



GGG40 GGG50 Wras Ductile Iron Double Eccentric Butterfly Valve With PN10 PN16 PN20 PN25

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: DEYE
- Certification: ISO9001:2015 PED
- Model Number: DY-BFV-1001
- Minimum Order Quantity: 10PCS
- Price: USD2-USD20000 each
- Packaging Details: carton box+ ply wooden cases or carton+ Pallets
- Delivery Time: 20 days for usual order, 7 days for stocked items
- Payment Terms: T/T, L/C, D/P
- Supply Ability: 1000pcs one month



Product Specification

- Design Standard: API609 BS5155 AWWA C504
- Face To Face: EN558 Series 14, EN558 Series 13, ISO5752-13, ISO5752-14, AWWAC504
- Material: GGG40 GGG50 WCB STAINLESS STEEL
- Seal: Replaceable EPDM, NBR, PTFE, VITON
- Pressure: PN6, PN10, PN16, PN20, PN25, 125PSI, 150PSI, 225PSI, CL150LBS
- Test Standard: API598 EN12226-1
- Highlight: **GGG50 Double Eccentric Butterfly Valve, GGG40 Double Eccentric Butterfly Valve, PN10 eccentric butterfly valve**



More Images



Product Description

Series No. BFV-1001

Double Eccentric flanged butterfly valves, the axis of the valve stem deviates from the center of the butterfly plate and the center of the body. The effect of double eccentricity enables the butterfly plate to quickly detach from the seat after the valve is opened, which greatly eliminates unnecessary excessive squeezing and scraping between the butterfly plate and the valve seat, reduces the opening resistance, reduces wear and improve Seat life.

Quick Detail

Design standard: API 609. /BS5155

Face to face: EN558 Series 13/14, ISO5752 Series 13/14, AWWAC504

Bi-direction Seal,

Renewable seat Design

Mode of operation: Gearbox.

Test and inspection: API 598. EN1226

Product Range

Available Body Material: Ductile Iron , Carbon steel, Stainless steel, Alloy steel.

Available Body Seat Ring: SS304, SS316, STL, Duplex SS 2205/2507, Bronze

Optional Disc Seat Ring: EPDM, NBR, PTFE, Teflon, Neoprene

Optional End connection: Wafer, Lug, Flanged.

Face to face: EN558 Series 13/14, long type or short type

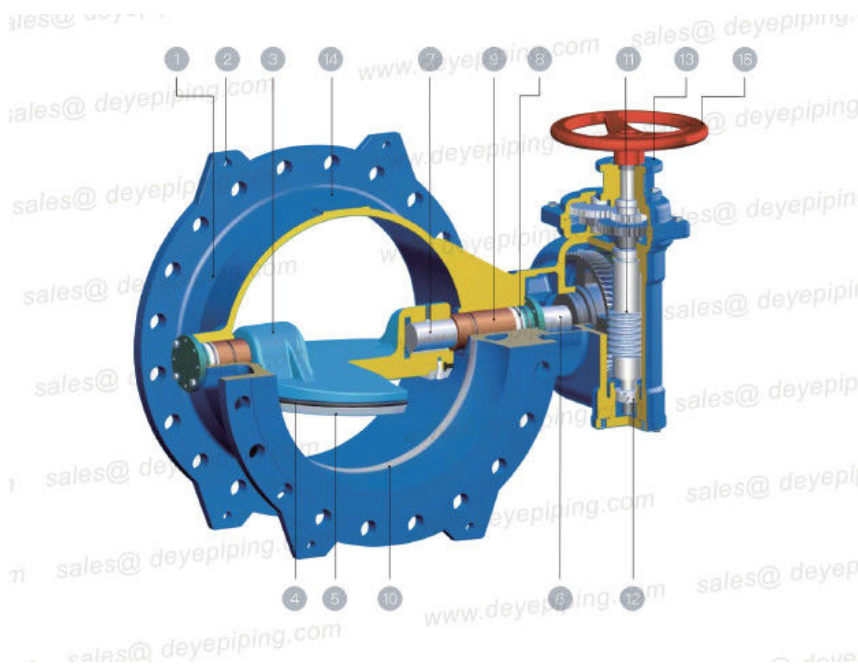
Normal diameter: 4"~96" (DN100~DN2400).

Pressure range: 150PSI/225PSI (PN10, PN16, PN25).

Available Operation: Gearbox, Electric, pneumatic actuator

Working temperature: -46 ~+200 .

Construction of Double Eccentric Butterfly valves



Design features

1. Body

Streamline design and smooth finish of the body provides minimum resistance to flow.

2. Lifting holes and feet

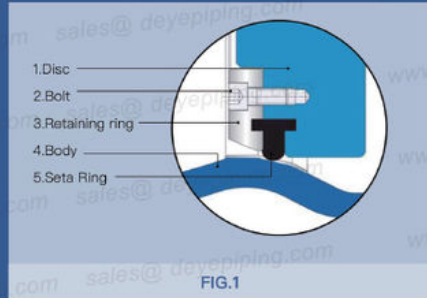
Integral lifting holes provide easy installation and feet ensure strong ground support.

