

Tagging
Pos.-Nr.:
DN: PN:
D: d:
Material:

Facings:

Standard ≤ PN 40
≥ PN 63 E

① n. DIN EN 1092-1

Z

FE-20013

D = 258,8

d = 142,83

Di = D + 1 mm for DN < 125
Di = D + 2 mm for DN 125 - 400
Di = D + 4 mm for DN > 400

Tap position acc. to DIN 19205 Table 7

Standard design will cover:

Nr. 2,3,12 i.e. 0°

and can be converted to design

Nr. 1,10,11,13

☐ Steam service vertical (up-flow)

Nr. 6 i.e. 180°*

can be converted to design

Nr. 4,8

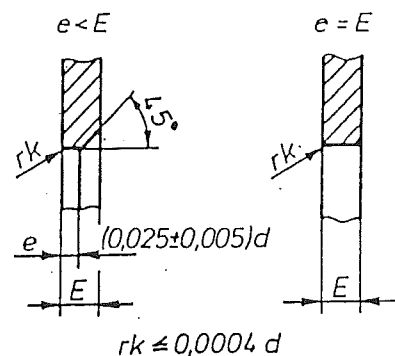
☐ Steam service vertical (down-flow)

Nr. 7 i.e. 180°*

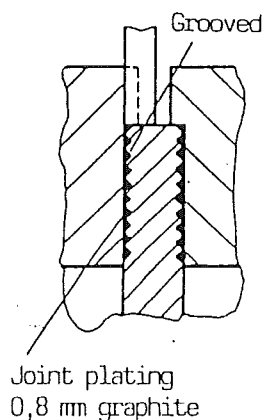
can be converted to design

Nr. 5,9

* For vertical pipe lines the lower tap must have an offset up to the same centerline elevation as upper tap



X



DN	DA						E
	10	16	25	40	64	100	
50	107	107	107	107	113	119	2,5
65	127	127	127	127	138	144	3
80	142	142	142	142	148	154	4
100	162	162	168	168	174	180	4
125	192	192	194	194	210	217	6
150	218	218	224	224	247	257	6
(175)	—	248	254	265	277	287	6
200	273	273	284	290	309	324	6
250	328	329	340	352	364	391	6
300	378	384	400	417	424	458	6
350	438	444	457	474	486	512	6
400	489	495	514	546	543	572	6
500	594	617	624	628	657	704	8

Client : Air Liquide
Order No.: 4500024259
Job No.: 19494-115-04

Maße o. Toleranzangabe nach DIN 7168

Te. Büro	Datum	Name	Änderungen	Werkst. Nr.	Himpe H 4708 Kamen
Gezeichnet	13.9.93	—		316SS/ Flonol	
Geprüft	16.9.93	—			
Maßstab	Standard orifice plate with carrier rings Design A according to DIN 19205 PN 10 - 100 Facing Form C and E acc. DIN 2526				Zeichn. Nr. 12303E Ausgabe 5/99

Customer : Air Liquide AGS GmbH Comm.-No. : 19494-115-04/1
Order-No. : 4500024259 Quantity : 1
Material : 316Ti/2.4360/1.4571 Drawing : 12303


Tag-No. : FE20013 Object : ring chamber

The above mentioned objects are competent manufactured under the attention of the order and the represented technical specifications as well as under the settled materials. This is carried out in accordance of certified qm-systems to ISO 9001:2000.

The inspection takes place under the defined location of 0035 TUEV Industrie Services GmbH-TUEV Rheinland Group.

Marking and stamping

Pos	Qty	Designation	Dimension	Material	Heat	Reg.No.	EN
							10204
1	2	ring chamber	DN250/PN40 B	316Ti	53451	17145	3.1B
2	1	plate	DN250/PN40	2.4360	TOY4186	15292	3.1B
3	2	tap	G1/2"Vx40	1.4571	157040	15426	3.1B
4	2	pipe	D17,2x3,6x11	1.4571	49221	14446	3.1B
5	4	threaded fla	G1/2"	1.4571	210058	15578	3.1B
6	2	valve	DN8/PN160	1.4571	7.20	15852	* 3.1B

The original marking from the manufacture was re-stamped by the RW TUEV adequate the placed stamping-license from 18.12.2000 test no. 20420012. The restamping of small parts which are seized with 3.1 A/C EN 10204 are stamped with 


*The from supplier served product/s is/are marked with the manufacture sign and the authorized stamp.

