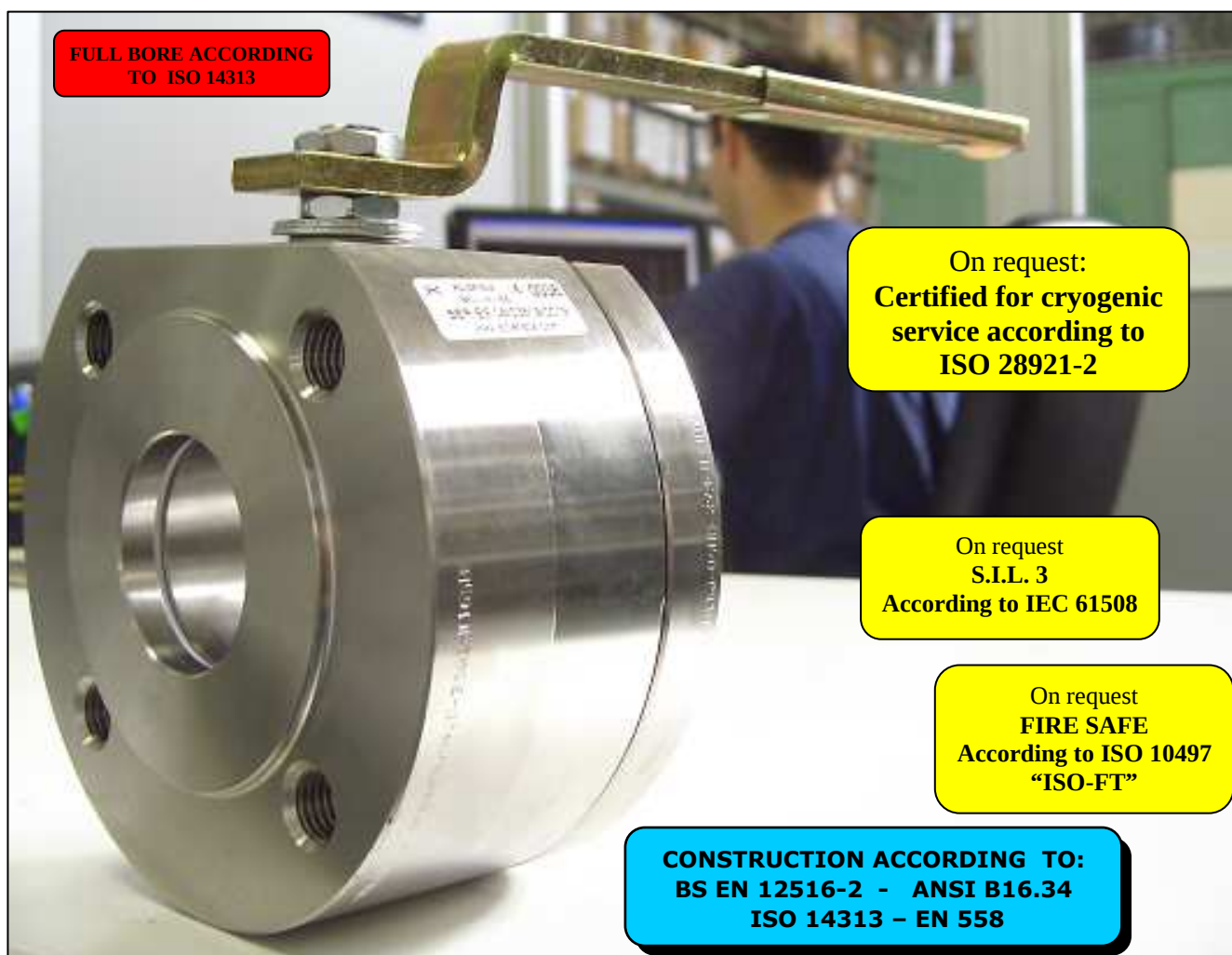


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FIRE SAFE EXECUTION by L.R.
ISO 15848 by TÜV
ANTISTATIC DEVICE by L.R.
FIRE SAFE TESTED ISO 10497 by L.R.
EAC CERTIFICATION by B.V.

