

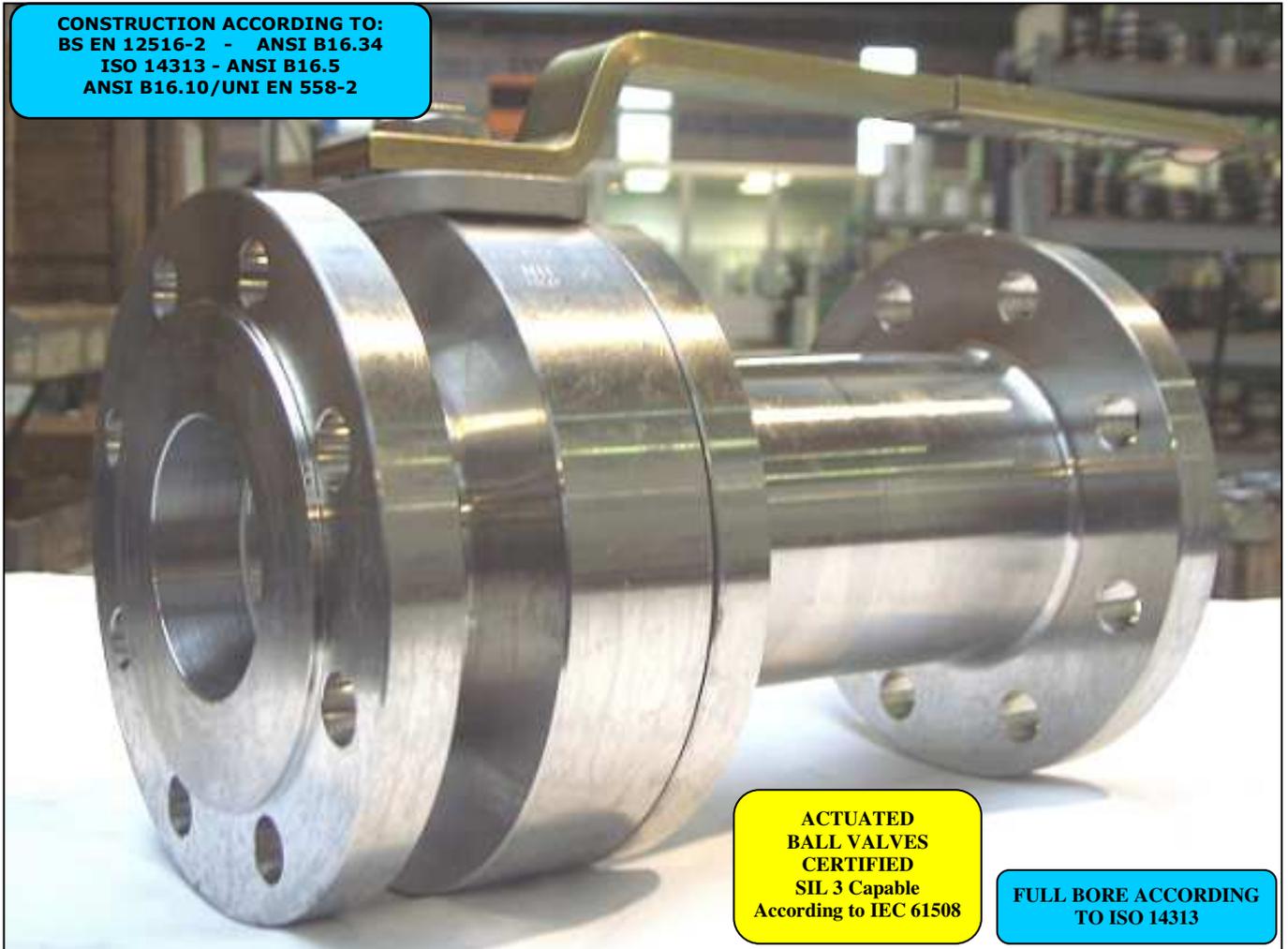
ISO 9001 by L.R.  
PED DIR. 2014/68/UE by L.R.  
ATEX DIR. 2014/34/UE by B.V.  
FIRE SAFE EXECUTION BS6755/API 607 by L.R.  
FIRE SAFE TESTED ISO 10497 by L.R.  
ISO 15848 by TÜV  
ANTISTATIC DEVICE by L.R.  
EAC CERTIFICATION by B.V.

