



CIVIL AND MECHANICAL ENGINEERING CONTRACTORS

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Project Title	CONTRACT No: BFI01/23/MWTWSC2: RIVERTON WTW REFURBISHMENT OF NEW PLANT'S FILTERS, CLARIFIERS, BACKWASH SYSTEM AND WASH WATER RECOVERY SYSTEM
Work Package Title	Valves for Backwash and Air Scour Mains
Date of Work Package	20 October 2025
Project Manager	Stephen le Roux
Start Date	25 November 2025
Expected Works Duration	30 Days
Reference	C323-WPK004

Purpose

The objective of this work package is to engage a service provider for the procurement and supply of various valve types. This package will be executed in a single phase, with all items supplied to the designated recipient at the specified address. Detailed specifications and quantities for each valve are provided in document C320 – Valve & Actuator Schedule Rev 0 (attached).

This opportunity is restricted to enterprises meeting the following criteria: they must qualify as a Local Enterprise, Local Emerging Contractor, Local Services Provider, or Local Supplier, and must be recognized as a Targeted Enterprise as defined below.

Eigenbau intends to place a single order for the procurement and supply of valves with one selected vendor.

Local

means the Sol Plaatje Municipality (SPM) area.

Local Emerging Contractor

means a legal business entity with its registered office and/or physical address in the Local area.

Local Supplier

means a legal business entity with its registered office and/or physical address in the Local area who has actively conducted business in the Local area for a period of more than 12 months and who supplies materials and plant directly to the end-user.

Local Services Provider

means a legal business entity with its registered office and physical address in the Local area who has actively conducted business in the Local area for a period of more than 12 months and who supplies services directly to the end-user.

Pre-qualification Criteria for Targeted Enterprises

- an EME or QSE which is at least 51% owned by black people.
- an EME or QSE which is at least 51% owned by black people who are youth.
- an EME or QSE which is at least 51% owned by black people who are women.

- iv. an EME or QSE which is at least 51% owned by black people with disabilities.
- v. an EME or QSE which is 51% owned by black people living in rural or underdeveloped areas or townships.

Background

Eigenbau Pty Ltd is a company with a long history of successful projects in the water and wastewater treatment space. As such, Eigenbau competitively tendered for the appointment for various mechanical and electrical works at the Riverton Old Works. Eigenbau were appointed as the sole Main Contractor in the refurbishment of old plant's filters, chlorine and chemical dosing systems at Riverton Water Treatment works.

As part of the Scope of works, we are required to procure and supply mechanical valves to a designated location for further processing and/or installation. The type and quantity of the valves are specified in the valve schedule, bill of quantities and drawings (all of which are attached). The successful supplier maybe requested to purchase the valves with a slight difference in quantities to those stipulated in the documents provided as the designs are subject to changes and modifications. This will be communicated to the supplier. This work has been identified as being suitable for supply opportunity to a party who is able to source materials, negotiate resale discounts and manage tight timelines. The ideal sub-contractor should also have a proven track record of having worked with procurement and supply of mechanical equipment. Eigenbau herewith issue this invitation to tender to suitable experienced service providers for this as a works package to qualifying local entities.

NOTE: *All responding parties are to remain aware that the main contract was secured under competitive bidding and accordingly the responding parties are encouraged to research what is acceptable rates for such work that allows all parties to reasonably benefit from the work. Eigenbau is committed to sharing workload, within the main contract parameters*

Site Location

Not applicable to this work package.

Delivery Address

ALL valves will be delivered to Eigenbau Workshop, Boksburg.

