

DESCRIPTION

Piston check - 800 - Full B. - Bolted - SW

DRAWING

FP410-7/SW

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

REF QTY	DESCRIPTION	MATERIAL
10	1 Body	ASTM A105N
11	1 Cover	ASTM A105N
13	1 Piston	ASTM A182/F6a
14	1 Seat	ASTM A182/F6a
22	1 Spiral wound gasket	AISI 316+GRAPHITE
24	4 Body screw	ASTM A193/B7
28	1 Return spring	STAINLESS STEEL 316
50	1 Identification plate	ALUMINIUM

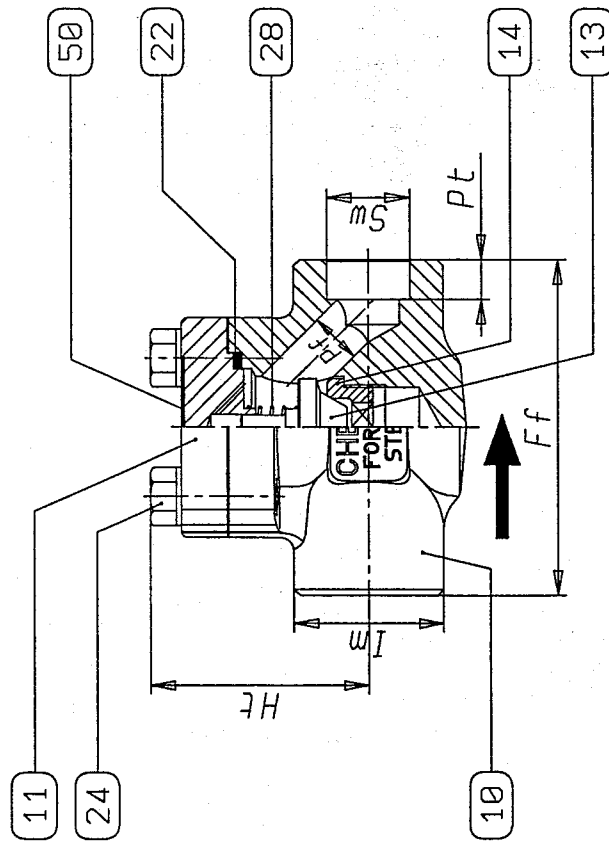
Klaus Union P.O. No. : HH-02535

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	Hc	Ff	Ut	ITEM NO.
1/4"	14	10	33	6.5	50	80	1.1	kg
	in	0.56	0.39	1.30	0.26	1.97	3.15	2.4 lb
3/8"	18	10	33	9	50	80	1.1	kg
	in	0.69	0.39	1.30	0.35	1.97	3.15	2.4 lb
1/2"	22	10	38	12.5	56	90	1.8	kg
	in	0.85	0.39	1.50	0.49	2.20	3.54	4.0 lb
3/4"	27	13	49	17.5	74	110	2.6	kg
	in	1.07	0.51	1.93	0.69	2.91	4.33	5.7 lb
1"	34	14	57	22.5	79	127	3.6	kg
	in	1.33	0.55	2.24	0.89	3.11	5.00	7.9 lb
1.1/4"	43	14	67	28	100	155	5.5	kg
	in	1.68	0.55	2.64	1.10	3.94	6.10	12.1 lb
1.1/2"	49	14	78	32	109	170	8.4	kg
	in	1.91	0.55	3.07	1.26	4.29	6.69	18.5 lb
2"	61	16	87	38	135	210	11.8	kg
	in	2.41	0.63	3.23	1.50	5.31	8.27	26.0 lb

APPLIC. STANDARD

1/4" FP410/SW
3/8" FP411/SW
1/2" FP412/SW
3/4" FP413/SW
1" FP414/SW
1.1/4" FP415/SW
1.1/2" FP416/SW

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

05/02/96

REV.

3

APPROVED BY

17/03/05

REV.

