

DESCRIPTION

"Regulating plug" Globe valve - 800 - Red.B. - Bolted - SW

DRAWING

R352-7p/SW

Std. pressure tests (BAR):SHELL 211, SEAT 155, AIR 6

REF	QTY	DESCRIPTION	MATERIAL
10	1	Body	ASTM A105N
11	1	Bonnet	ASTM A105N
12	1	Stem	ASTM A182/F6a
13	1	Disk (parabolic)	ASTM A182/F6a
14	1	Seat	ASTM A182/F6a
15	1	Packing gland	AISI 316
16	1	Gland flange	ASTM A105N
17	1	Stem nut	AISI 416
18	1	Handwheel	CARBON STEEL
19	1	Handwheel nut	CARBON STEEL
20	2	Gland stud	AISI 410
21	4	Gland nut	ASTM A194/2H
22	1	Spiral wound gasket	AISI 316+GRAPHITE
23	1	Packing	PREFORMED GRAPHITE
24	4	Body screw	ASTM A193/B7
26	1	Handwheel washer	CARBON STEEL
50	1	Identification plate	ALUMINIUM

Klaus Union P.O. No. : HH-02535

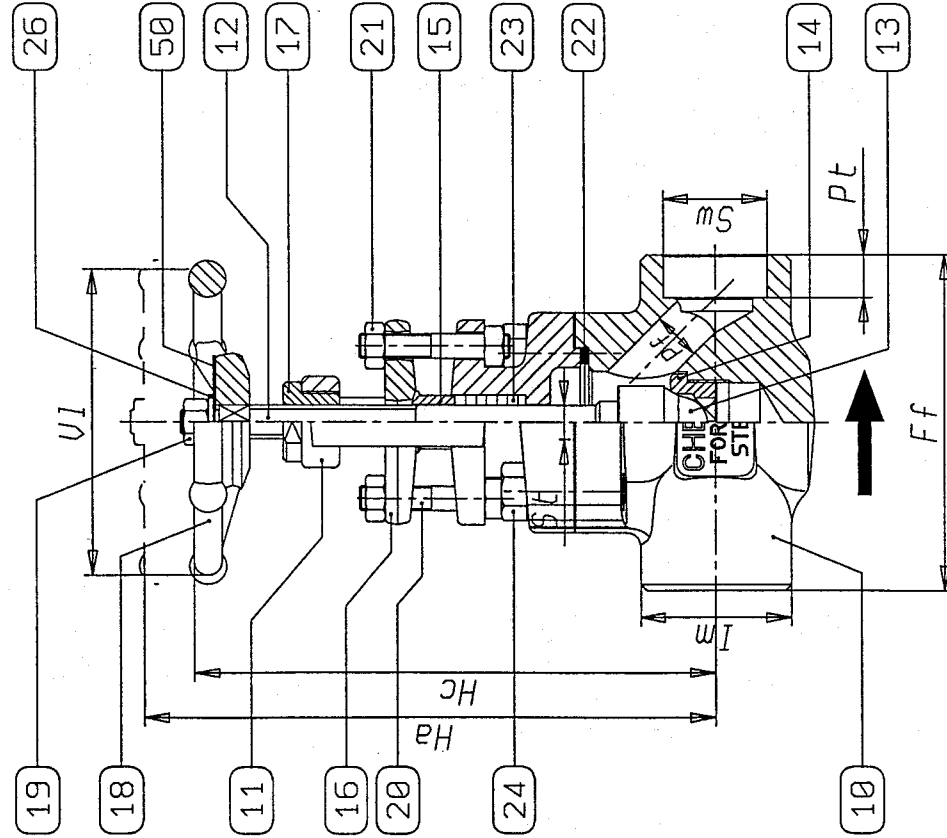
Client : Lurgi Oel Gas Chemie GmbH

Project Title : 2nd ZAGROS MegaMethanol Plant, Iran

Lurgi Contract-No. : 1.69690-10

Lurgi P.O.-No. : 4567569-000/1.69690/136

Dim.	Sw	Pt	Im	Pf	St	Hc	Ha	Ff	VI	Ut	ITEM NO.
1/2"	mm	21.7	10	33	9	9.5	140	152	80	90	1.7 kg
	in	0.85	0.39	1.30	0.35	3/8	5.51	5.98	3.15	3.54	3.7 lb
3/4"	mm	27.1	13	38	12.5	11.1	145	159	90	90	2.0 kg
	in	1.07	0.51	1.50	0.49	7/16	5.71	6.26	3.54	3.54	4.4 lb
1"	mm	33.7	14	49	17.5	12.7	166	182	110	100	3.2 kg
	in	1.33	0.55	1.93	0.69	1/2	6.54	7.17	4.33	3.94	7.0 lb