Below are the contact person/s to arrange for deliveries at the respective equipment locations:

Contact Person	Phone number	Email Address	Company
Peter Hook	066 009 2852	peter@eigenbau.co.za	Eigenbau (PTY) Ltd
BRIAN SAVERTON	082 414 4554	sav@macneilsteelvalves.co.za	MSV

Scope of work

Eigenbau seeks a qualified contractor to supply and deliver actuators to their Workshop in Boksburg. The scope of work includes:

- a) Procuring valves detailed as follows:

“MSV Double Flanged Double Eccentric Butterfly valves, to BS 5155 short pattern, PN10, Fusion Bonded Epoxy powder Ductile Iron Body and Disc to a minimum of 250 microns, 304 Stainless steel Seat Ring and Seal Retaining Ring, EPDM Disc Seat, 304SS Shafts, flanges drilled to SABS 1123 Table 1000”

To be actuated by others

- i. 24 x 150mm
- ii. 24 x 250mm
- iii. 24 x 450mm

Gearbox operated

- iv. 3 x 350mm
- v. 2 x 150mm

Model CV304 Y Type Strainer, PN16, Fusion bonded Epoxy powder coated cast iron body, 304ss screen with 3mm holes, flanged Table 1000

- vi. 2 x 150mm

MSV Swing Check valve, PN10, Epoxy coated Ductile iron body, EPDM covered door, external lever and counterweight, flanged Table 1000

- vii. 3 x 350mm

- b) Transporting and delivering the actuators to the designated location.

Important Notes:

1. It is recommended that the supplier negotiates with the OEM vendor to include transport to the named transport destinations on their behalf.
2. The appointed vendor must ensure that the actuators remain undamaged during transportation, as any damage will render them unusable.
3. The appointed vendor is responsible for both loading and offloading at the collection and delivery points. Caution and attention to detail must be observed throughout the process.

Site Access

Not Applicable to this work package.

Deliverables

Below are the required deliverables.

- a. Delivery Note depicting where the actuators were delivered.

Assumptions

All cost related to this project should be incorporated into the submitted quotation for review. No variation orders will be tolerated.

Constraints

1. Submission closing date will be on the 24th of November 2025.
2. Orders need to be placed with the actuator supplier by 30th of November 2025.

Dependencies

Suppliers of Actuators that meet or exceed the standards of the product offered by the contractor are limited. To assist with expediting the procurement process, below is the recommended possible supplier and their contact details:

Name of Company	Name of contact person	Contact details		Location
		Email	Tel	
MacNeil Steel Valves	Brian Saverton	sav@macsteelvalves.co.za	082 414 4554	1545 Staal Road, Knights, Germiston 1401

Risks and Mitigation

Non-Applicable to this work package

Milestones

Not applicable to this work package

Progress reporting

N/A tot this work package

Attachments and Appendices

TECHNICAL DATA SHEETS

MSV DOUBLE FLANGED DOUBLE ECCENTRIC BUTTERFLY VALVES 150MM -600MM PN16

MSV DOUBLE FLANGE BUTTERFLY VALVES BARE SHAFT 150MM – 450MM VALVES

MSV KW CV 304 STRAINER

MSV SOFT SEAT SWING CHECK VALVES DN50 – DN600 PN 10 16

MSV NUVENT ISW AIR RELEASE VALVE

Approvals

All approvals will be done by the Main contractors Project Manager.

Returnable Documents

Below is a list of the required returnable documents:

1. Signed Quotation and Offer of Services addressing the Scope of Work.
2. Copy of CIDB Certification as proof of contractor's registration (Not required in this instance).
3. CIPC Registration for the company (Only applicable to companies)
4. Tax Status Compliance or PIN. (*This document is compulsory, and non-compliance will result in disqualification*)
5. Certified copy of VAT Registration certificate
6. Certified copy of letter of good standing issued by the Department of Labour in terms of Act 130 of 1993.
7. Certified copy of Incorporation (Only required for applicants who are companies)
8. Certified copy of Partnership Agreement (If applicant is in a partnership)
9. Certified copy of Identity document of all owners/partners/directors etc.
10. Certified copy of the B-BBEE Status level verification certificate.
11. Copies of all identification for shareholder/directors/members etc (should not be older than 3 months)
12. CV of all key staff to be used on the project (Not required in this instance)

13. CV of the person who prepares the contractors Health, Safety and Environment plan.
14. Proof of Registration on the central supplier database (CSD)
15. Contractors Project Quality Plan and Transportation Method Statement.
16. Confirmation letter from bank for banking details.
17. Proof of Public Liability Insurance – not required for this package
18. Customer references in related industry.

Notes:

- a. No site briefing will be held.
- b. Other queries in this regard can be emailed to tenders@eigenbau.co.za no later than 48hours prior to the closing of the tender.