TYPE  
**FF2**  
ANSI 150

NORME E DIRETTIVE APPLICATE DISPONIBILI AL SEGUENTE LINK:  
STANDARD AND DIRECTIVE APPLIED AVAILABLE AT FOLLOWING LINK:  
[http://www.adlerspa.com/pdf/NORME\\_ADLER.pdf](http://www.adlerspa.com/pdf/NORME_ADLER.pdf)

## VALVOLE A SFERA "ANSI B16.10" SPLIT BODY PASSAGGIO TOTALE

CONSTRUCTION ACCORDING TO:  
BS EN 12516-2 - ANSI B16.34  
ISO 14313 - ANSI B16.5  
ANSI B16.10/UNI EN 558-2

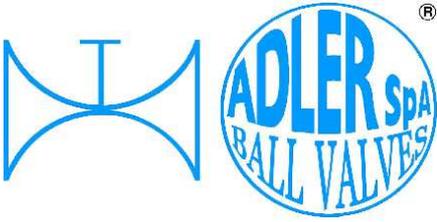


ACTUATED  
BALL VALVES  
CERTIFIED  
SIL 3 Capable  
According to IEC 61508

FULL BORE ACCORDING  
TO ISO 14313

**BALL VALVES**  
**"ANSI B16.10" FULL BORE SPLIT BODY**  
**ROBINETS A BOISSEAU SPHERIQUE**  
**"ANSI B16.10" PASSAGE INTEGRAL 2 PIECES**  
**FLANSCHKUGELHÄHNE IN "ANSI B16.10"**  
**VOLLER DURCHGANG ZWEITEILIGES GEHÄUSE**

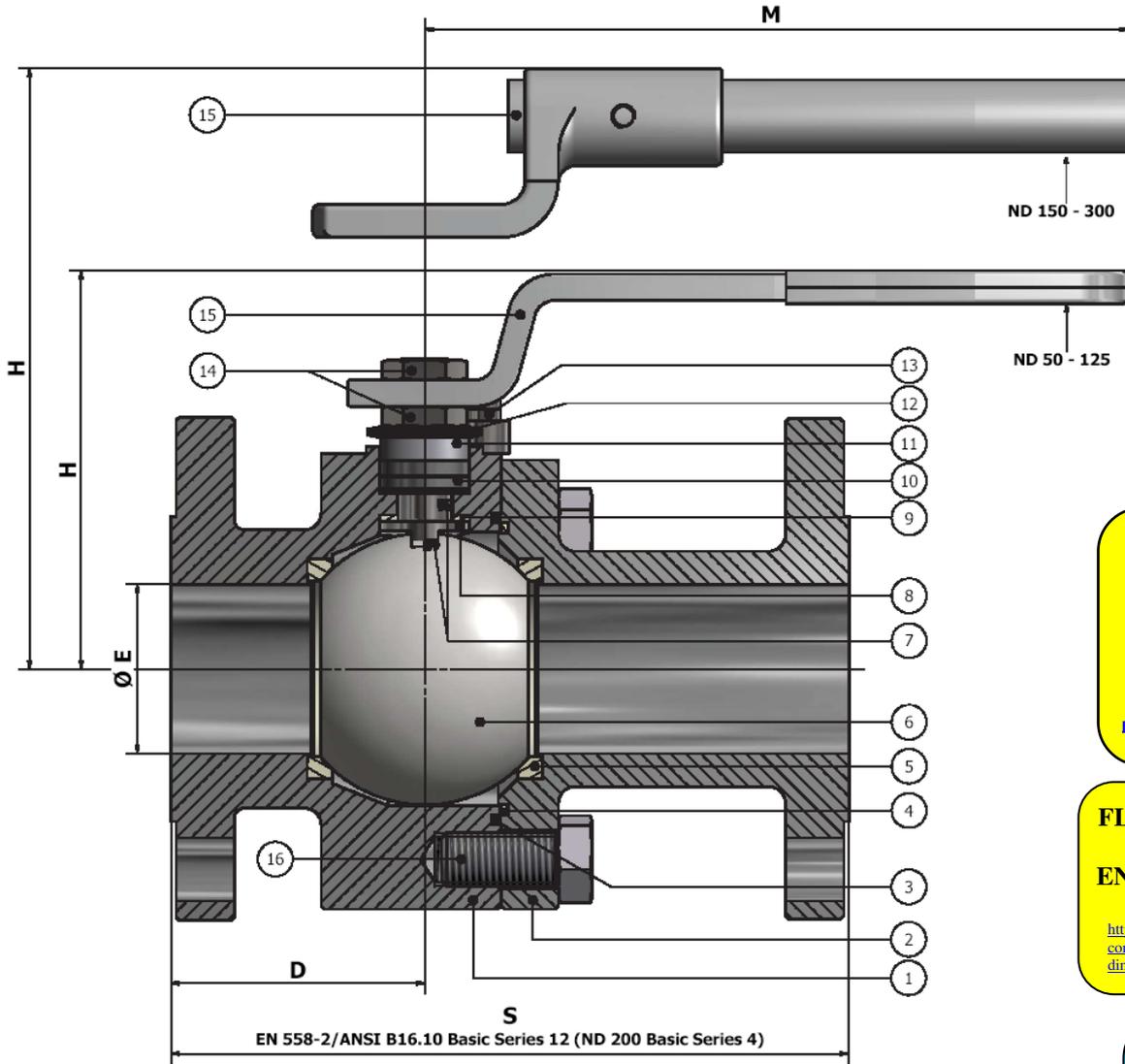
WEB SITE: [WWW.ADLERSPA.COM](http://WWW.ADLERSPA.COM)