The weldings of the mentioned objects are produced according AD-Merkblatt HP 0. Valid welding procedure qualifications according AD-Merkblatt HP2/1 and EN 288 are employed. The weldings are produced by qualified welders according DIN EN 287 and marked with weldersstamp.

Inspection and dimensional control: without objection PRI

Sequel tests without complaint practicability

X State of cleaning and packing


J. Primbsch, Works Inspector

Tap position acc. to DIN 19205 Table 7

Standard design will cover:

Nr. 2,3,12 i.e. 0°

and can be converted to design

Nr. 1,10,11,13

☐ Steam service vertical (up-flow)

Nr. 6 i.e. 180°*

can be converted to design

Nr. 4,8

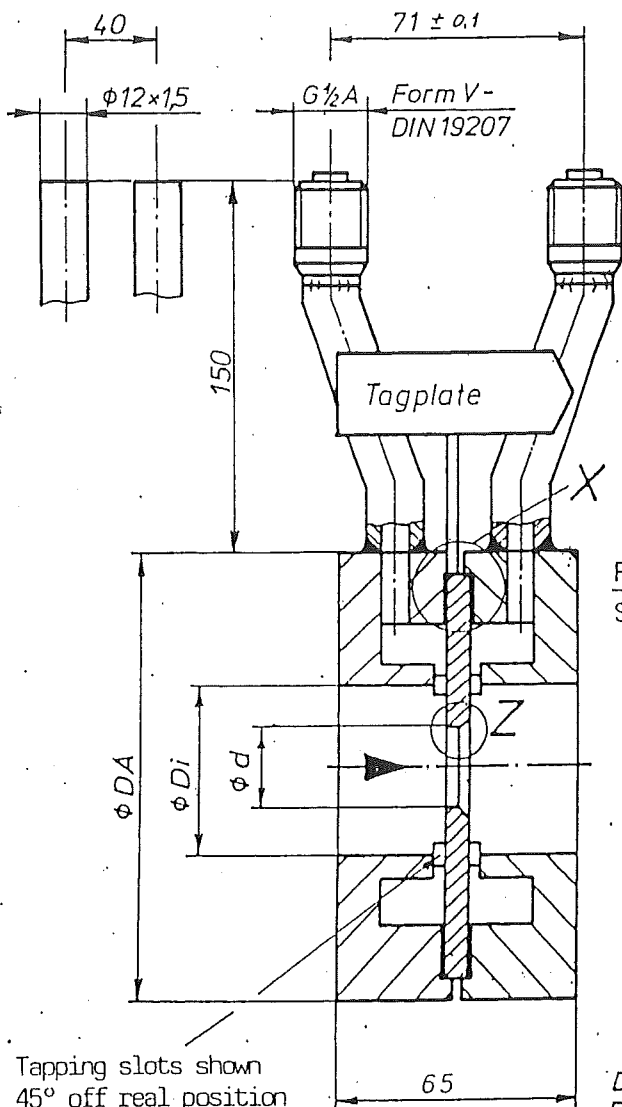
☐ Steam service vertical (down-flow)

Nr. 7 i.e. 180°*

can be converted to design

Nr. 5,9

* For vertical pipe lines the lower tap must have an offset up to the same centerline elevation as upper tap



Tagging

Pos.-Nr.:

DN:

D:

Material:

PN:

d:

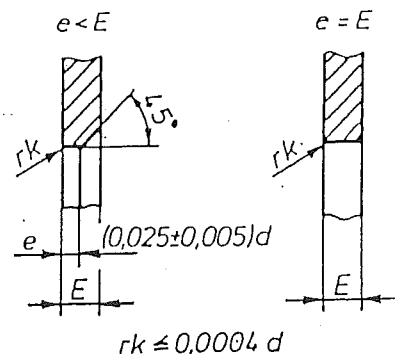
Facings:

Standard \approx PN 40 *BA 10. DIN EN 1092-1*
 \geq PN 63 E *Z*

FE70041

D = 339,6

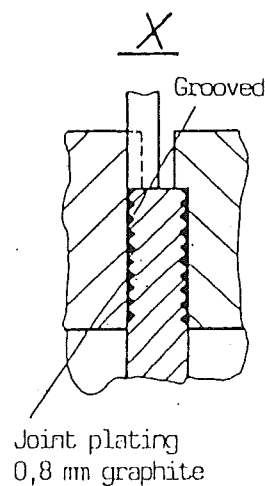
d = 217,14



Tapping slots shown
45° off real position

$D_i = D + 1 \text{ mm}$ for $DN < 125$
 $D_i = D + 2 \text{ mm}$ for $DN 125 - 400$
 $D_i = D + 4 \text{ mm}$ for $DN > 400$