Commercial Terms and Conditions

Payment terms

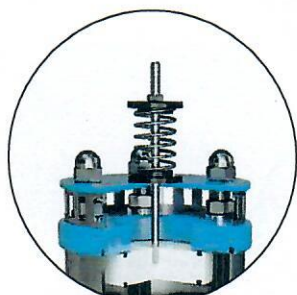
Payment is strictly 30 days from month end in which delivery is made. Suppliers should also note that deliveries later than the 13th of each month, are considered delivered the following month and thus should be invoice according. No deposits or advanced payments are available.

Submission of Documents

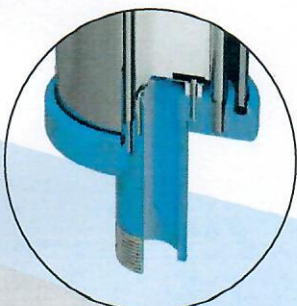
All documents must be submitted electronically by the 17.00 on the closing date, by scanning the originals and mailing them to tenders@eigenbau.co.za

IWF SERIES

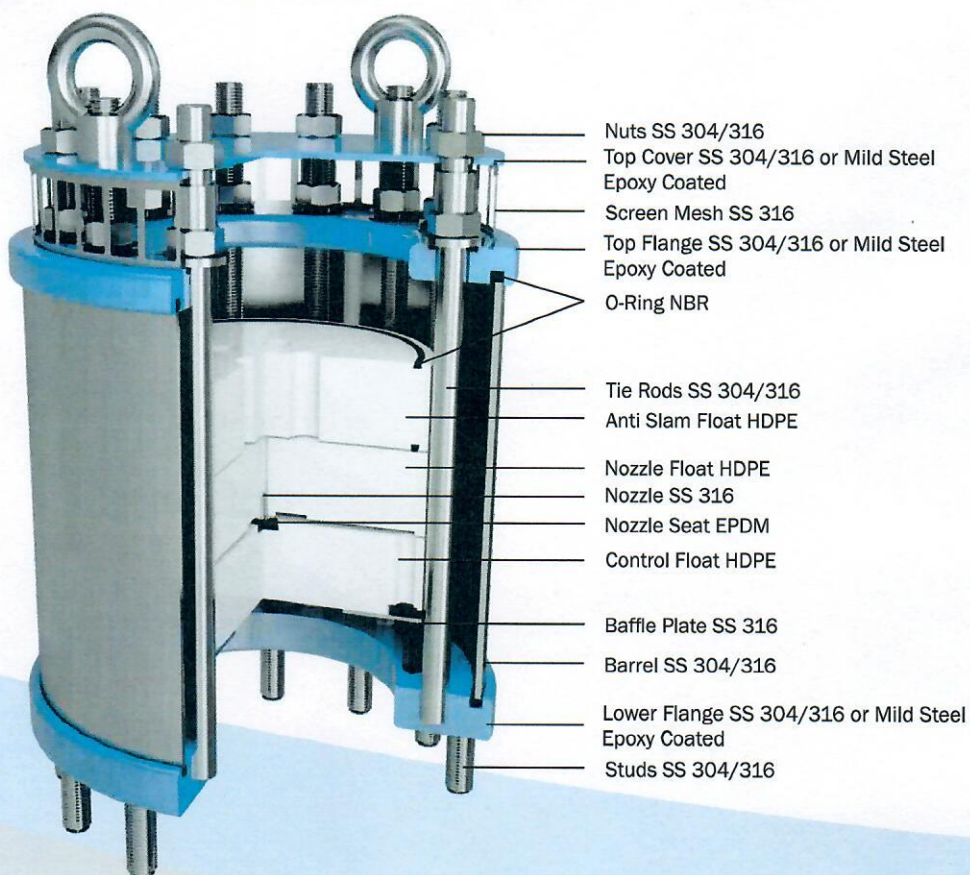
Potable water



Bias assembly
For pump station & high risk or previously identified surge areas



25mm / 1" & 50mm / 2"
Flanged option also available



Operating Pressures

0.5 - 16 bar / 7.2 - 232 psi
0.5 - 25 bar / 7.2 - 363 psi
0.5 - 40 bar / 7.2 - 580 psi
0.5 - 64 bar / 7.2 - 928 psi
0.5 - 100 bar / 7.2 - 1450 psi