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 EAC CERTIFICATION by B.V.

TYPE  
**FF2**  
 ANSI 150

VALVOLA A SFERA "ANSI B 16.10" SPLIT BODY PASSAGGIO TOTALE  
 BALL VALVES "ANSI B 16.10" SPLIT BODY FULL BORE  
 ROBINETS A BOISSEAU SPHERIQUE "ANSI B 16.10" PASSAGE INTEGRAL 2 PIECES  
 FLANSCHKUGELHÄHNE IN "ANSI B 16.10" VOLLER DURCHGANG ZWEIFTEILIGES GEHÄUSE



**VISUALIZZA 3D  
 VIEW 3D**

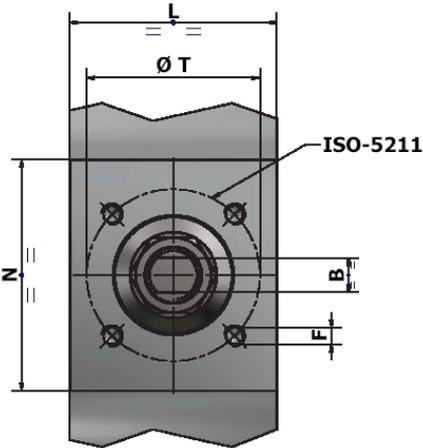
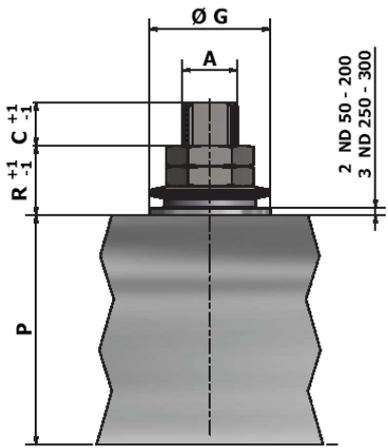
<https://adlerspa.com/prodotti/ff2>

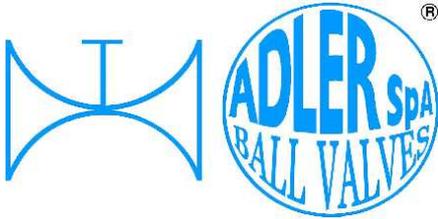
**FLANGE DIMENSIONS**  
 according to  
 EN 1092-1 or ANSI B16.5  
 see table

<https://adlerspa.com/wp-content/uploads/2023/11/Tabella-dimensioni-flange-valvole-Adler.pdf>

**DN 200 ÷ 300**

- CONSIGLIATO RIDUTTORE MANUALE
- MANUAL GEAR BOX SUGGESTED
- REDUCTEUR MANUEL CONSEILLE
- EMPFEHLEN WIR EIN HANDGETRIEBE





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 ANTISTATIC DEVICE by L.R.  
 EAC CERTIFICATION by B.V.