TYPE
FA2
PN 10 ÷ 40
ANSI 150 ÷ 300

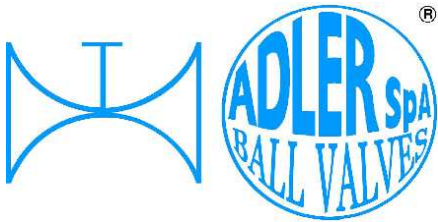
NORME E DIRETTIVE APPLICATE DISPONIBILI AL SEGUENTE LINK:
STANDARD AND DIRECTIVE APPLIED AVAILABLE AT FOLLOWING LINK:
http://www.adlerspa.com/pdf/NORME_ADLER.pdf

VALVOLE A SFERA "CORPO PIATTO" SPLIT BODY PASSAGGIO TOTALE



BALL VALVES
"WAFFER TYPE" FULL BORE SPLIT BODY
ROBINETS A BOISSEAU SPHERIQUE
"WAFFER" PASSAGE INTEGRAL 2 PIECES
FLANSCHKUGELHÄHNE IN "KOMPAKTBAUWEISE"
VOLLER DURCHGANG ZWEIFTEILIGES GEHÄUSE

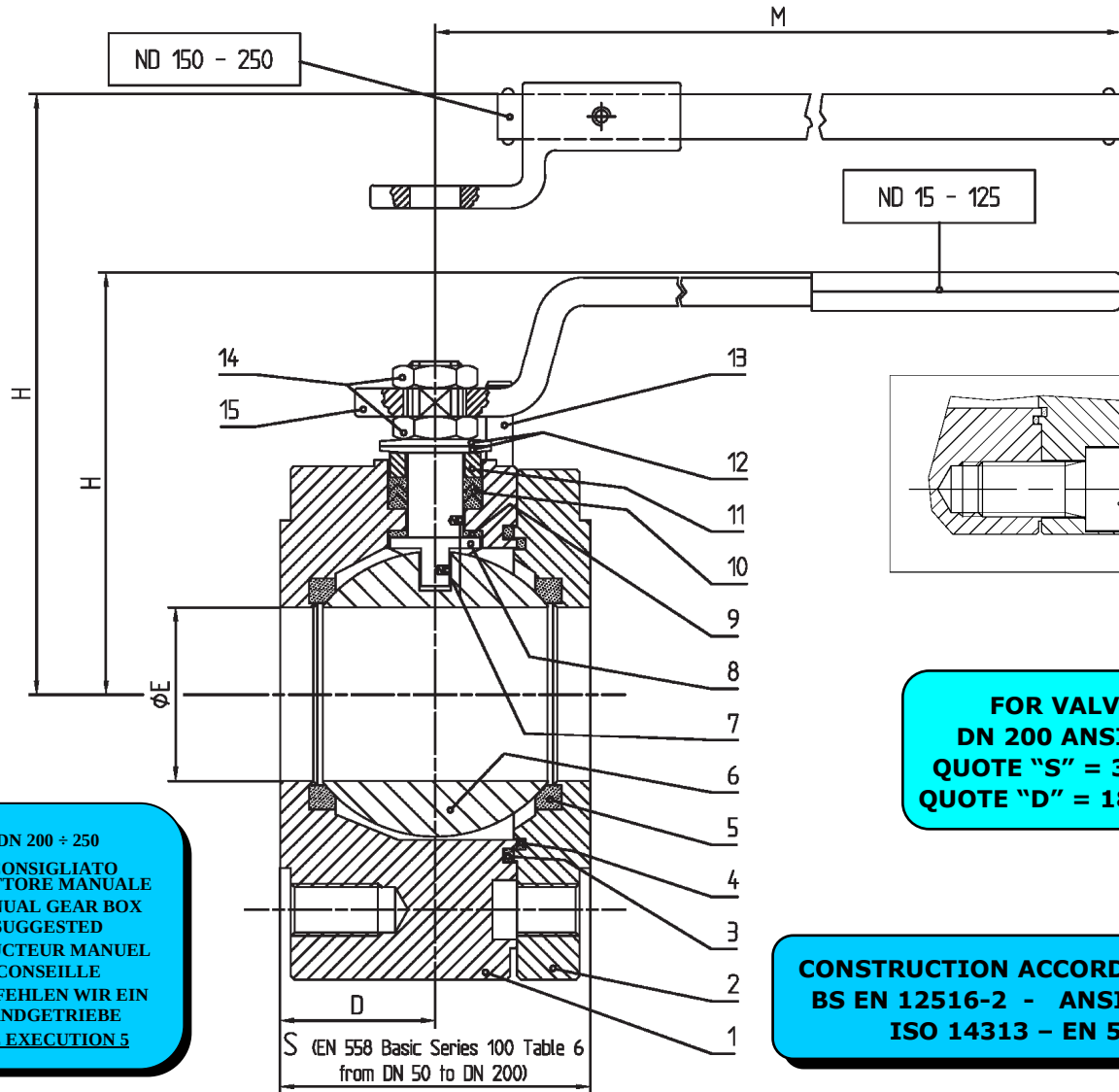
WEB SITE: WWW.ADLERSPA.COM



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

TYPE
FA2
PN 10 ÷ 40
ANSI 150 ÷ 300

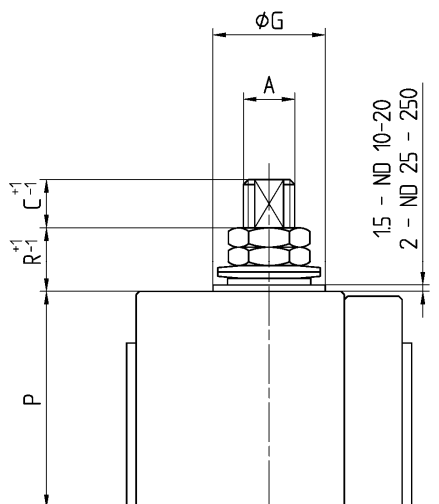
VALVOLA A SFERA "CORPO PIATTO" SPLIT BODY PASSAGGIO TOTALE
BALL VALVES "WAFER TYPE" SPLIT BODY FULL BORE
ROBINETS A BOISSEAU SPHERIQUE "WAFER" PASSAGE INTEGRAL 2 PIECES
FLANSCHKUGELHÄHNE IN "KOMPAKTBAUWEISE" VOLLER DURCHGANG ZWEITEILIGES GEHÄUSE



DN 200 ÷ 250
-CONSIGLIATO
RIDUTTORE MANUALE
-MANUAL GEAR BOX
SUGGESTED
-REDUCTEUR MANUEL
CONSEILLE
-EMPFEHLEN WIR EIN
HANDGETRIEBE
SEE EXECUTION 5

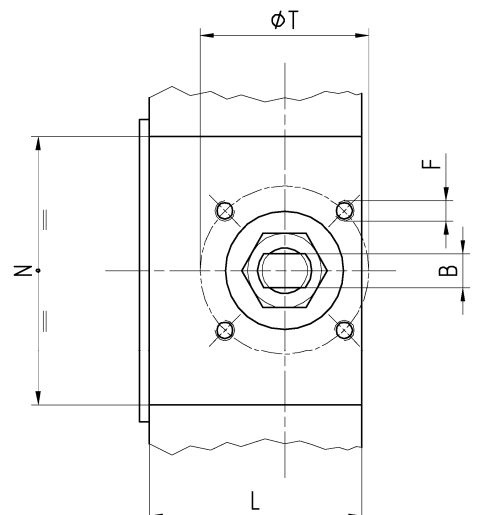
FOR VALVES
DN 200 ANSI 300
QUOTE "S" = 335mm