Operating Temperatures

0 - 80 °C / 32 - 176 °F

End Connection

Screwed BSP / NPT
Flanged studed

Double Acting with Anti Slam Orifice

(Triple acting / Three stage)

Size	Model no.	Pressure Rating	Overall Height	Overall Diameter	Weight
25mm / 1"	025 IWF 25	25 bar / 363 psi	286mm / 11.26"	100mm / 3.94"	4 kg / 9 lbs
	025 IWF 40	40 bar / 580 psi	336mm / 13.23"	100mm / 3.94"	5 kg / 10 lbs
50mm / 2"	050 IWF 25	25 bar / 363 psi	304mm / 11.97"	130mm / 5.12"	7 kg / 15 lbs
	050 IWF 40	40 bar / 580 psi	346mm / 13.62"	130mm / 5.12"	8 kg / 17 lbs
80mm / 3"	080 IWF 25	25 bar / 363 psi	288mm / 11.34"	200mm / 7.87"	15 kg / 33 lbs
	080 IWF 40	40 bar / 580 psi	322mm / 12.68"	200mm / 7.87"	18 kg / 39 lbs
100mm / 4"	100 IWF 16	16 bar / 232 psi	283mm / 11.14"	220mm / 8.60"	16 kg / 35 lbs
	100 IWF 25	25 bar / 363 psi	288mm / 11.36"	235mm / 9.25"	19 kg / 41 lbs
	100 IWF 40	40 bar / 580 psi	328mm / 12.93"	235mm / 9.25"	21 kg / 46 lbs
150mm / 6"	150 IWF 16	16 bar / 232 psi	438mm / 17.24"	285mm / 11.22"	40 kg / 89 lbs
	150 IWF 25	25 bar / 363 psi	449mm / 17.68"	300mm / 11.81"	46 kg / 102 lbs
	150 IWF 40	40 bar / 580 psi	484mm / 19.06"	300mm / 11.81"	61 kg / 135 lbs
200mm / 8"	200 IWF 16	16 bar / 232 psi	497mm / 19.57"	340mm / 13.39"	55 kg / 122 lbs
	200 IWF 25	25 bar / 363 psi	487mm / 19.17"	360mm / 14.17"	65 kg / 144 lbs
	200 IWF 40	40 bar / 580 psi	530mm / 20.87"	375mm / 14.76"	87 kg / 192 lbs