TYPE  
**FF2**  
 ANSI 150

N.	DESCRIZIONE DESCRIPTION DESCRIPTION BESCHREIBUNG	MATERIALI MATERIALS MATERIAUX WERKSTOFFE
1	CORPO BODY CORPS MITTE	ASTM A105 ASTM A479 304/304L ASTM A479 316/316L ASTM A 351 CF8M
2	LATERALE END LATERAL ENDE	ASTM A105 ASTM A479 304/304L ASTM A479 316/316L ASTM A 351 CF8M
3*	O-RING	FKM - (VITON)
4*	ANELLO SEAL ANNEAU DICHTUNGSRING	P.T.F.E.
5*	SEDE SEAT SIEGE SITZRING	P.T.F.E. R.P.T.F.E. (OPTIONAL)
6	SFERA BALL BOULE KUGEL	ASTM A479 304/304L ASTM A351 CF8 ASTM A479 316/316L ASTM A351 CF8M
7	DISPOSITIVO ANTISTATICO ANTISTATIC DEVICE CONTACT ANTISTATIQUE ANTISTATIK VORRICHTUNG	ASTM A479 316/316L
8	STELO STEM TIGE SPINDEL	ASTM A479 304/304L ASTM A479 316/316L

N.	DESCRIZIONE DESCRIPTION DESCRIPTION BESCHREIBUNG	MATERIALI MATERIALS MATERIAUX WERKSTOFFE
9*	BUSSOLA STEM SEAL JOINT TIGE UNTERE SPINDELABDICHTUNG	P.T.F.E.
10*	PACCO A "V" CHEVRON RINGS JOINT A "V" 3 FACHE DACHMANSCHETTE	P.T.F.E. / GRAFITE P.T.F.E. / GRAPHITE P.T.F.E. / GRAPHITE P.T.F.E. / GRAPHIT
11	PREMIBUSSOLA PRESSING BUSH PRESSE RONDELLE STOPFBUCHSDRUCKRING	ASTM A479 304
12	MOLLE A TAZZA SPRING WASHERS RONDELLES BELLEVILLE TELLERFEDERN	C72/50Cr V4 ZINCATO - GALVANIZED - ZINGUE - VERZINKT X10CrNi18.8 ON REQUEST
13	VITE DI FERMO E FERMO PIN AND STOP PIN PLOINT ET PLOT D'ARRET ANSCHLAGBOLZEN	UNI3740 8.8 ZINCATO - GALVANIZED - ZINGUE - VERZINKT UNI 3951 A2-70 ON REQUEST
14	DADO - CONTRODADO NUT - LOCK NUT ECROU - CONTRE-ECROU MUTTER - KONTERMUTTER	UNI 3740 - 6S ZINCATO - GALVANIZED ZINGUE - VERZINKT ASTM A479 304 ON REQUEST
15	LEVA WRENCH LEVIER HANDHEBEL	AISI 1010 GALVANIZED AND PAINTED FOR S.S. VALVES PAINTED FOR C.S. VALVES ASTM A479 304 ON REQUEST
16	VITE SCREW VIS SCHRAUBE	UNI 3740 8.8 ZINCATO - GALVANIZED - ZINGUE - VERZINKT UNI 3951 A2-70 ON REQUEST

\* RICAMBI CONSIGLIATI - RECOMMENDED SPARE PARTS - PIECES DE RECHANGE CONSEILLEES - ERSATZTEIL EMPFEHLUNG

ON REQUEST P.T.F.E. AVAILABLE CERTIFIED BAM, FDA, MOCA

## DIMENSIONI - DIMENSION - DIMENSIONS - ABMESSUNGEN

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
A						16		22	30		42	48	56	56
B						10		14	18		28	32	36	36
C						10		17	17		19	20	20	20
D						76		75	77		117	155	196	237
E						51		76	101		152	203	254	305
F						M6		M8	M8		M12	M16	M20	M20
ISO						F05		F07	F07		F12	F14	F16	F16
G						35		55	55		85	100	130	130
H						120		152	174		256	294	343	381
L						54		62	64		129	176	185	160
M						280		370	470		750	900	1000	1000
N						64		65	70		109	123	153	153
P						65		86	99,5		144	183	220	258,5
R						20		23	26		34	36	44	44
S						203		241	305		394	457	533	610
T						50		70	70		125	140	165	165
~Kg						15		26,2	39		98	163	288	268
~Kg											72	124	182	217