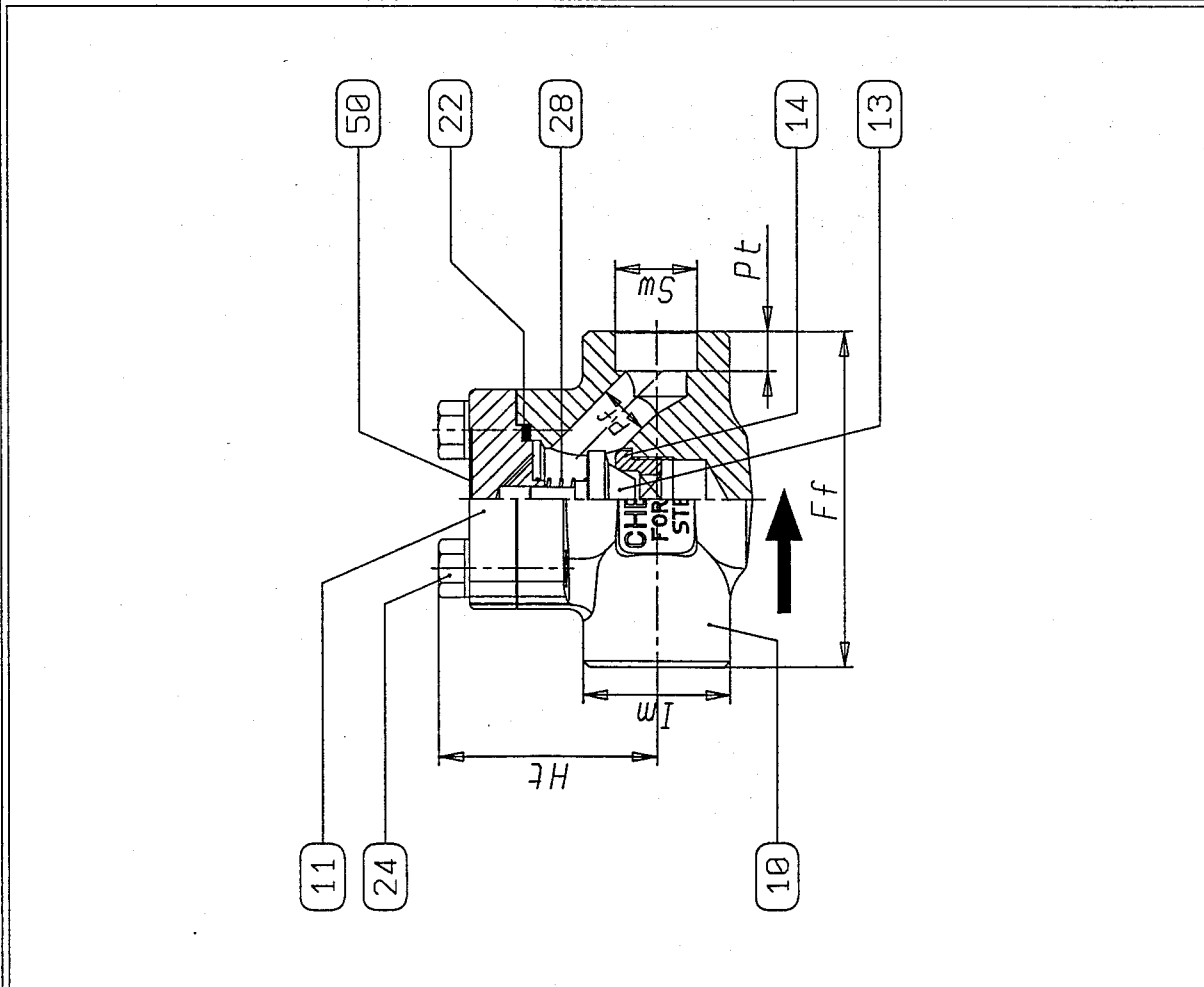
1

CUSTOMER CODE

RV350

Piston check - 800 - Full B. - Bolted - SW

FP410-7/SW



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

REF	QTY	DESCRIPTION	MATERIAL
10	1	Body	ASTM A105N
11	1	Cover	ASTM A105N
13	1	Piston	ASTM A182/F6a Stellite
14	1	Seat	ASTM A182/F6a Stellite
22	1	Spiral wound gasket	AISI 316+GRAPHITE
24	4	Body screw	ASTM A193/B7
28	1	Return spring	STAINLESS STEEL 316
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	Hc	Ff	Uf	ITEM NO.
1/4"	mm	14	10	33	6.5	50	80	1.1 kg
	in	0.56	0.39	1.30	0.26	1.97	3.15	2.4 lb
3/8"	mm	18	10	33	9	50	80	1.1 kg
	in	0.69	0.39	1.30	0.35	1.97	3.15	2.4 lb
1/2"	mm	22	10	38	12.5	56	90	1.8 kg
	in	0.85	0.39	1.50	0.49	2.20	3.54	4.0 lb
3/4"	mm	27	13	49	17.5	74	110	2.6 kg
	in	1.07	0.51	1.93	0.69	2.91	4.33	5.7 lb
1"	mm	34	14	57	22.5	79	127	3.6 kg
	in	1.33	0.55	2.24	0.89	3.11	5.00	7.9 lb
1.1/4"	mm	43	14	67	28	100	155	5.5 kg
	in	1.68	0.55	2.64	1.10	3.94	6.10	12.1 lb
1.1/2"	mm	49	14	78	32	109	170	8.4 kg
	in	1.91	0.55	3.07	1.26	4.29	6.69	18.5 lb
2"	mm	61	16	82	38	135	210	11.8 kg
	in	2.41	0.63	3.23	1.50	5.31	8.27	26.0 lb