1.1/4"	mm	42.6	14	64	22.5	14.3	215	242	127	120	5.3 kg
	in	1.68	0.55	2.52	0.89	9/16	8.46	9.53	5.00	4.72	11.7 lb
1.1/2"	mm	48.6	14	64	30	15.9	242	274	145	140	7.8 kg
	in	1.91	0.55	2.52	1.18	5/8	9.53	10.79	5.71	5.51	12.2 lb
2"	mm	61.1	16	78	35	19.0	265	301	170	200	10.6 kg
	in	2.41	0.63	3.07	1.38	3/4	10.43	11.85	6.69	7.87	23.3 lb



APPLIC. STANDARD

BS 5352

ASME B16.11

BS 6755 (Pt.1)

API 598

NOTES

10. max. 0.22% C

11. max. 0.22% C

max. up to +427 C

Rating to ASME B16.34

MSS SP-25

APPROVED BY

CA

15/03/02

2

APP. R. DATE

15/03/02

2

REV.

U350

U350

COMPLETION DATE

17/03/05

1

REV. CUSTOMER CODE

U350

U350



"Regulating plug" Globe valve - 800 - Red.B. - Bolted - SW

R352-7p/SW

Std. pressure tests (BAR):SHELL 211, SEAT 155, AIR 6

REF	QTY	DESCRIPTION	MATERIAL
10	1	Body	ASTM A105N
11	1	Bonnet	ASTM A105N
12	1	Stem	ASTM A182/F6a
13	1	Disk (parabolic)	ASTM A182/F6a Stellite
14	1	Seat	ASTM A182/F6a Stellite
15	1	Packing gland	AISI 316
16	1	Gland flange	ASTM A105N
17	1	Stem nut	AISI 416
18	1	Handwheel	CARBON STEEL
19	1	Handwheel nut	CARBON STEEL
20	2	Gland stud	AISI 410
21	4	Gland nut	ASTM A194/2H
22	1	Spiral wound gasket	AISI 316+GRAPHITE
23	1	Packing	PREFORMED GRAPHITE
24	4	Body screw	ASTM A193/B7
26	1	Handwheel washer	CARBON STEEL
50	1	Identification plate	ALUMINIUM