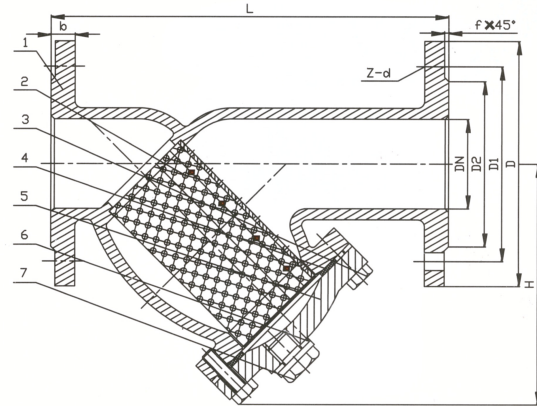
Larger sizes are available on request



Cast Iron Y-Strainers



Model No. CV-304



Design to DIN3247

Face to face dimension to DIN3202 F1

Flanges and drilling to DIN2501 PN16 or
DIN2501 PN10

Tests: Hydraulic test to DIN3230 Part 4

Use: for water, sewage and neutral liquids to
Max. 70°C

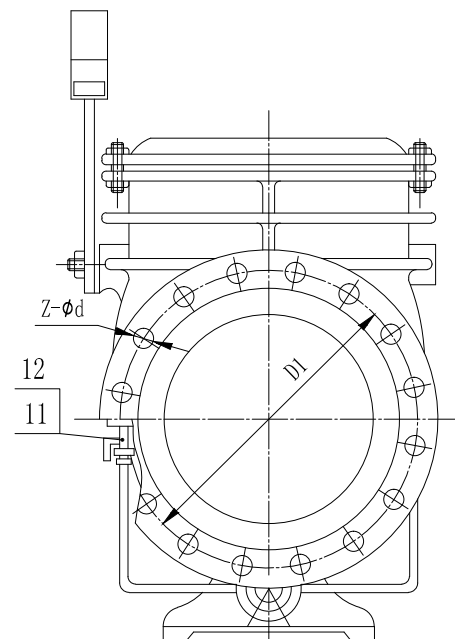
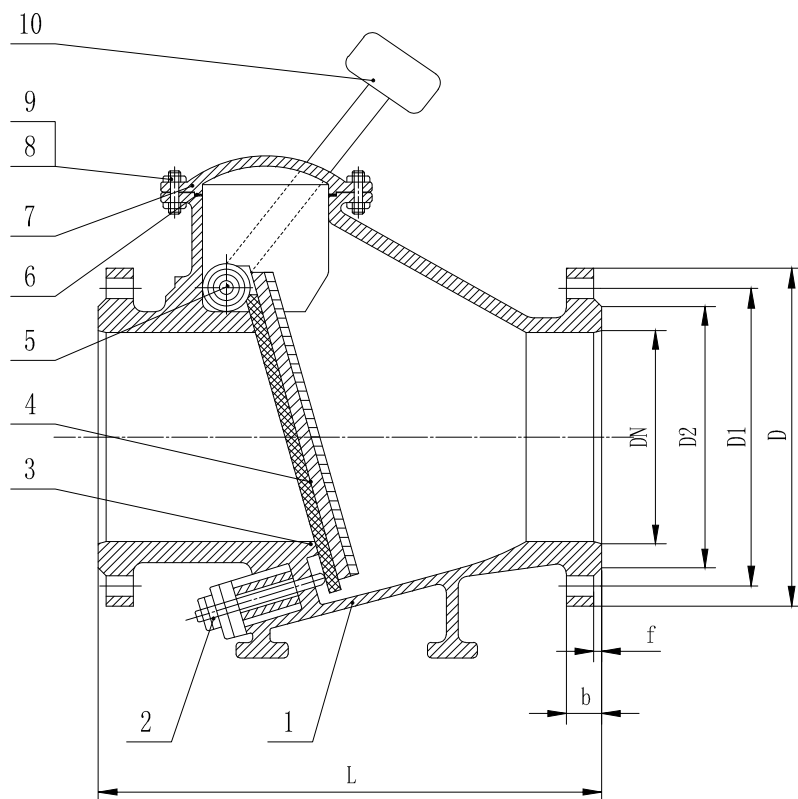
Coating: fusion bonded epoxy coating internally
& externally mini.250 microns

■ Components :

No.	Name	Material
1	Body	Grey Cast Iron, EN1561 GG25
2	Screen	Stainless Steel 304
3	Bonnet Bolts	Carbon Steel
4	Bonnet Gasket	Rubber, EPDM
5	Bonnet	Grey Cast Iron, EN1561 GG25
6	Washer	Carbon Steel
7	Drain Plug	Carbon Steel

■ Dimensions (mm)

DN	L	D	b	f	H	Flange Drilling DIN2501 PN16			Weight
						D1	D2	Z-Φd	
50	230	165	19	3	158	125	102	4-Φ18	11
80	310	200	19	3	199	160	138	8-Φ18	19
100	350	220	19	3	231	180	158	8-Φ18	26
150	480	285	19	3	332	240	212	8-Φ22	60
200	600	340	20	3	430	295	268	12-Φ22	99
250	730	405	22	3	502	355	320	12-Φ26	150
300	850	460	24,5	4	570	410	378	12-Φ26	212
350	980	520	26,5	4	643	470	438	16-Φ26	256
400	1100	580	28	4	726	525	490	16-Φ30	375
500	1250	715	32	4	870	650	609	20-Φ34	
600	1450	840	36	4	1025	770	720	20-Φ37	



No.	Description	Material
1	Body	GGG40
2	Adjust nut	Copper
3	Seat	EPDM
4	Disc	WCB coverby EPDM
5	Hinge	2Cr13
6	Gasket	NBR
7	Cover	GGG40
8	Bolt	SS316
9	Nut	SS316
10	Counter wt.	Cast iron
11	Control valve	Assembly
12	Oil cylinder	Stainless steel

Technical Requirement

- 1、Flange drilled is according to EN1092-2 ;
- 2、Faces to faces is according to ISO Standard .

