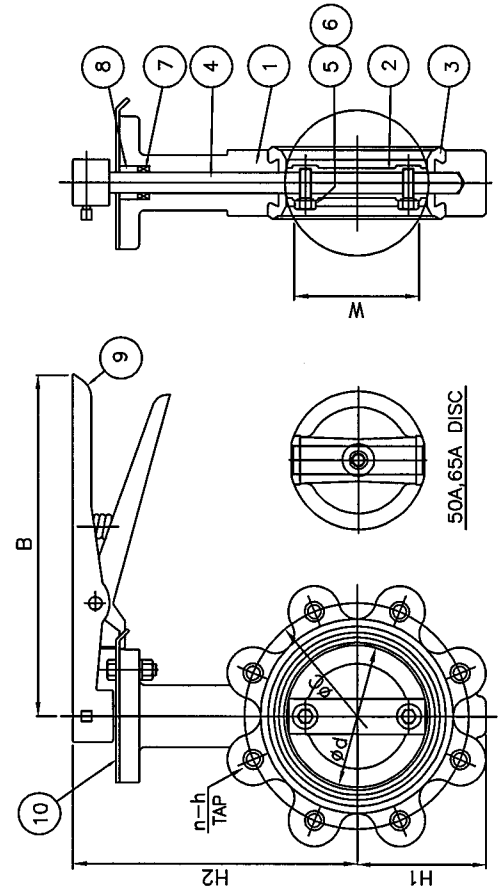
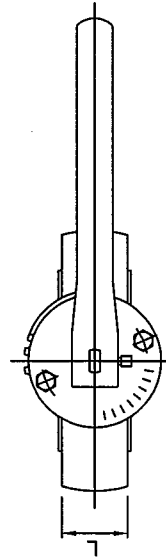


D I M E N S I O N S													UNIT: mm	
ITEM NO	NOMINAL DIAMETER	ød	L	FLANGE		H1	H2	B	W	WEIGHT (KG)	Q'TY	ID NO		
				øC	n-h TAP									
00010	50(2")	50	43	120.7	4-5/8"	60	158	230	27	8.4	8	A201		
	65(2½")	64	46	139.7	4-5/8"	67	169	230	51	9.0				
	80(3")	78	46	152.4	4-5/8"	75	180	260	67	12.0				
	100(4")	100	52	190.5	8-5/8"	107	194	260	85	14.6				
	125(5")	125	56	215.9	8-3/4"	117	207	260	113	16.3				
00020	150(6")	148	56	241.3	8-3/4"	130	220	260	136	23.5	4	A201		
FLANGE DRILLING : ANSI B 16.5 CLASS 150														



P.NO.	PART NAME	MATERIAL	REMARK
1	BODY	A536G.65-45-12	1
2	DISC	B148C954	1
3	SEAT RING	EPDM	1
4	STEM	A2761304	1
5	DISC BOLT	A193-B8M	2
6	O-RING	EPDM	2
7	PACKING	EPDM	1
8	PACKING GLAND	ACETAL	1
9	LEVER	ASS'Y	1
10	INDICATOR	A36	1

NOTES

- DESIGN STANDARD : API 609
- FACE TO FACE DIMENSION : API 609 A
- HYDROSTATIC TEST (API 598)
 - BODY : 420 PSI
 - SEAT : 165 PSI
- BODY MARKING TO MSS SP 25 : 150LB MATERIAL SIZE KU
- PAINTING: Color RAL9006 ALUMINIUM (Min125um)
 - Primer : Inorganic Zinc Silicazate: 75 microns
 - 1st : Silicone & acrylic resin: 25 microns
 - Finish : Silicone & acrylic resin: 25 microns
- Wrench Operator
- Up to +60 deg c. (Sea water)
- Rating to ASME B16.34
- Differential Pressure Max 10 bar.
- With Heavy Hex bolts for body tapped holes.
- TAG-NO : A201

Client : Lurgi Oel Gas Chemie GmbH
 Project Title : 2nd Zagros Petrochemical Plant
 Site Bandar Assaluyeh, Iran
 Lurgi Contract No : 1.69690-10
 Lurgi PO No : 4567966-000/1.69690/136