Klaus Union P.O. No. : HH-02535

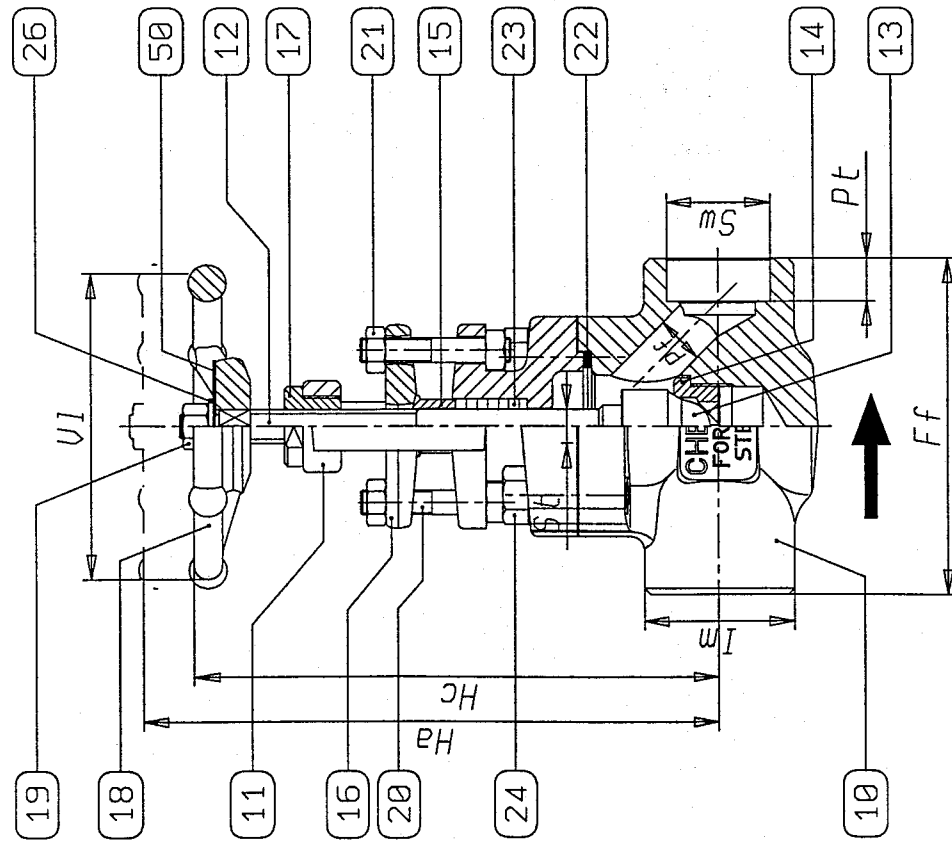
Client : Lurgi Oel Gas Chemie GmbH

Project Title : 2nd ZAGROS MegaMethanol Plant, Iran

Lurgi Contract-No. : 1.69690-10

Lurgi P.O.-No. : 4567569-000/1.69690/136

Dim.	Sw	Pt	Im	Pf	St	Hc	Ha	Ff	U1	Ut	ITEM NO.
1/2"	mm	21.7	10	33	9	9.5	140	152	80	90	1.7 kg
	in	0.85	0.39	1.30	0.35	3/8	5.51	5.98	3.15	3.54	3.7 lb
3/4"	mm	27.1	13	38	12.5	11.1	145	159	90	90	2.0 kg
	in	1.07	0.51	1.50	0.49	7/16	5.71	6.26	3.54	3.54	4.4 lb
1"	mm	33.7	14	49	17.5	12.7	166	182	110	100	3.2 kg
	in	1.33	0.55	1.93	0.69	1/2	6.54	7.17	4.33	3.94	7.0 lb
1.1/4"	mm	42.6	14	64	22.5	14.3	215	242	127	120	5.3 kg
	in	1.68	0.55	2.52	0.89	9/16	8.46	9.53	5.00	4.72	11.7 lb
1.1/2"	mm	48.6	14	64	30	15.9	242	274	145	140	7.8 kg
	in	1.91	0.55	2.52	1.18	5/8	9.53	10.79	5.71	5.51	17.2 lb
2"	mm	61.1	16	78	35	19.0	265	301	170	200	10.6 kg
	in	2.41	0.63	3.07	1.30	3/4	10.43	11.85	6.69	7.87	23.3 lb



APPLIC. STANDARD

BS 5352	10, max. 0.22% C
ASME B16.11	11, max. 0.22% C
BS 6755 (Pt.1)	max. up to +427 C
API 598	Rating to ASME B16.34
	MSS SP-25

NOTES

10, max. 0.22% C
11, max. 0.22% C
max. up to +427 C
Rating to ASME B16.34
MSS SP-25

PREPARED BY CA

APP. R.

DATE

REV.

2

APPROVED BY

15/03/02

2

COMPLETION DATE

17/03/05

1

REV. CUSTOMER CODE

U305

Globe valve - 1500c - Full B. - Bolted - SW

BX752-7p/SW

Std. pressure tests (BAR):SHELL 388, SEAT 285, AIR 6

REF QTY DESCRIPTION MATERIAL

10	1	Body	ASTM A105N
11	1	Bonnet	ASTM A105N
12	1	Stem	ASTM A182/F6a
13	1	Disk (Parabolic)	ASTM A182/F6a Stellite
14	1	Seat	ASTM A182/F6a Stellite
15	1	Packing gland	AISI 316
16	1	Gland flange	ASTM A182/F316
17	1	Stem nut	AISI 416
18	1	Handwheel	CARBON STEEL
19	1	Handwheel nut	CARBON STEEL
20	2	Gland stud	AISI 410
21	4	Gland nut	ASTM A194/2H
22	1	Spiral wound gasket	AISI 316+GRAPHITE
23	1	Packing	PREFORMED GRAPHITE
24	4	Body screw	ASTM A193/B16
26	1	Handwheel washer	CARBON STEEL
50	1	Identification plate	ALUMINIUM