3. Disc

Streamlined and low profiled disc including closed hubs ensuring higher kv values. Double offset disc design reduces seal wear and torque.

4. Sealing system

Sealing on seat face is ensured by an endless T profile resilient sealing ring which is held on the periphery of the disc by a retaining ring. In closed position the sealing ring is pressed against the conically shaped seat face of the body and provides safe sealing in either direction of flow. In opened position the sealing ring is completely unstressed due to the double eccentric disc design.



5. Retaining ring

The one piece retaining ring prevents sealing ring from rolling out. Sealing ring can be replaced easily at site without dismantling the valve disc and without requirement of any special tool.

6. Shafts

Stub shaft design provides minimal restriction to flow.

7. Shaft connection

Positive disc to shaft connection by use of key.

8. Shaft sealing

Multiple O-ring shaft sealing system ensures maintenance free sealing for life span.

9. Bearing system

Self lubricating plain bearings reduce shaft friction and operating torque. These bearings keep the shaft centralised and prevent axial movement.

10. Body seat

Stainless steel weld filled and finished integral body seat ensures a corrosion and erosion resistant seat face.

11. Worm gear operators

Are designed for easy operating of butterfly valve by only one operator.

12. Travelling nut

Bottom end of the worm shaft is threaded and a travelling nut moves up and down on this threaded spindle. When operating the gear (valve) in "open" or "close" direction, the travelling nut also moves towards the corresponding end stop and prevents the over travel of the valve disc.

13. Top flange

All butterfly valves are equipped with ISO top flanges for all types of actuator- operator connections.

14. Unique tracking number

Every valve is equipped with a cast tracking number for easy traceability and identification.

15. Handwheel

Every valve is equipped with a handwheel (standard version). In combination with the gearbox, the valve is designed for one man operation.

Other accessories for operation i.e. electric actuator or head stock on request.

Dimension List of the double offset butterfly valve

Technical Specifications

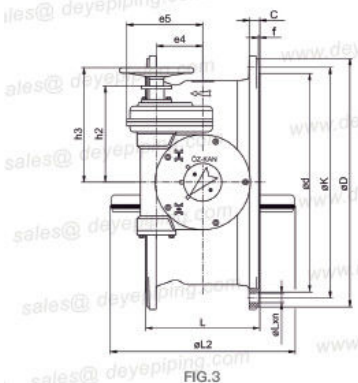


FIG.3

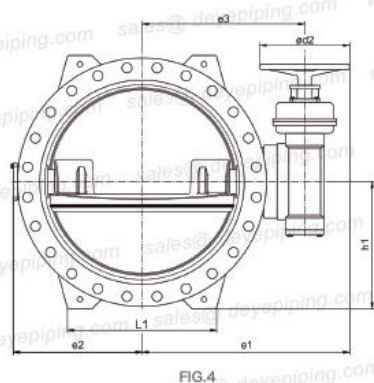


FIG.4

TABLE 2 PN10

DN	PN	L Series 14	L Series 13	L1	L2	e1	e2	e3	e4	e5	d2	h1	h2	h3	WEIGHT
150	10	210	140	-	152	378	151	255	71	134	245	143	136	212	212
200	10	230	152	180	199	405	177	282	71	134	245	180	136	212	212
250	10	250	165	220	251	481	214	352	95	158	245	213	163	239	239
300	10	270	178	280	281	503	237	380	95	158	245	242	163	239	239
350	10	290	190	320	336	595	283	410	110	175	370	264	184	271	271
375	10	310	216	335	385	626	297	441	110	175	370	293	184	271	271
400	10	310	216	335	385	626	297	441	110	175	370	293	184	271	271
450	10	330	222	380	434	670	333	485	110	198	370	320	285	372	372
500	10	350	229	400	474	701	344	516	156	245	370	345	334	420	420
600	10	390	267	440	576	749	414	564	156	245	370	400	334	420	420
700	10	430	292	540	671	838	511	653	190	313	370	460	397	484	484
750	10	450	305	580	710	882	542	697	190	313	370	496	397	484	484
800	10	470	318	610	766	855	530	670	190	313	370	520	397	484	484
900	10	510	330	670	861	965	618	780	242	365	370	568	432	519	519
1000	10	550	410	740	951	1039	650	854	242	365	370	625	432	519	519
1100	10	590	440	750	1053	1022	720	837	242	365	370	695	432	519	519
1200	10	630	470	900	1147	1251	782	1008	290	515	485	738	538	625	625
1300	10	670	-	988	1248	1301	867	1059	290	515	485	803	538	625	625
1400	10	710	530	1160	1345	1349	917	1101	290	515	485	848	538	625	625
1500	10	750	-	1080	1435	1411	1015	1168	431	656	485	910	681	768	768
1600	10	790	600	1250	1537	1483	1060	1240	431	656	485	970	681	768	768
1800	10	870	670	1220	1722	1586	1183	1343	431	656	485	1075	681	768	768
2000	10	950	760	1300	1901	1789	1303	1526	431	656	485	1183	681	768	768
2200	10	1030	-	1500	2085	1906	1420	1603	431	656	605	1285	609	909	909
2400	10	1110	-	1600	2308	2095	1593	1792	519	744	605	1390	898	998	998
2500	10	1150	-	1600	2396	2122	1610	1819	519	744	605	1440	898	998	998