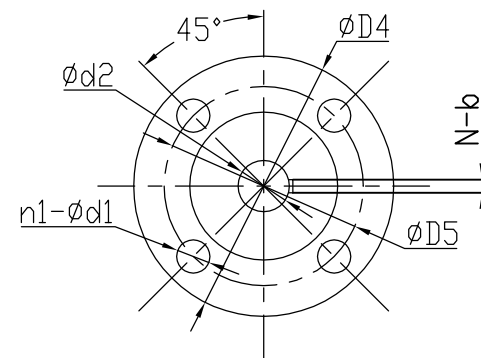
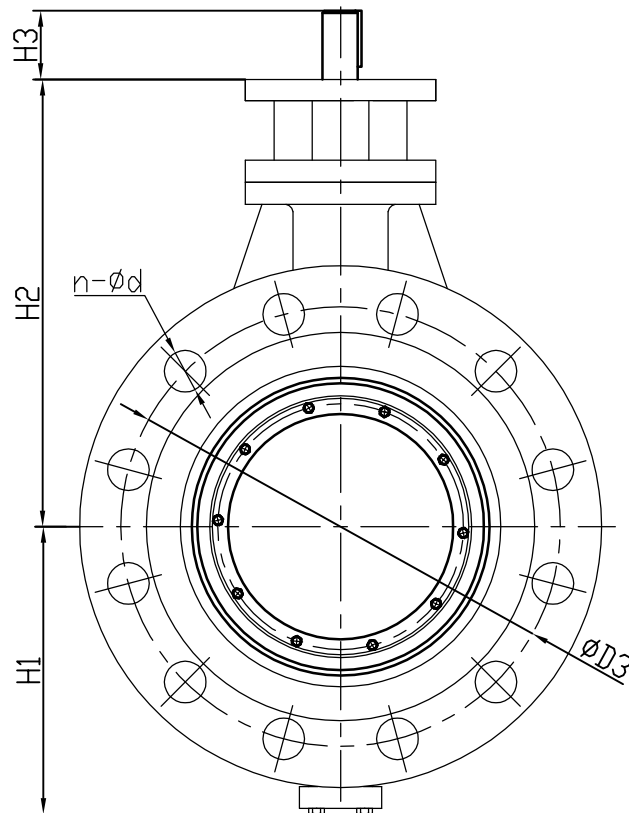
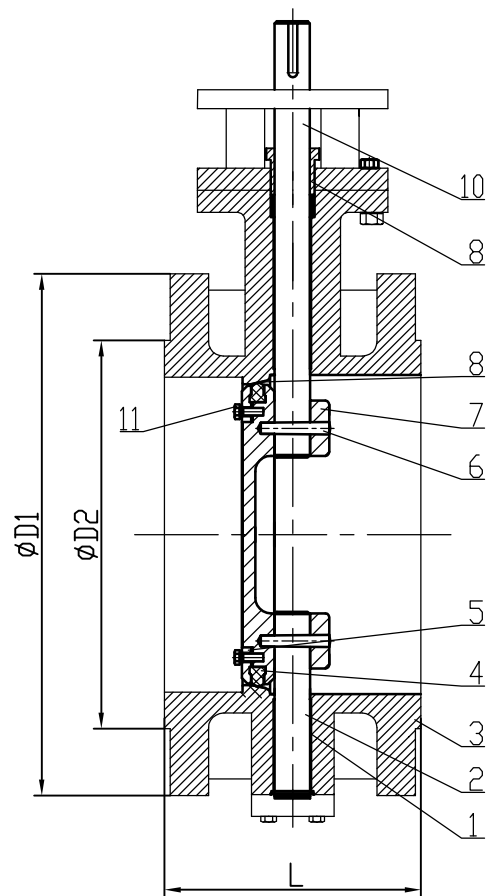
PN10