Klaus Union P.O. No. : HH-02535

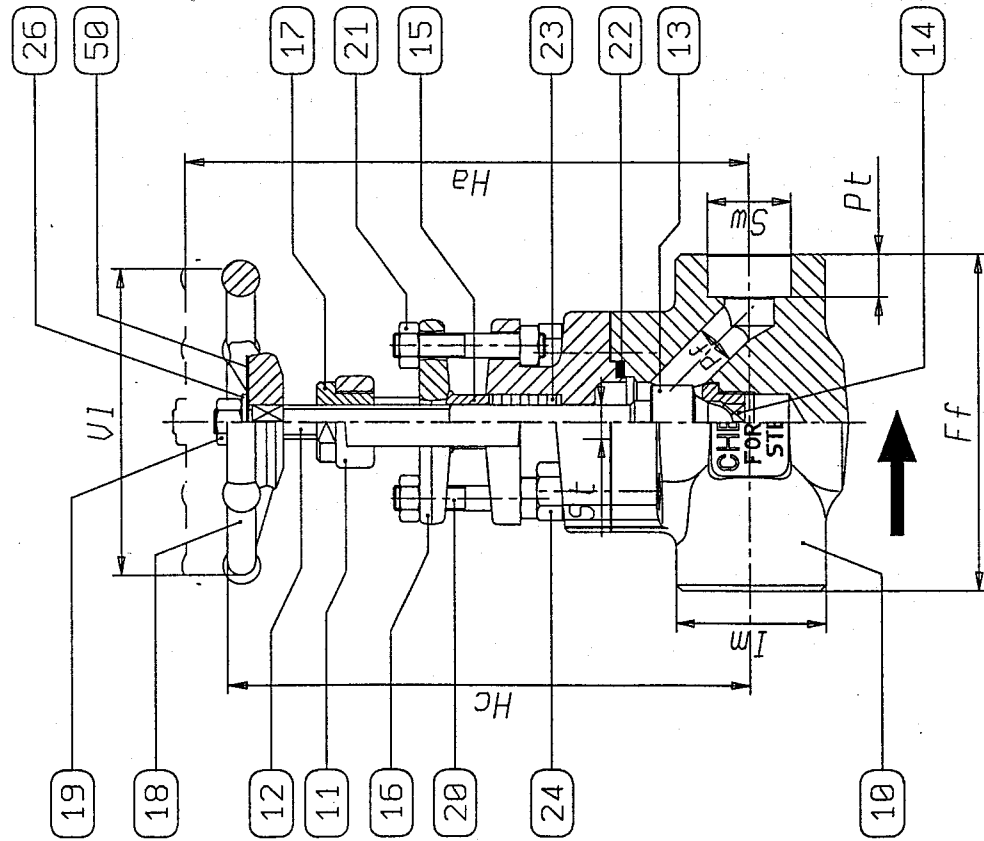
Client : Lurgi Oel Gas Chemie GmbH

Project Title : 2nd ZAGROS MegaMethanol Plant, Iran

Lurgi Contract-No. : 1.69690-10

Lurgi P.O.-No. : 4567569-000/1.69690/136

Dim.	Sw	Pt	Im	Pf	St	Hc	Ha	Ff	U1	U2	ITEM NO.
1/2"	mm	21,7	10	48	11,0	12,7	170	179	110	120	3,8 kg
	in	0,85	0,39	1,89	0,43	1/2	6,69	7,05	4,33	4,72	8,4 lb
3/4"	mm	27,1	13	57	14,5	15,9	200	214	127	140	5,7 kg
	in	1,07	0,51	2,24	0,57	5/8	7,87	8,43	5,00	5,51	12,5 lb
1"	mm	33,7	14	57	19,0	15,9	200	218	127	140	5,7 kg
	in	1,33	0,55	2,24	0,75	5/8	7,87	8,50	5,00	5,51	12,5 lb
1.1/2"	mm	48,6	14	78	31,0	19,0	231	255	170	225	11,8 kg
	in	1,91	0,55	3,07	1,22	3/4	9,09	10,04	6,69	8,86	26,0 lb
2"	mm	61,1	16	82	37,5	22,2	284	315	210	225	17,0 kg
	in	2,41	0,63	3,23	1,48	7/8	11,18	12,40	8,27	8,86	37,4 lb



APPLIC. STANDARD

BS 5352	10. max. 0.22% C
ASME B16.11	11. max. 0.22% C
BS 6755 (Pt.1)	max. up to ASME B16.34
API 598	Rating to ASME B16.34
BS 5352	MSS SP-25

NOTES

10. max. 0.22% C
11. max. 0.22% C
max. up to ASME B16.34
Rating to ASME B16.34
MSS SP-25

PREPARED BY: CA, APP. R. DATE: 05/02/96, REV. 3, APPROVED BY:

COMPLETION DATE: 17/03/05, REV. CUSTOMER CODE: U305

Regulating Globe valve - 1500c - Red.B. - Bolted - BU 160

X752-7p/B6

Std. pressure tests (BAR):SHELL 388, SEAT 285, AIR 6

REF QTY DESCRIPTION MATERIAL

10	1	Body	ASTM A182/F22 Cl.3
11	1	Bonnet	ASTM A182/F22 Cl.3
12	1	Stem	ASTM A182/F6a
13	1	Disk (Parabolic)	ASTM A182/F6a Stellite
14	1	Seat	ASTM A182/F6a Stellite
15	1	Packing gland	AISI 316
16	1	Gland flange	ASTM A182/F316
17	1	Stem nut	AISI 416
18	1	Handwheel	CARBON STEEL
19	1	Handwheel nut	CARBON STEEL
20	2	Gland stud	AISI 410
21	4	Gland nut	ASTM A194/2H
22	1	Spiral wound gasket	AISI 316+GRAPHITE
23	1	Packing	PREFORMED GRAPHITE
24	4	Body screw	ASTM A193/B16
26	1	Handwheel washer	CARBON STEEL
50	1	Identification plate	ALUMINIUM

Klaus Union P.O. No. : HH-02535

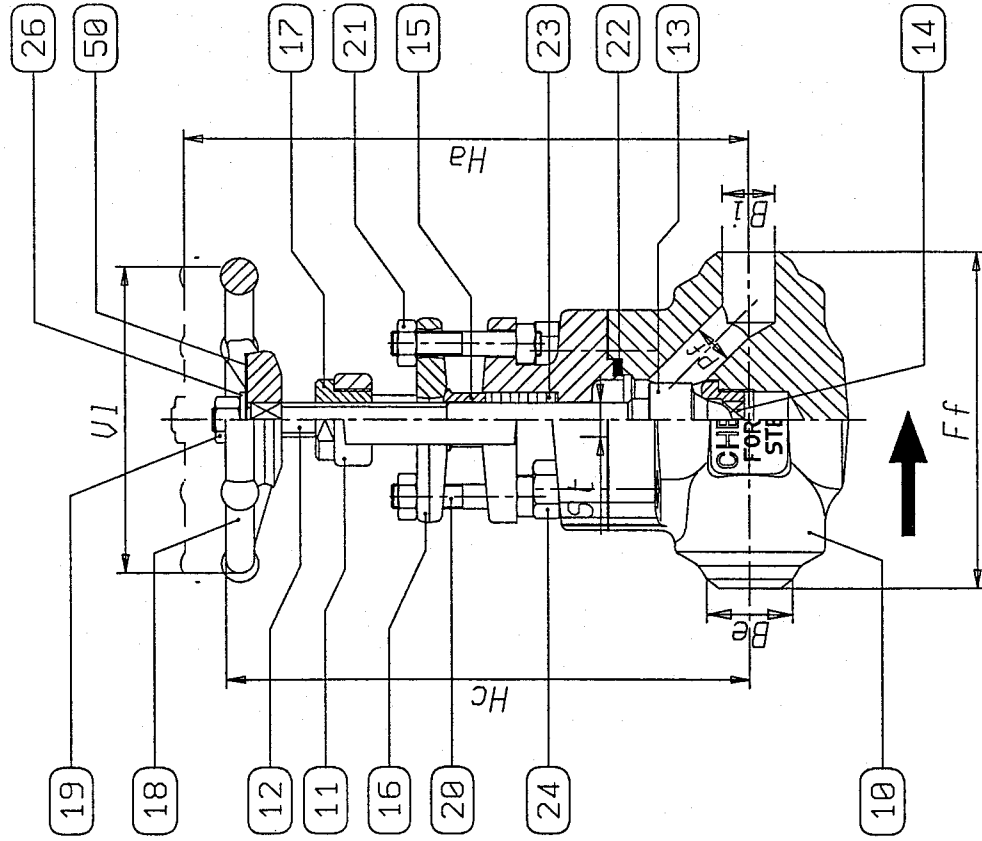
Client : Lurgi Del Gas Chemie GmbH

Project Title : 2nd ZAGROS MegaMethanol Plant, Iran

Lurgi Contract-No. : 1.69690-10

Lurgi P.O.-No. : 4567569-000/1.69690/136

Dim.	Bi	Be	Pf	St	Hc	Ha	Ff	U1	U2	ITEM NO.	
1/2"	mm	11,5	23	10	11,1	168	169	90	110	2,4	kg
	in	0,45	0,91	0,39	7/16	6,30	6,65	3,54	4,33	5,3	lb
3/4"	mm	15,0	28	13	11,1	167	181	110	110	3,7	kg
	in	0,59	1,10	0,51	7/16	6,57	7,13	4,33	4,33	8,1	lb
1"	mm	20,5	35	18	14,3	194	210	127	120	5,5	kg
	in	0,81	1,38	0,71	9/16	7,64	8,27	5,00	4,72	12,1	lb
1.1/4"	mm	29,0	44	23	15,9	226	246	155	140	8,3	kg
	in	1,14	1,73	0,91	5/8	8,90	9,69	6,10	5,51	18,3	lb