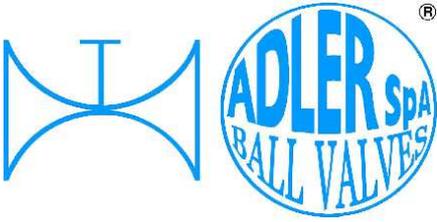
- DATI E CARATTERISTICHE SOGGETTI A VARIAZIONI SENZA PREAVVISO
- SPECIFICATIONS SUBJECT TO MODIFICATIONS WITHOUT PRIOR NOTICE
- TOUS DROITS DE MODIFICATION RESERVES
- KONSTRUKTIONSÄNDERUNGEN VORBEHALTEN

ASTM A105

ASTM A 351 CF8M



ADLER SpA - BALL VALVES  
 20010 S. STEFANO TICINO (MI) ITALY V.le BORLETTI, 14 Tel. +39/02974842.11 FAX +39/0297271698  
 E-mail: [adler@adlerspa.com](mailto:adler@adlerspa.com) <http://www.adlerspa.com>



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 FIRE SAFE TESTED ISO 10497 by L.R.  
 ISO 15848 by TÜV  
 ANTISTATIC DEVICE by L.R.  
 EAC CERTIFICATION by B.V.

TYPE  
**FF2**  
 ANSI 150

• ESECUZIONI • EXECUTIONS • EXECUTIONS • AUSFÜHRUNGEN



EXECUTION 4 - 12

ONLY FOR VALVES  $\geq$  DN 50 **S**

FORO DI BILANCIAMENTO  
 BALANCING HOLE  
 TROU DE BALANCEMENT  
 DRUCKENTLASTUNGSBOHRUNG

ON REQUEST AVAILABLE ON DN  $\leq$  40



EXECUTION 6 - 16

**S** STANDARD

**O** OPTIONAL

ANTISTATIC DEVICE  
 CERTIFICATE

ON REQUEST

**STAINLESS STEEL**  
 ASTM A479 304  
 DN 15 ÷ 100

ASTM A351 CF8  
 DN 150 ÷ 300

**3** **O**

**PN**  
**10 ÷ 40**

**4** **S**

-STELO ANTI ESPULSIONE -ANTI BLOW OUT STEM  
 -TIGE ANTIEXPULSION -AUSBLASGESICHERETE WELLE

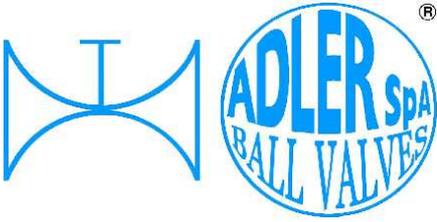
-PACCO A "V" -CHEVRON RINGS  
 -JOINT A "V" -3 FACHE DACHMANSCHETE  
 ANTISTATIC DEVICE ANTISTATIK VORRICHTUNG  
 BS 5146

TESTING

**6** **O**

BREVETTO - PATENTED  
 00219688 - 21-04-1993  
 FKM (VITON)

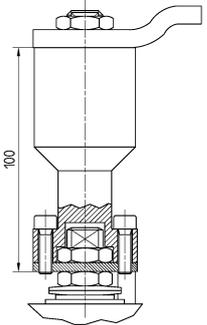
-“O” RING STELO “O” RING ON STEM  
 -TIGE AVEC “O” RING  
 -“O” RING IM SPINDELBEREICH



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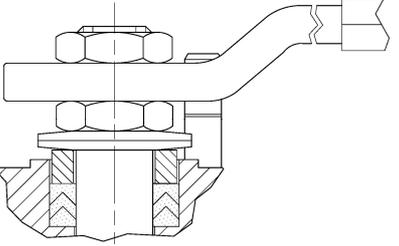
TYPE  
**FF2**  
 ANSI 150