DN	Nom. pressure						E
	10	16	25	40	64	100	
50	107	107	107	107	113	119	2,5
65	127	127	127	127	138	144	3
80	142	142	142	142	148	154	4
100	162	162	168	168	174	180	4
125	192	192	194	194	210	217	6
150	218	218	224	224	247	257	6
(175)	—	248	254	265	277	287	6
200	273	273	284	290	309	324	6
250	328	329	340	352	364	391	6
300	378	384	400	417	424	458	6
350	438	444	457	474	486	512	6
400	489	495	514	546	543	572	6
500	594	617	624	628	657	704	8



Client : *Air Liquide*
Order No. : *4500024259*
Job No. : *19494-715-04*

Maße o. Toleranzangabe nach DIN 7168

Te. Büro	Datum	Name	Änderungen	Werkst. Nr.	Himpe H 4708 Kamen
Gezeichnet	13.9.93	<i>5-08</i>		316SS	
Geprüft	16.9.93	<i>11</i>			
Maßstab		Standard orifice plate with carrier rings Design A according to DIN 19205 PN 10 - 100 Facing Form C and E acc. DIN 2526			Zeichn. Nr. 12303E Ausgabe 5/99

Customer : Air Liquide AGS GmbH Comm.-No. : 19494-115-04/2
Order-No. : 4500024259 Quantity : 1
Material : 316Ti/2.4360/1.4571 Drawing : 12303


Tag-No. : FE70041 Object : ring chamber

The above mentioned objects are competent manufactured under the attention of the order and the represented technical specifications as well as under the settled materials. This is carried out in accordance of certified qm-systems to ISO 9001:2000.

The inspection takes place under the defined location of 0035 TUEV Industrie Services GmbH-TUEV Rheinland Group.

Marking and stamping

Pos	Qty	Designation	Dimension	Material	Heat	Reg.No.	EN
							10204
1	2	ring chamber	DN350/PN25 B	316Ti	53451	17145	3.1B
2	1	plate	DN350/PN25	316Ti	T341131	16918	3.1B
3	2	tape	G1/2"Vx40	1.4571	157040	15426	3.1B
4	2	pipe	D17,2x3,6x11	1.4571	49221	14446	3.1B
5	4	threaded fla	G1/2"	1.4571	210058	15578	3.1B
6	2	valve	DN8/PN160	1.4571	7.20	15852	* 3.1B

The original marking from the manufacture was re-stamped by the RW TUEV adequate the placed stamping-license from 18.12.2000 test no. 20420012. The restamping of small parts which are seized with 3.1 A/C EN 10204 are stamped with 

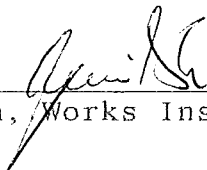
*The from supplier served product/s is/are marked with the manufacture sign and the authorized stamp.

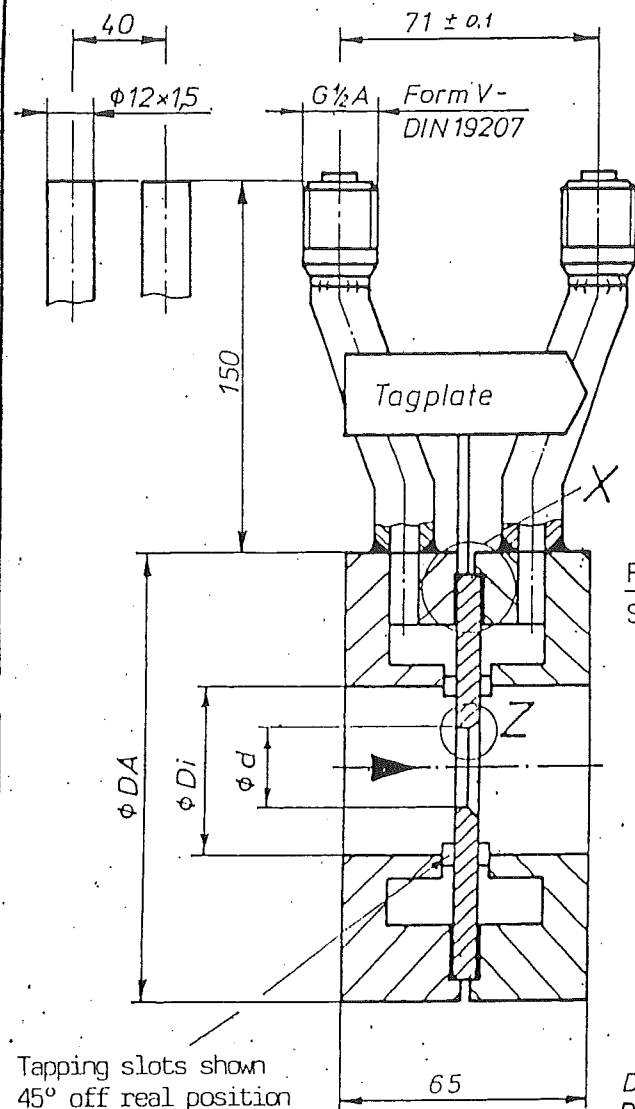
The weldings of the mentioned objects are produced according AD-Merkblatt HP 0. Valid welding procedure qualifications according AD-Merkblatt HP2/1 and EN 288 are employed. The weldings are produced by qualified welders according DIN EN 287 and marked with weldersstamp.