1.1/2"	mm	33,5	50	28	15,9	231	255	170	140	11,4	kg
	in	1,32	1,97	1,10	5/8	9,09	10,04	6,69	5,51	25,1	lb
2"	mm	43,0	62	32	19,0	276	307	210	175	16,8	kg
	in	1,69	2,44	1,26	3/4	10,87	12,09	8,27	6,89	37,0	lb



DIMENSIONS

1/2"	X752p/B6
3/4"	X753p/B6
1"	X754p/B6
1.1/4"	X755p/B6
1.1/2"	X756p/B6

APPLIC. STANDARD

BS 5352-API 602
ASME B16.25
API 598

NOTES

Add. test to ASME B16.34 P.8
max. up ASME B16.34
MSS SP-25

PREPARED BY

CA

APP. R.

05/02/96

DATE

REV.

6

APPROVED BY

U481

COMPLETION DATE

17/03/05

REV.

1

CUSTOMER CODE

U481

DESCRIPTION

"Regulating plug" Globe valve - 800 - Red.B. - Bolted - SW

DRAWING

R352-7p/SU

Std. pressure tests (BAR):SHELL 211, SEAT 155, AIR 6

REF QTY DESCRIPTION

MATERIAL

10	1	Body	ASTM A105N
11	1	Bonnet	ASTM A105N
12	1	Stem	ASTM A182/F6a
13	1	Disk (parabolic)	ASTM A182/F6a Stellite
14	1	Seat	ASTM A182/F6a Stellite
15	1	Packing gland	AISI 316
16	1	Gland flange	ASTM A105N
17	1	Stem nut	AISI 416
18	1	Handwheel	CARBON STEEL
19	1	Handwheel nut	CARBON STEEL
20	2	Gland stud	AISI 410
21	4	Gland nut	ASTM A194/2H
22	1	Spiral wound gasket	AISI 316+GRAPHITE
23	1	Packing	PREFORMED GRAPHITE
24	4	Body screw	ASTM A193/B7
26	1	Handwheel washer	CARBON STEEL
50	1	Identification plate	ALUMINIUM

Klaus Union P.O. No. : HH-02535

Client : Lurgi Oel Gas Chemie GmbH

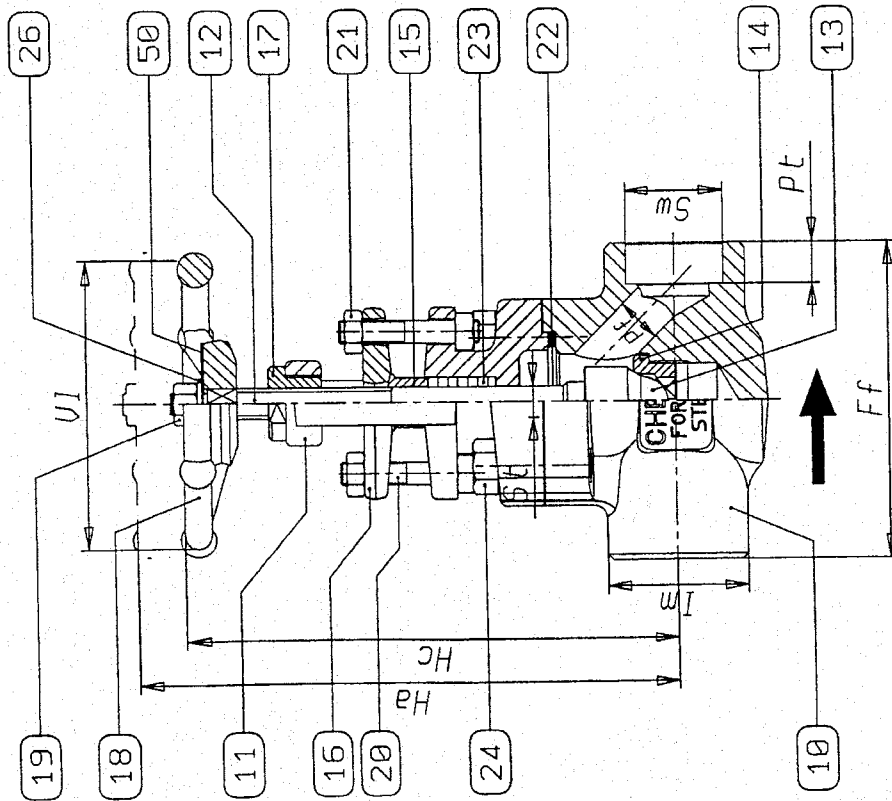
Project Title : 2nd ZAGROS MegaMethanol Plant, Iran