**7** 



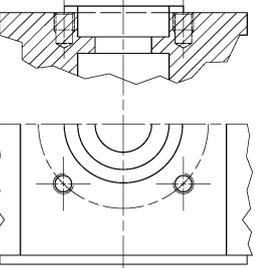
-PROLUNGA STELO -STEM EXTENSION  
 -TIGE PROLONGEE -SPINDELVERLÄNGERUNG

**8** 



-PARTICOLARI INOX -STAINLESS STEEL DETAILS  
 -ACCESSOIRES EN INOX -EDELSTAHLTEILE

**9** 

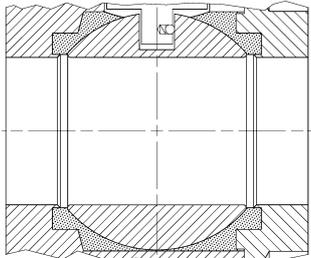


-ATTACCO "ISO" -"ISO" CONNECTIONS  
 -SYSTEM "ISO" -ANSCHLUSS "ISO"

**ISO 15848 CERTIFICATION**



**11** 



-TENUTE INTEGRALE -POCKETLESS SEATS  
 -TENUCE INTEGRALE -TOTRAUMARM  
 -P.T.F.E. / R.T.F.E.

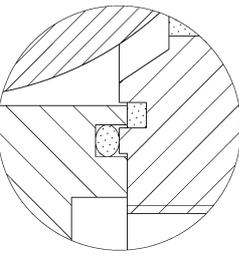
**12** 

**FIRE SAFE ISO 10497 "ISO-FT" (BS 6755 / API 607)**



**13** 

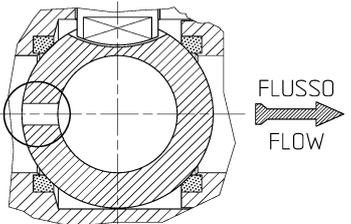
**BREVETTO - PATENTED 002/19619**



-DOPPIA TENUTA -DOUBLE SEALS  
 -DOUBLE ETANCHEITE -DOPPELTE ABDICHTUNG  
 -LATERALE A BATTUTA -METAL BEATING END  
 -LATERAL AVEC BATTUE MECANIQUE  
 -METALLISCHER ANSCHLAG DES GEGENGEHÄUSES

**14** 

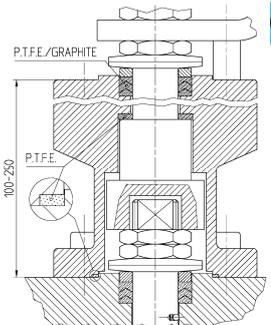
**VEDERE / SEE ANSI B16.34**



FLUSSO  
 FLOW

-FORO DI SCARICO NELLA SFERA -OVERPRESSURE HOLE INTO BALL  
 -TROU DECOMPRESSION DANS LA BOULE  
 -ENTLASTUNGSBOHRUNG IN DER KUGEL  
**VALVOLA MONO DIREZIONALE**  
**MONO-DIRECTIONAL VALVE**

**15** 



P.T.F.E./GRAPHITE  
 100-250  
 P.T.F.E.

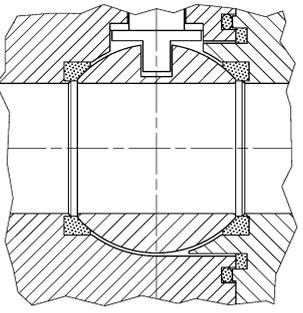
-SERVIZIO CRIOGENICO - CRYOGENIC SERVICE  
 -SERVICE CRYOGÉNIQUE  
 -TIEFTEMPORATUR SERVICE

**16** 



-FIRE SAFE ISO FT+ "O" RING STELO  
 -FIRE SAFE ISO FT+ "O" RING ON STEM  
 -SECURITE FEU ISO FT+ TIGE AVEC "O" RING  
 -FEUERSICHERE AUSFÜHRUNG ISO FT+ "O" RING IM SPINDELBEREICH