Note: Dimensions C, f and eLx depend on flange specification ordered

TABLE 3 PN16

DN	PN	L Series 14	L Series 13	L1	L2	e1	e2	e3	e4	e5	d2	h1	h2	h3	WEIGHT (kg)
150	16	210	140	-	152	378	151	255	71	134	245	143	136	212	45
200	16	230	152	180	199	405	177	282	71	134	245	180	136	212	60
250	16	250	165	220	251	481	214	352	95	158	245	213	163	239	95
300	16	270	178	280	281	503	237	380	95	158	245	242	163	239	115
350	16	290	190	320	336	595	283	410	110	175	370	272	184	271	162
375	16	310	216	335	385	626	297	441	110	198	370	300	285	372	204
400	16	310	216	335	385	626	297	441	110	198	370	300	285	372	204
450	16	330	222	380	434	670	333	485	110	198	370	330	295	372	240
500	16	350	229	400	474	721	344	531	156	245	370	370	334	420	325
600	16	390	267	500	576	779	414	594	156	245	370	432	334	420	435
700	16	430	292	540	671	838	511	653	190	313	370	467	397	484	610
750	16	450	305	590	710	882	542	697	190	313	370	496	397	484	707
800	16	470	318	615	766	928	530	743	190	313	370	525	397	484	780
900	16	510	330	675	861	1007	618	802	242	365	370	573	432	519	1065
1000	16	550	410	740	951	1039	650	854	242	365	370	638	432	519	1320
1100	16	590	440	750	1063	1091	720	906	242	365	370	696	432	519	1558
1200	16	630	470	900	1147	1251	782	1008	290	515	485	753	538	625	2375
1300	16	670	-	988	1248	1301	867	1059	290	515	485	803	538	625	2867
1400	16	710	530	1160	1345	1349	917	1101	290	515	485	848	538	625	2870
1500	16	750	-	1153	1435	1385	966	1142	431	656	485	930	681	768	4055
1600	16	790	600	1250	1537	1508	1115	1265	431	656	485	975	681	768	5150
1800	16	870	670	1220	1722	1630	1217	1387	431	656	485	1060	681	768	5580
2000	16	950	760	1300	1901	1769	1303	1526	431	656	485	1193	681	768	8500
2200	16	1030	-	1500	2085	1975	1460	1672	519	744	605	1290	898	998	11220
2400	16	1110	-	1630	2308	2095	1593	1792	519	744	605	1390	898	998	14650
2500	16	1150	-	1650	2396	2122	1610	1819	519	744	605	1440	898	998	16040

TABLE 4 PN25

DN	PN	L Series 14	L Series 13	L1	L2	e1	e2	e3	e4	e5	d2	h1	h2	h3	WEIGHT (kg)
150	25	210	140	-	152	378	151	255	71	134	245	150	136	212	55
200	25	230	152	180	199	462	199	339	95	158	245	190	163	239	110
250	25	250	165	305	251	556	250	371	110	175	370	223	184	271	160
300	25	270	178	340	281	591	277	406	110	198	370	253	265	372	185
350	25	290	190	320	336	619	294	434	110	198	370	288	285	372	216
375	25	310	216	375	379	663	342	478	156	245	370	320	334	420	295
400	25	310	216	375	379	663	342	478	156	245	370	320	334	420	295
450	25	330	222	470	427	709	382	524	156	245	370	345	334	420	352
500	25	350	229	430	474	745	410	560	190	313	370	375	397	484	475
600	25	390	267	530	567	798	461	611	190	313	370	433	397	484	655
700	25	430	292	640	663	877	535	682	242	365	370	490	432	519	900
750	25	450	305	600	710	907	542	722	242	365	370	526	432	519	960
800	25	470	318	575	747	974	590	789	242	365	370	560	432	519	1184
900	25	510	330	745	854	1114	685	871	290	515	485	610	538	625	1800
1000	25	550	410	760	952	1171	741	928	290	515	485	675	538	625	2120
1200	25	630	470	880	1148	1286	824	1043	290	515	485	775	538	625	2780
1400	25	710	530	1010	1345	1476	964	1233	431	656	485	888	681	768	4210
1600	25	790	600	1210	1543	1603	1110	1300	431	656	605	1000	809	909	5640
1800	25	870	670	1345	1678	1833	1255	1530	519	744	605	1118	898	998	9100
2000	25	950	760	1400	1886	1886	1353	1583	519	744	605	1228	898	998	11560

Application:

The double eccentric butterfly valve uses an eccentric structure design, which is widely used in the fluid piping system of water supply and drainage, sewage, portable water, drinking water, construction, textile, papermaking, hydropower, metallurgy, energy and other projects for regulation and interception.



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