Inspection and dimensional control: without objection PRI

Sequel tests without complaint practicability

X State of cleaning and packing


J. Primbsch, Works Inspector



Tagging

Pos.-Nr.:

DN:

D:

Material:

PN:

d:

Tap position acc. to DIN 19205 Table 7

Standard design will cover:

Nr. 2,3,12 i.e. 0°

and can be converted to design

Nr. 1,10,11,13

☐ Steam service vertical (up-flow)

Nr. 6 i.e. 180°*

can be converted to design

Nr. 4,8

☐ Steam service vertical (down-flow)

Nr. 7 i.e. 180°*

can be converted to design

Nr. 5,9

* For vertical pipe lines the lower tap must have an offset up to the same centerline elevation as upper tap

Facings:

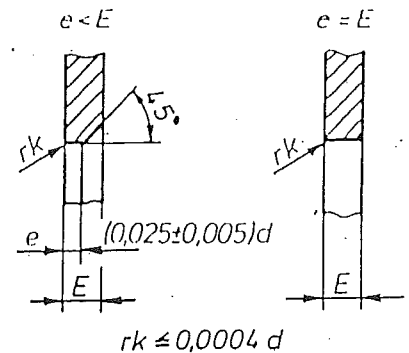
Standard \leq PN 40

\geq PN 63 E

FE-20003

① = 107, 1

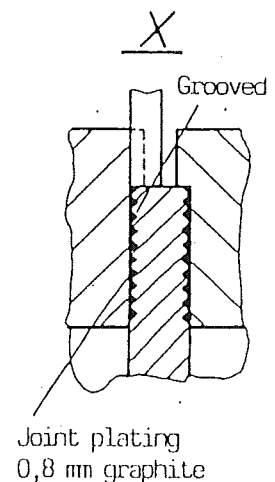
OL = 60,47



Tapping slots shown
45° off real position

$D_i = D + 1 \text{ mm}$ for $DN < 125$
 $D_i = D + 2 \text{ mm}$ for $DN 125 - 400$
 $D_i = D + 4 \text{ mm}$ for $DN > 400$

DN	DA						E
	10	16	25	40	64	100	
50	107	107	107	107	113	119	2,5
65	127	127	127	127	138	144	3
80	142	142	142	142	148	154	4
100	162	162	168	168	174	180	4
125	192	192	194	194	210	217	6
150	218	218	224	224	247	257	6
(175)	—	248	254	265	277	287	6
200	273	273	284	290	309	324	6
250	328	329	340	352	364	391	6
300	378	384	400	417	424	458	6
350	438	444	457	474	486	512	6
400	489	495	514	546	543	572	6
500	594	617	624	628	657	704	8



Client : Air Liquide
Order No. : 4500224259
Job No. : 19494-115-04

Maße o. Toleranzangabe nach DIN 7168

Ze. Büro	Datum	Name	Änderungen	Werkst. Nr.	Himpe H 4708 Kamen
Gezeichnet	13.9.93	5-28		316SS	
Geprüft	16.9.93	KL			
Maßstab		Standard orifice plate with carrier rings Design A according to DIN 19205 PN 10 - 100 Facing Form C and E acc. DIN 2526			Zeichn. Nr. 12303E Ausgabe 5/99

Customer : Air Liquide AGS GmbH Comm.-No. : 19494-115-04/3
Order-No. : 4500024259 Quantity : 1
Material : 316Ti/2.4360/1.4571 Drawing : 12303


Tag-No. : FE20003 Object : ring chamber

The above mentioned objects are competent manufactured under the attention of the order and the represented technical specifications as well as under the settled materials. This is carried out in accordance of certified qm-systems to ISO 9001:2000.