NO.	DATE	DESCRIPTION	DRA.	DES.	CHK.	APR.
1	04.10.06	REV-01				
2	04.09.24	FIRST ISSUE				
LUGGED TYPE ANSI # 150						
LEVER OPERATED BUTTERFLY VALVE						
APR.	CHK.	DES.	DRA.	SCALE	N . S	
				DATE	'01.09.20	
				DWG NO	CRB2A-02LO-1	

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P/N	PART NAME	MATERIAL	QTY	REMARK
1	BODY	A536-65-45-12	1	
2	DISC	B148C954	1	
3	SEAT	EPDM	1	
4	STEM	A276T304	1	
5	DISC PIN	A276T316	2	
6	O-RING	EPDM	2	
7	BUSH (UPPER)	OILLESS B/R	1	
8	BUSH (LOW)	OILLESS B/R	1	
9	GASKET	NBR	1	
10	END COVER	A536-65-45-12	1	
11	BOLT	SS304	4	
12	PACKING	EPDM	1SET	
13	PACKING GLAND	B148C954	1	
14	GEAR BOX	ASSY	1	

NOTES

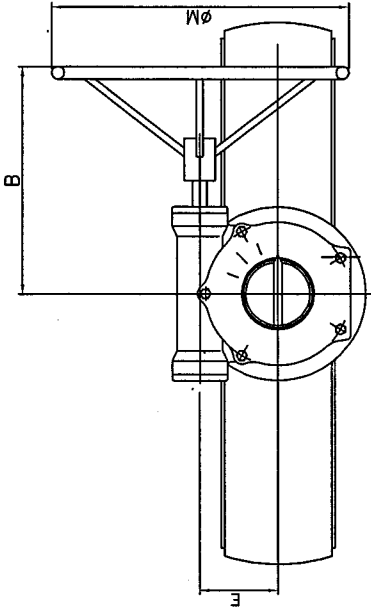
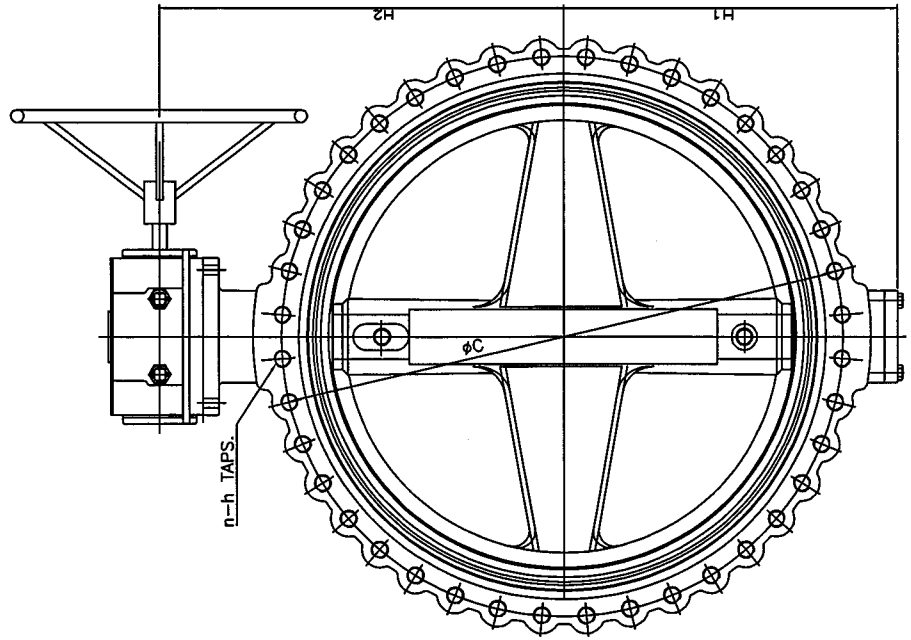
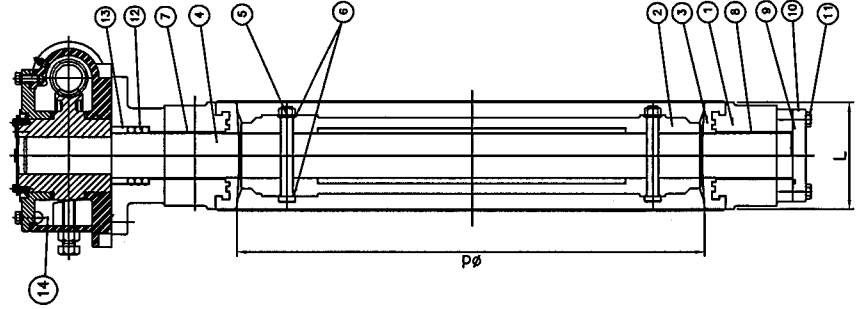
- DESIGN STANDARD : API 609
- FACE TO FACE DIMENSION : API 609 A
- HYDROSTATIC TEST (API 598)
-BODY : 420 PSI -SEAT : 165 PSI
- BODY MARKING TO MSS SP 25 : 150LB MATERIAL SIZE KU
- PAINTING: Color RAL9006 ALUMINIUM (Min125um)
Primer : Inorganic Zinc Silicate: 75 microns
1st : Silicone & acrylic resin: 25 microns
Finish : Silicone & acrylic resin: 25 microns
- Worm Gear Operator
- Up to +60 deg c. (Sea water)
- FLANGE RATING : ASME B16.47 Series B/API 605
- Differential Pressure Max 10 bar.
- Rating to ASME B16.34
- With Heavy Hex bolts for body tapped holes.
- TAG-NO : A201G

