	229	254	279	343	406	483

CLASS 125 / 200 W.O.G.

Flange Type

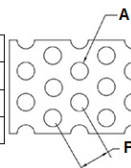
Hydrostatic Pressure : 125 psi (Non-Shock)

Shell Test: 300psi



PARTS	MATERIAL	ASTM SPECIFICATIONS
Body	Cast Iron	A126 CL. B
Cover	Cast Iron	A126 CL. B
Screen	Stainless Steel	A-167
Stud Bolt	Steel	A-284
Nut	Steel	A-284
Drain Plug	Malleable Iron	A-197
Gasket	Non-Asbestos	

VALVE	A	P
2" - 5"	1.5	2.5
6" & 8"	3.0	5.0
10" up	5.0	7.0



DIMENSIONS

SIZE	2" (50)	2 ½" (65)	3" (80)	4" (100)	5" (125)	6" (150)	8" (200)	10" (250)	12" (300)
L	220	270	290	350	390	440	540	660	780
D	152	178	190	229	254	279	343	406	483
H	157	194	210	256	318	364	441	530	599

DAYO VALVES

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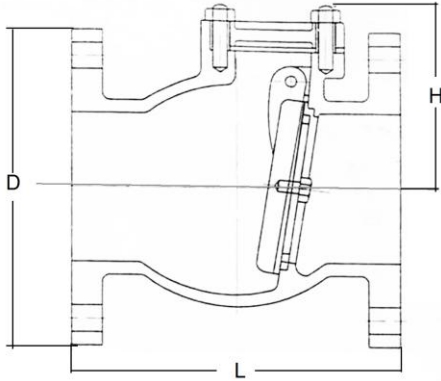
Swing Check Valve Ductile Iron Body Rubber Seal

Class 125 / 200 w.o.g.

Flange Type

Cast Iron Swing Check Valve
Bolted Cover Rubber Disc

conform to ANSI B16.1
ASTM A126 Cl. B
ANSI Cl. 125psi / 150 200w.o.g.



Primary Service Pressure (psi) Non-Shock	Hydrostatic Test Pressure	
	Shell	Seat
125	300	200

Parts	Materials
Body	Ductile Iron
Disc	Ductile Iron
Cover	Ductile Iron
Disc Seal	BUNA-N / NBR
Seat Ring	Cast Bronze
Plug	Carbon Steel
Pin	Brass

DIMENSIONS:

SIZE in.	2"	2 1/2"	3"	4"	5"	6"	8"	10"
mm	50	65	80	100	125	150	200	250
L	150	162	173	221	246	295	368	413
H	83	90	95	122	139	154	212	250
D	152	178	190	229	254	279	343	406

OS & Y GATE VALVE

RESILIENT SEATED

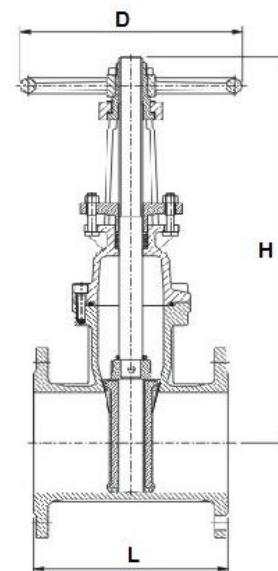
Specifications Class 125 / 200 wog

- Valves comply with AWWA C515.
- Resilient Sealing.
- Outside screw.
- Superior stem graphite packing.
- Packing replaceable under pressure.
- Available with handwheel or gearbox (bevel or spur gearbox).
- Available with flanges EN1092-2 PN10 or PN16, ANSI B16.1 Class125 (Other types available on request).
- Face to face length in accordance with EN558-1 basic series 3, ASME B16.10.



Material Specifications

Part Name	Materials	EN Spec.	ASTM Spec.
Body	Ductile Iron	EN-JS1050	ASTM A536 65-45-12
Bonnet	Ductile Iron	EN-JS1050	ASTM A536 65-45-12
Wedge	DI with EPDM Coated	EN-JS1050	ASTM A536 65-45-12
Stem	Stainless Steel	BS970 420S37	AISI 420
Gasket	EPDM	Commercial	Commercial
Wedge Nut	Stainless Steel	BS970 304S15	AISI 304
Bonnet Bolts	Carbon Steel	Commercial	Commercial
Gland	Ductile Iron	EN-JS1050	ASTM A536 65-45-12
Gland Bolts	Stainless Steel	BS970 304S15	AISI 304
Yoke Nut	Bronze	EN1982 CC491K	B62 C83600
Handwheel	Ductile Iron	EN-JS1050	ASTM A536 65-45-12
Handwheel Nut	Ductile Iron	EN-JS1050	ASTM A536 65-45-12



Size	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500	DN600
L	178	190.5	203	229	254	267	292	330	356	381	406	432	457	508
H (Open)	385	415	480	550	655	740	930	1130	1320	1574	1786	2020	2276	2600
H (Close)	320	350	400	450	530	590	730	880	1020	1224	1386	1570	1776	2000
D	184	184	254	254	305	305	356	445	445	445	535	610	610	762