DN	D	D1	D2	b	f	L	z-d
200	340	295	266	20	3	500	8-23
250	395	350	319	22	3	600	12-23
300	455	400	370	24.5	4	700	12-23
350	505	460	429	24.5	4	800	16-23
400	565	515	480	24.5	4	900	16-28
450	615	565	530	25.5	4	1000	20-28
500	670	620	582	26.5	4	1100	20-28
600	780	725	682	30	5	1300	20-31
700	895	840	794	32.5	5	1400	24-31

Add:N0720 Tong du Avenue Northern
Section,Tongling City,Anhui
Province,China

Drawing No.	Rev 02
Date	2015. 9. 23

HH44X-10-00



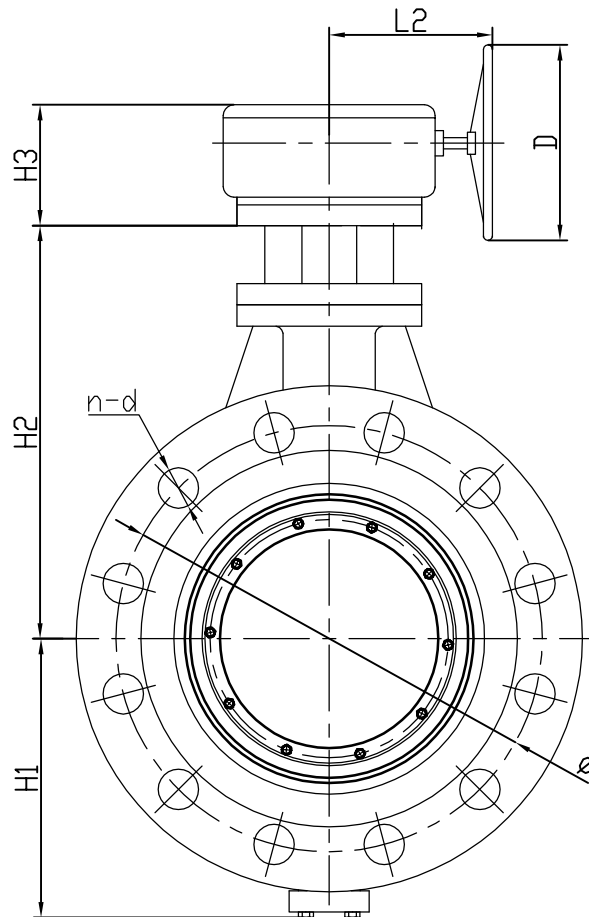
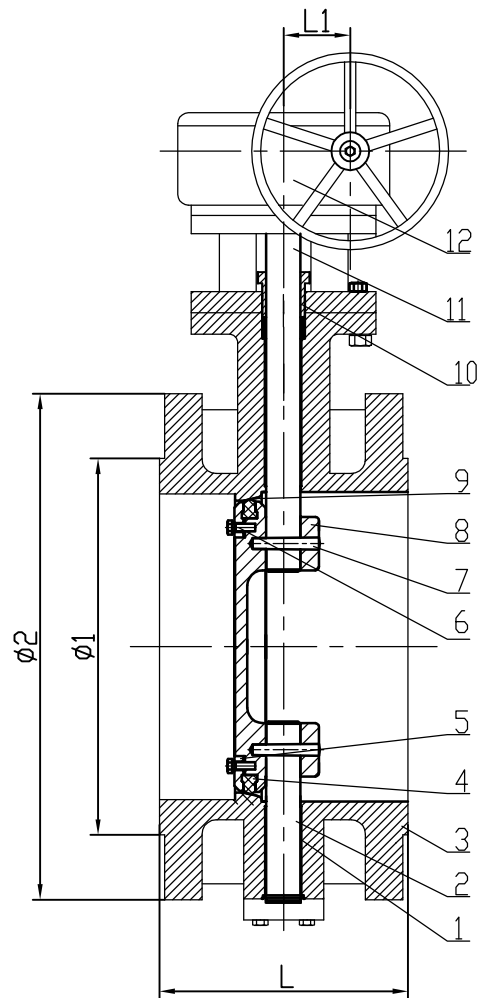
Technical Date	
Test pressure	
Noninal pressure	PN10
Shell test pressure	1.5MPa
Sealing test pressure	1.1MPa

Technical Requirements:

- 1.Design and manufacture according to BS EN593.
- 2.Face to face according to EN558-1.
- 3.Flange drilling according to PN10.
- 4.Top flange drilling according to ISO 5211.
- 5.Pressure test according to API598.