Client : Lurgi Oel Gas Chemie GmbH
Project Title : 2nd Zagros Petrochemical Plant
Site Bandar Assaluyeh, Iran
Lurgi Contract No : 1.69690-10
Lurgi PO No : 4567966-000/1.69690/136

NO	DATE	DESCRIPTION	DRN	CHK	APP.
1	04.10.06	REV-01			
2	04.09.24	FIRST ISSUED			
TITLE					
CONCENTRIC RUBBER SEAT LUG TYPE					
GEAR OPERATED BUTTERFLY VALVE					
APP.	INS.	DES.	DRA.	SCALE	N/A
				DATE	01.08.28
				DWG/N	CRB1A-28G0

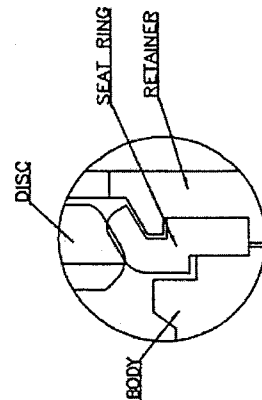
KLAUS UNION GMBH

DIMENSIONS										UNIT: mm
ITEM NO	NOMINAL DIAMETER	Ød	L	FLANGE	ØC	n-h	H1	H2	B	E
00030	700A(28")	685	170	795.3 40-3/4"	510	625	320	99	600	4
FLANGE RATING : ASME B16.47 #150 SERIES B / API 605										
A201G										



UNIT: mm

FLANGE DRILLING : ANSI B 16.5 CLASS 150



DETAIL OF "A"