Lurgi Contract-No. : 1.69690-10

Lurgi P.O.-No. : 4567569-000/1.69690/136

Dim.	Sw	Pt	Im	PF	St	Hc	Ha	Ff	VI	Ut	ITEM NO.
1/2"	mm	21.7	18	33	9	9.5	140	152	80	90	1.7
	in	0.85	0.71	1.30	0.35	3/8	5.51	5.98	3.15	3.54	3.7
3/4"	mm	27.1	13	38	12.5	11.1	145	159	90	90	2.0
	in	1.07	0.51	1.50	0.49	7/16	5.71	6.26	3.54	3.54	4.4
1"	mm	33.7	14	49	17.5	12.7	166	182	110	108	3.2
	in	1.33	0.55	1.93	0.69	1/2	6.54	7.17	4.33	3.94	7.0
1.1/4"	mm	42.6	14	64	22.5	14.3	215	242	127	128	5.3
	in	1.68	0.55	2.52	0.89	9/16	8.46	9.53	5.00	4.72	11.7
1.1/2"	mm	48.6	14	64	30	15.9	242	274	145	140	7.8
	in	1.91	0.55	2.52	1.18	5/8	9.53	10.79	5.71	5.51	12.2
2"	mm	51.1	15	78	35	19.0	265	301	170	200	10.6
	in	2.41	0.63	3.07	1.38	3/4	10.43	11.85	6.69	7.87	23.3

290 + 380



NOTES

- 10. max. 0.22% C
- 11. max. 0.22% C
- max. up to +427 C
- Rating to ASME B16.34
- MSS SP-25

APPLIC. STANDARD

BS 5352
ASME B16.11
BS 6755 (Pt.1)
API 598

DIMENSIONS

1/2" R352p/SU
3/4" R353p/SU
1" R354p/SU
1.1/4" R355p/SU
1.1/2" R356p/SU
2" R357p/SU

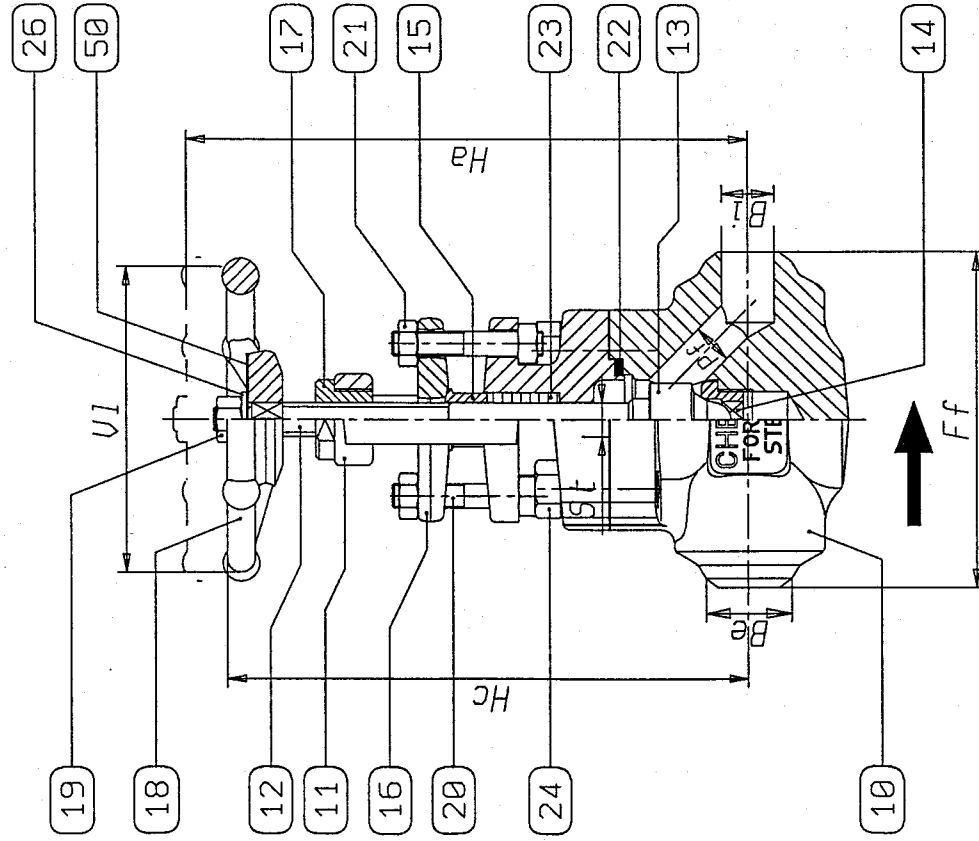
PREPARED BY: CA, APP. R. DATE: 15/03/02, REV. APPROVED BY: 2