11	Bolt	304
10	Stem(Upper)	SS431
9	Packing Gland	DI
8	Seat	304
7	Disc	DI
6	Pin	SS416
5	Adjusting ring	SS304
4	Disc*T*ring	EPDM
3	Body	DI
2	Stem(Lower)	SS431
1	Bushing	PTFE
No.	Name	Material

Pressure test according to EN 1093																				Assemble Drawing				XIAMEN TELICE			
DN		L	ØD1	ØD2	ØD3	n-Ød	H1	H2	H3	ØD4	ØD5	n1-Ød1	Ød2	N-b													
6"	DN150	140	285	211	240	8-Ø23	132	247	45	90	70	4-Ø10	19	6	Mark	No.	Change File No.	Sign	Date					Butterfly Valve 6"-18"(DN150-DN450)			
10"	DN250	165	395	319	350	12-Ø23	220	318	60	125	102	4-Ø12	24	8	Designer			Standardization		Drawing Mark		Weight					
14"	DN350	190	505	429	460	16-Ø23	285	395	70	175	140	4-Ø18	38	12	Corrector									S			
18"	DN450	222	615	530	565	20-Ø28	336	481	80	210	165	4-Ø22	40	12	Auditor			Authorized		Total		Pages Total					
															Technologist									150-450D042X-10Q			



Technical Date		
Test pressure		
Nominal pressure	PN10	PN16
Shell test pressure	1.5MPa	2.4MPa
Sealing test pressure	1.1MPa	1.76MPa

Technical Requirements:

- 1.Design and manufacture according to BS EN593.
- 2.Face to face according to EN558-1.
- 3.Flange drilling according to PN16.
- 4.Top flange drilling according to ISO 5211.
- 5.Pressure test according to API598.

12	GEAR BOX	DI
11	Stem(Upper)	SS420
10	Packing Gland	DI
9	Seat	304
8	Disc	DI
7	Pin	SS416
6	Screw	SS304
5	Adjusting ring	SS304
4	Disc T-ring	EPDM
3	Body	DI
2	Stem(Lower)	SS420
1	Bushing	PTFE
No.	Name	Material

DN	PN10				PN16				D	L	L1	L2	H1	H2	H3
	Ø1	Ø2	Ø	n-d	Ø1	Ø2	Ø	n-d							
DN150	211	285	240	8-Ø23	211	285	240	8-Ø23	180	140	52	115	139	200	72
DN200	266	340	295	8-Ø23	266	340	295	12-Ø23	220	152	62	140	175	300	85
DN250	319	395	350	12-Ø23	319	405	355	12-Ø28	220	165	62	180	210	352	105
DN300	370	445	400	12-Ø23	370	460	410	12-Ø28	320	178	80	190	285	370	105
DN350	429	505	460	16-Ø23	429	520	470	16-Ø28	320	190	100	230	285	395	105
DN400	480	565	515	16-Ø28	480	580	525	16-Ø31	400	216	120	245	312	435	132
DN450	530	615	565	20-Ø28	548	640	585	20-Ø31	400	222	120	245	336	481	132
DN500	582	670	620	20-Ø28	609	715	650	20-Ø34	500	229	142	300	360	512	153
DN600	682	780	725	20-Ø31	720	840	770	20-Ø37	500	267	142	320	420	586	180

DN350 TORQUE:1000N.m

					Assemble Drawing	XIAMEN TELICE			
						Butterfly Valve 6'-24"(DN150-DN600)			
Mark	No.	Change File No.	Sign	Date		Drawing Mark		Weight	
Designer			Standardization			S			
Connector					150-600D342X-10/16Q				
Auditor			Authorized						
Technologist					Total		Pages	Total	Pages