NOTES

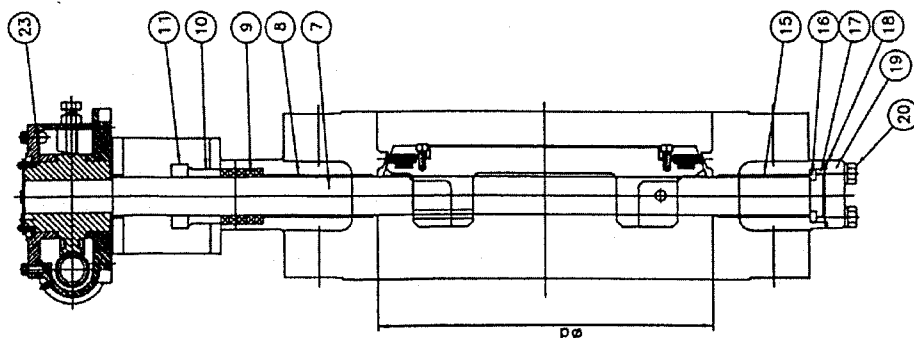
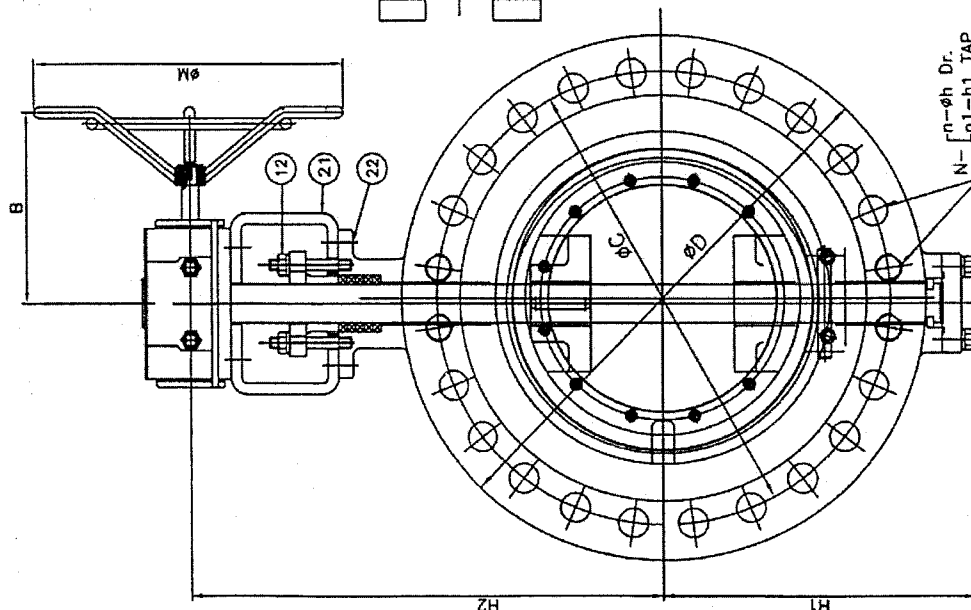
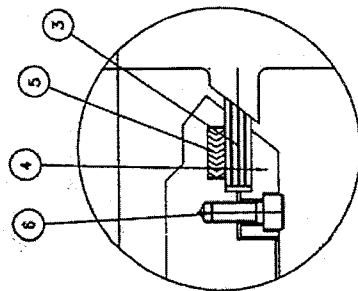
- Client : Lurgi Oel Gas Chemie GmbH
Project Title : 2nd Zagros Petrochemical Plant
Site Bandar Aasalyeh, Iran
Lurgi Contract No : 1.69690-10
Lurgi PO No : 4567966-000/1.69690/136

KLAUS UNION GMBH									
TITLE		HIGH--PERFORMANCE(TEFLON SEAT) GEAR OPERATED BUTTERFLY VALVES							
APP.	CHK.	DES.	DRA.	SCALE	N/S				
					DATE	00.02.13			
				DWG/N	HFT1A--08G0				
1		04.10.06		REV-01					
A		03.12.26		FIRST ISSUED					
NO.	DATE	DESCRIPTION			DRA.	DES.	CHK.	APP.	

DIMENSIONS

ITEM No	SIZE	ød	L	FLANGE					H1	H2	B	øM	WEIGHT	Q'TY	ID NO.
				øD	øC	T x f	N	n1-h1	n-øh						
00070	500(20")	500	229	775	685.8	64x1.6	24	4-11/4"	20-ø35	455	330	650	590KG	1	A651G

FLANGE DRILLING : ANSI B 16.5 CLASS 300



NOTES

- DESIGN STANDARD : API 609
- FACE TO FACE : ISO 5752 Basic Series 13 SHORT
- HYDROSTATIC TEST (API 598)
-BODY : 1100 PSI -SEAT : 800 PSI
- BODY MARKING TO MSS SP 25 : 300LB MATERIAL SIZE KU
- Zero Leakage
- Worm Gear Operator
- Up to +350 deg c.
- Rating to ASME B16.34
- Differential Pressure Max 25 bar.
- TAG NO. : A651G

NO.	DATE	DESCRIPTION	DRA	DES.	CHK.	APP.	DOUBLE FLANGE TYPE BUTTERFLY VALVE			
							TRIPLE OFFSET ANSI #300-20" ASSY DWG.			
1	04.10.06	REV-01					APP.	CHK.	DES.	DRA
0	04.09.20	FIRST ISSUE								SCALE
										N/S
										DATE
										03.05.25
										DWG/N
										TOMJA-2000

Client : Lurgi Oel Gas Chemie GmbH
Project Title : 2nd Zagros Petrochemical Plant
Site Bandar Assaluyeh, Iran
Lurgi Contract No : 1.69690-10
Lurgi PO No : 4567966-000/1.69690/136

KLAUS UNION GMBH