COMPLETION DATE: 17/03/05, REV. CUSTOMER CODE: U305



"Regulating plug" Globe valve - 1500c - Red.B. - Bolted - BU 160

X752-7p/B6



Std. pressure tests (BAR):SHELL 388, SEAT 285, AIR 6

REF QTY	DESCRIPTION	MATERIAL
10	1 Body	ASTM A182/F22 Cl.3
11	1 Bonnet	ASTM A182/F22 Cl.3
12	1 Stem	ASTM A182/F6a
13	1 Disk (Parabolic)	ASTM A182/F6a Stellite
14	1 Seat	ASTM A182/F6a Stellite
15	1 Packing gland	AISI 316
16	1 Gland flange	ASTM A182/F316
17	1 Stem nut	AISI 416
18	1 Handwheel	CARBON STEEL
19	1 Handwheel nut	CARBON STEEL
20	2 Gland stud	AISI 410
21	4 Gland nut	ASTM A194/2H
22	1 Spiral wound gasket	AISI 316+GRAPHITE
23	1 Packing	PREFORMED GRAPHITE
24	4 Body screw	ASTM A193/B16
26	1 Handwheel washer	CARBON STEEL
50	1 Identification plate	ALUMINIUM

Klaus Union P.O. No. : HH-02535-01

Client : Lurgi Oel Gas Chemie GmbH

Project Title : 2nd ZAGROS Megamethanol Plant, Iran

Lurgi Contract-No. : 1.69690-10

Lurgi P.O.-No. : 4569247-000/1.69690/136

Dim.	Bi	Be	Pf	St	Hc	Ha	Ff	U1	U2	ITEM NO.
1/2"	mm 11,5	23	10	11,1	160	169	90	110	2,4	kg
	in 0,45	0,91	0,39	7/16	6,30	6,65	3,54	4,33	5,3	lb
3/4"	mm 15,0	28	13	11,1	167	181	110	110	3,7	kg
	in 0,59	1,10	0,51	7/16	6,52	7,13	4,33	4,33	8,1	lb
1"	mm 20,5	35	18	14,3	194	210	127	120	5,5	kg
	in 0,81	1,39	0,71	9/16	7,64	8,27	5,00	4,72	12,1	lb
1.1/4"	mm 29,0	44	23	15,9	226	246	155	140	8,3	kg
	in 1,14	1,73	0,91	5/8	8,90	9,69	6,10	5,51	18,3	lb
1.1/2"	mm 33,5	50	28	15,9	231	255	170	140	11,4	kg
	in 1,32	1,97	1,10	5/8	9,09	10,04	6,69	5,51	25,1	lb
2"	mm 43,0	62	32	19,8	276	307	210	175	16,8	kg
	in 1,69	2,44	1,26	3/4	10,87	12,09	8,27	6,89	37,0	lb

DIMENSIONS

APPLIC. STANDARD

BS 5352-API 602

ASME B16.25

API 598

1/2" X752p/B6

3/4" X753p/B6

1" X754p/B6

1.1/4" X755p/B6

1.1/2" X756p/B6

2" X757p/B6

NOTES

Add. test to ASME B16.34 P.8

max. up to +538 C

Rating to ASME B16.34

MSS SP-25

PREPARED BY

CA

APP.R.

DATE

05/02/96

REV.

APPROVED BY

COMPLETION DATE

02/02/05

REV.

CUSTOMER CODE

U481

KLAUS
UNION