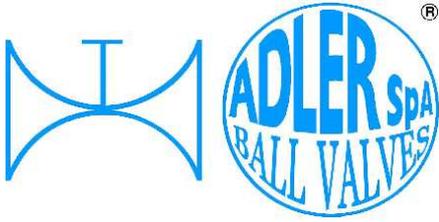
**17** 



-TENUTA INTEGRALE METALLICA -METALLIC POCKET LESS SEATS  
 -TENUCE INTEGRALE METALLIQUE  
 -TOTRAUMARM METALLISCH

**DIMENSION CHECK**

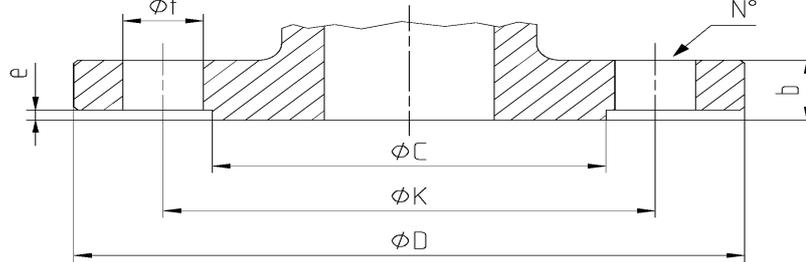




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 ANTISTATIC DEVICE by L.R.  
 EAC CERTIFICATION by B.V.

TYPE  
**FF2**  
 ANSI 150

**DIMENSIONI FLANGE - FLANGE DIMENSION - DIMENSIONS BRIDES - FLANSCHANSCHLUSSMASSE**



**ANSI B16.5**

DN	Ref.	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	5"	6"	8"	10"	12"
ANSI 150 RF	D	88.9	98.6	108	117.4	127	152.4	177.8	190.5	228.6	254	279.4	342.9	406.4	482.6
	C	35.1	43	50.8	63.5	92	104.7	127	157.3	185.7	215.9	269.8	269.8	323.9	381
	K	6035	69.9	79.2	88.9	98.6	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8
	N°	4	4	4	4	4	4	4	4	8	8	8	8	12	12
	f	15.8	15.8	15.8	15.8	19.1	19.1	19.1	19.1	19.1	22.4	22.4	22.4	25.4	25.4
	b	11.2	12.7	14.3	15.8	17.6	19.1	22.4	23.9	23.9	23.9	25.4	28.5	30.3	31.8
	e	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

**EN 1092-1 (OPTIONAL)**

DN	Ref.	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300
PN 10	D	90	95	105	115	140	150	165	185	200	220	250	285	340	395	445
	C	40	45	58	68	78	88	102	122	138	158	188	212	268	320	370
	K	60	65	75	85	100	110	125	145	160	180	210	240	295	350	400
	N°	4	4	4	4	4	4	4	4*	8	8	8	8	8	12	12
	f	14	14	14	14	18	18	18	18	18	18	18	18	22	22	22
	b	16	16	18	18	18	18	18	18	18	20	20	22	22	24	26
	e	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4
PN 16	D	90	95	105	115	140	150	165	185	200	220	250	285	340	405	460
	C	40	45	58	68	78	88	102	122	138	158	188	212	268	320	378
	K	60	65	75	85	100	110	125	145	160	180	210	240	295	355	410
	N°	4	4	4	4	4	4	4	4*	8	8	8	8	12	12	12
	f	14	14	14	14	18	18	18	18	18	18	18	18	22	22	26
	b	16	16	18	18	18	18	18	18	18	20	20	22	22	24	26
	e	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4
PN 25	D	90	95	105	115	140	150	165	185	200	235	270	300	360	425	485
	C	40	45	58	68	78	88	102	122	138	162	188	218	278	335	395
	K	60	65	75	85	100	110	125	145	160	190	220	250	310	370	430
	N°	4	4	4	4	4	4	4	8	8	8	8	8	12	12	16
	f	14	14	14	14	18	18	18	18	18	22	26	26	26	30	30
	b	16	16	18	18	18	18	20	22	24	24	26	28	30	32	34
	e	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4
PN 40	D	90	95	105	115	140	150	165	185	200	235	270	300	375	450	515
	C	40	45	58	68	78	88	102	122	138	162	188	218	285	345	410
	K	60	65	75	85	100	110	125	145	160	190	220	250	320	385	450
	N°	4	4	4	4	4	4	4	8	8	8	8	8	12	12	16
	f	14	14	14	14	18	18	18	18	18	22	26	26	30	33	33
	b	16	16	18	18	18	18	20	22	24	24	26	28	34	38	42
	e	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4

\* n°8 fori