The inspection takes place under the defined location of 0035 TUEV Industrie Services GmbH-TUEV Rheinland Group.

Marking and stamping

Pos	Qty	Designation	Dimension	Material	Heat	Reg.No. EN	
						10204	
1	2	ring chamber	DN100/PN40 B	316Ti	215889	16514	3.1B
2	1	plate	DN100/PN40	316Ti	T033050	16572	3.1B
3	2	tape	G1/2"Vx40	1.4571	157040	15426	3.1B
4	2	pipe	D17,2x3,6x11	1.4571	49221	8211	3.1B
5	4	threaded fla	G1/2"	1.4571	210058	15578	3.1B
6	2	valve	DN8/PN160	1.4571	7.20	15852	* 3.1B

The original marking from the manufacture was re-stamped by the RW TUEV adequate the placed stamping-license from 18.12.2000 test no. 20420012. The restamping of small parts which are seized with 3.1 A/C EN 10204 are stamped with 

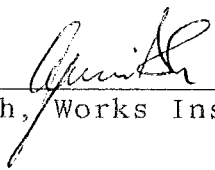
*The from supplier served product/s is/are marked with the manufacture sign and the authorized stamp.

The weldings of the mentioned objects are produced according AD-Merkblatt HP 0. Valid welding procedure qualifications according AD-Merkblatt HP2/1 and EN 288 are employed. The weldings are produced by qualified welders according DIN EN 287 and marked with weldersstamp.

Inspection and dimensional control: without objection PRI

Sequel tests without complaint practicability

X State of cleaning and packing


J. Primbsch, Works Inspector

G 5/8

LM 12 x 70 - DIN 2510 part 3

packing ring type B
packing groove GBL 25601

1.4571

≤ 0,1

special packing lens
mat.: soft iron

G 1/2

M 10 x 45 - DIN 2510 part 1

NF M 12 - DIN 2510
part 5

M 10 DIN 934

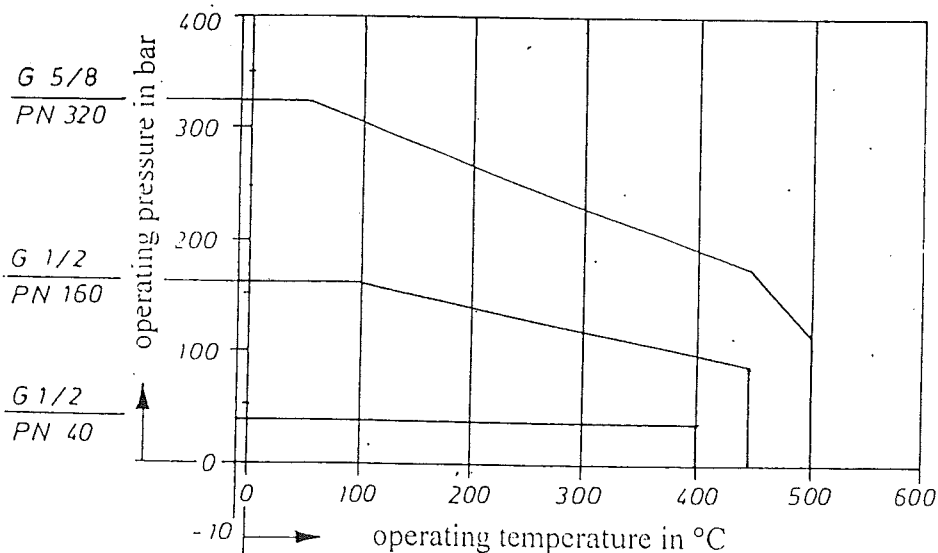
52

70

70

90

Type	Dimension	PN	flange	Material screws	nuts
FHZ 53	G 1/2	40	1.0460	8.8	8
FHZ 54		160		1.1181	1.0501
FHZ 55		160		A2- 70	A2
FHZ 56	G 5/8	320	1.5415	1.7709	1.7258



Client

: Air Liquide

Order-No. :

4500024259

Comm.-No.:

19094-715-04

Maße o. Toleranzangabe nach DIN 2768. g

Te. Büro

Datum

Name

Änderungen

Werkst. Nr.

Gezeichnet

23. 6. 80

M. Jost

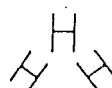
Geprüft

1. 7. 80

U. H.

Himpe

4618 Kamen



FHZ
53
54
55
56

flange connection
acc. to DIN 19207

Zeichn. Nr. 24101

Ausgabe 10/92