DIMENSIONS

1/4" FP410/SU
3/8" FP411/SU
1/2" FP412/SU
3/4" FP413/SU
1" FP414/SU
1.1/4" FP415/SU
1.1/2" FP416/SU
2" FP417/SU

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

PREPARED BY

CA

APP. R. DATE

05/02/96

REV.

3

APPROVED BY

COMPLETION DATE

17/03/05

REV. CUSTOMER CODE

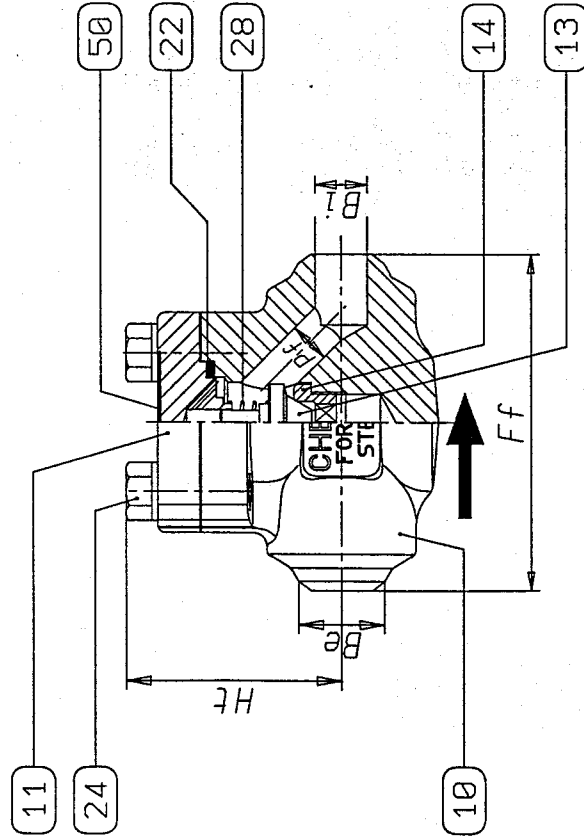
RV355

DESCRIPTION

Piston check - 1500c - Full.B. - Bolted - BW 80

DRAWING

BXP852-7/B8



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

REF	QTY	DESCRIPTION	MATERIAL
10	1	Body	ASTM A182/F11 Cl.2
11	1	Cover	ASTM A182/F11 Cl.2
13	1	Piston	ASTM A182/F6a Stellite
14	1	Seat	ASTM A182/F6a Stellite
22	1	Spiral wound gasket	AISI 316+GRAPHITE
24	4	Body screw	ASTM A193/B16
28	1	Return spring	STAINLESS STEEL 316
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. Bi Be Pf Ht Ff Wt ITEM NO.