NON-RISING GATE VALVE

RESILIENT SEATED

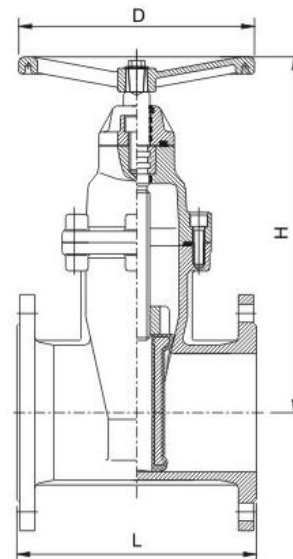
Specifications Class 125 / 200 wog

- Valves comply with EN1171-2002, MSS SP-70.
- Resilient Sealing.
- Inside screw.
- Superior stem packing with three O-rings, one primary O-ring seal, and dust seal.
- Packing replaceable under pressure.
- High Strength Thrust collar.
- Available with handwheel or gearbox (bevel gearbox or spur gearbox).
- Available with flanges EN1092-2 PN10 or PN16, ANSI B16.1 Class 125 (Other types available on request)
- Face to face length in accordance with EN558-1 basic series 3, ASME B16.10-2000, DIN3202-F4 and F5.
- WRAS approved:
Fig. 3243W DN50-DN600.
DI body, DI wedge encapsulated with porable water EPDM



Material Specifications

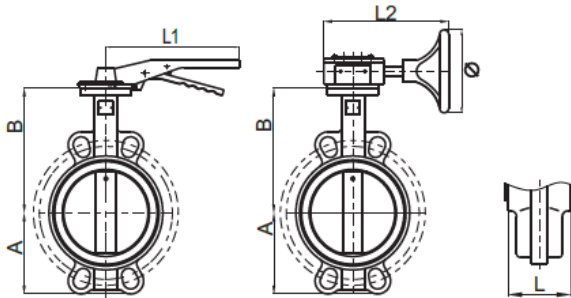
Part Name	Materials	EN Spec.	ASTM Spec.
Body	Ductile Iron	EN-JS1050	ASTM A536 65-45-12
Bonnet	Ductile Iron	EN-JS1050	ASTM A536 65-45-12
Wedge	DI with EPDM Coated	EN-JS1050	ASTM A536 65-45-12
Thrust Collar	Brass	2874 CZ 124	B16 C36000
Stem Nut	Brass	2874 CZ 124	B16 C36000
Stem	Stainless Steel	BS970 420S37	AISI 420
O-Ring	EPDM	Commercial	Commercial
Gasket	EPDM	Commercial	Commercial
Gland	Ductile Iron	EN-JS1050	ASTM A536 65-45-12
Wrench Nut	Ductile Iron	EN-JS1050	ASTM A536 65-45-12
Handwheel	Ductile Iron	EN-JS1050	ASTM A536 65-45-12



Size	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	178	191	203	229	254	267	292	330	356	381	406	432	457	508
H	240	255	280	305	380	417	525	621	711	905	980	1115	1190	1340
D	175	175	255	255	305	305	355	405	405	558	558	610	610	762

Wafer Butterfly Valve

LEVER OPERATED
GEAR OPERATED



Valve Standard :

Comply with ISO 5752/BS 5155/

BS EN 593/MSS SP-67/API 609

Lever / Worm Gear Operator, Epoxy Coated

Pressure Temperature Ratings

Working pressure	16bar/25bar
Testing Pressure	Shell:24bar/37.5bar
	Seat:17.6bar/27.5bar
Working Temperature	-20°C to 110°C EPDM Seat
	-10°C to 80°C NBR Seat
Suitable Media	Water, Oil & Gas

Material Specification

Part	Material	ASTM
Body	Cast Iron	A126 Class B
	Ductile Iron	A536 65-45-12
Disc	Ductile Iron	A536 65-45-12
	Bronze	B148 C95400
	Stainless Steel 304	A351 CF-8
	Stainless steel 316	A351 CF-8M
	Stainless steel 316	A276 S 316 00
Shaft	Stainless Steel 410	A276 S 410 00
	Stainless Steel 431	A276 S 431 00
	EPDM / NBR	
Seat Ring	EPDM / NBR	
Taper Pins	Stainless Steel 304	A276 S 304 00
	Stainless Steel 316	A276 S 316 00
	Stainless Steel 410	A276 S 410 00
Key	Carbon Steel	
O-Ring	EPDM / NBR	
Bushing	PTFE	
	Bronze	B62 C83600

Dimensions

DN	mm	40	50	65	80	100	125	150	200	250	300	350	400
	inch	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16
A		68	80	89	95	114	127	139	175	203	242	267	316
B		110	161	175	181	200	213	226	260	292	337	368	400
L		33	42	45	45	51	55	55	60	67	76	76	102
L1		180	180	180	180	220	276	276	318	318	318	-	-
L2		-	212	212	212	212	212	212	305	305	300	300	423
Ø		-	145	145	145	145	145	145	285	285	285	285	385

DN	mm	450	500	550	600	650	700	750	800	900	1000	1200	-
	inch	18	20	22	24	26	28	30	32	36	40	48	-
A		334	370	433	468	484	530	565	602	661	724	869	-
B		422	480	533	562	540	626	660	666	722	806	938	-
L		114	127	151	151	172	165	167	188	203	216	276	-
L1		-	-	-	-	-	-	-	-	-	-	-	-
L2		423	490	490	490	416	532	532	483	483	600	628	-
Ø		385	385	385	385	385	425	425	425	425	425	425	-

Note: The butterfly valve can be supplied with electric or pneumatic actuator.