1" mm 24,3 35 19 79 127 4,1 kg 340
in 0,95 1,38 0,75 3,11 5,00 9,0 lb

NOTES

max. up to +538 C
Rating to ASME B16.34
MSS SP-25

APPLIC. STANDARD

BS 5352
ASME B16.25
API 598

DIMENSIONS

1/2" BXP852/B8
3/4" BXP853/B8
1" BXP854/B8
1 1/2" BXP856/B8

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

COMPLETION DATE 17/03/05 REV. CUSTOMER CODE RU472

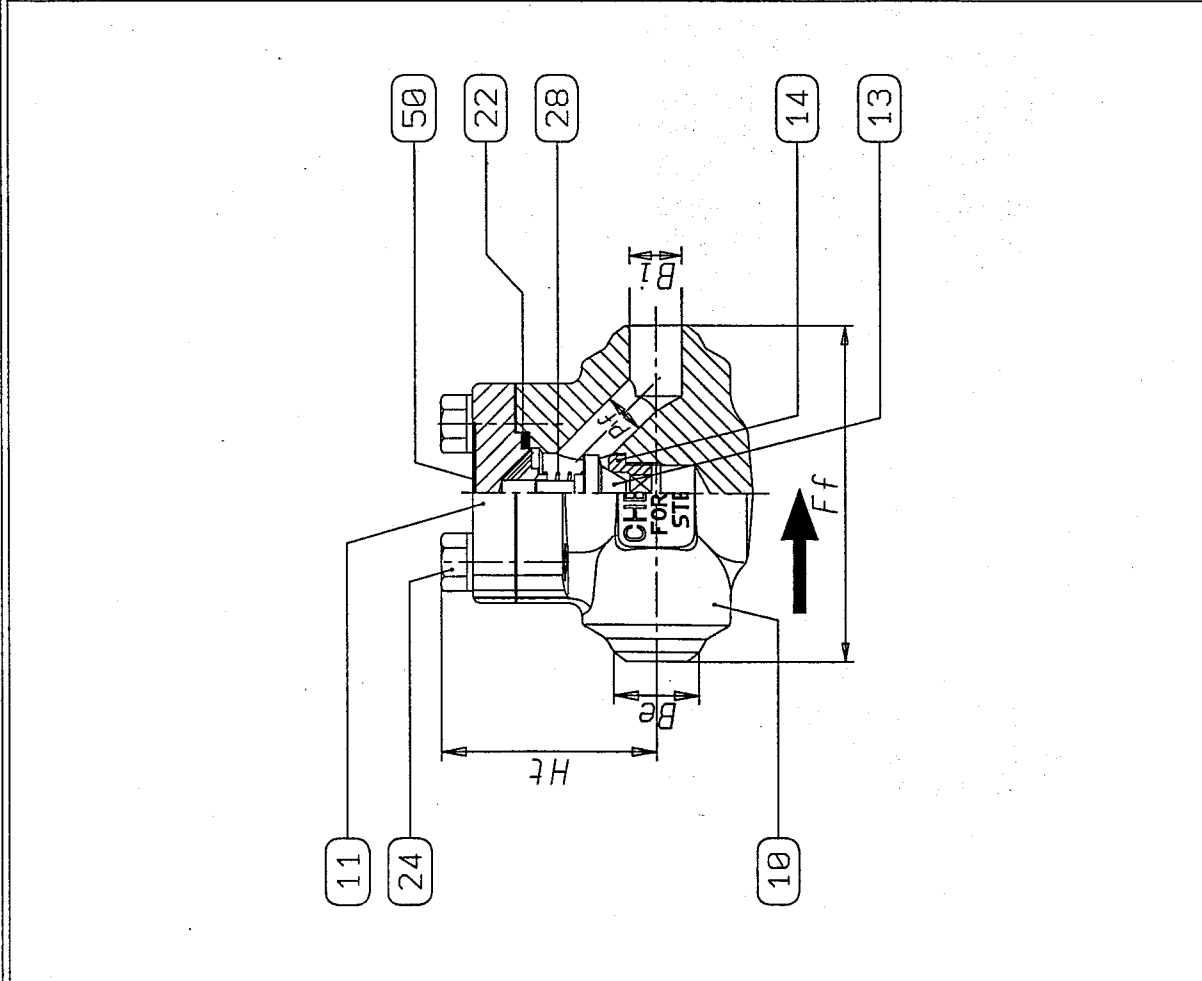


DESCRIPTION

Piston check - 1500c - Full.B. - Bolted - BU 80

DRAWING

BXP852-7/B8



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

REF QTY	DESCRIPTION	MATERIAL
10	1 Body	ASTM A182/F22 Cl.3
11	1 Cover	ASTM A182/F22 Cl.3
13	1 Piston	ASTM A182/F6a Stellite
14	1 Seat	ASTM A182/F6a Stellite
22	1 Spiral wound gasket	AISI 316+GRAPHITE
24	4 Body screw	ASTM A193/B16
28	1 Return spring	STAINLESS STEEL 316
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. Bi Be Pf Ht Ff Ut Item No.

1"	mm	24,3	35	19	79	127	4,1	kg	350
	in	0,95	1,38	0,75	3,11	5,00	0,0	lb	

NOTES

max. up to +538 C
Rating to ASME B16.34
MSS SP-25

APPLIC. STANDARD

BS 5352
ASME B16.25
API 598
1.1/2" BXP856/B8

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

COMPLETION DATE 17/03/05 REV. CUSTOMER CODE

RV491