QUOTE "D" = 180,5mm

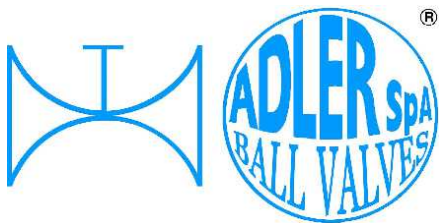
CONSTRUCTION ACCORDING TO:
BS EN 12516-2 - ANSI B16.34
ISO 14313 - EN 558



- ACCOPPIAMENTO VALVOLA
ATTUATORE
- CONNECTION VALVE
ACTUATOR
- ACCOUPLEMENT ROBINET-
ACTIONNEUR
- ZUSAMMENBAU KUGELHAHN
ANTRIEB

ISO-5211





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

TYPE
FA2
PN 10 ÷ 40
ANSI 150 ÷ 300

N.	DESCRIZIONE DESCRIPTION BESCHREIBUNG	MATERIALI MATERIALS MATERIAUX WERKSTOFFE
1	CORPO BODY CORPS MITTE	ASTM A105 ASTM A479 304/304L ASTM A479 316/316L
2	LATERALE END LATERAL ENDE	ASTM A105 ASTM A479 304/304L ASTM A479 316/316L
3*	O-RING	FKM - (VITON)
4*	ANELLO SEAL ANNEAU DICHTUNGSRING	P.T.F.E.
5*	SEDE SEAT SIEGE SITZRING	P.T.F.E. (BAM CERTIFIED) R.P.T.F.E. (OPTIONAL)
6	SFERA BALL BOULE KUGEL	ASTM A479 304/304L ASTM A351 CF8 ASTM A479 316/316L DN ≤ 10 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 DN ≤ 10

N.	DESCRIZIONE 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 V ₄ X5CrNi17.7 or X12CrNi17.7 ZINCATO - GALVANIZED - ZINGUE - VERZINKT ON REQUEST
13	VITE DI FERMO E FERMO PIN AND STOP PIN PLONT ET PLOT D'ARRET ANSCHLAGBOLZEN	UNI3740 8.8 UNI 3951 A2-70 ZINCATO - GALVANIZED - ZINGUE - VERZINKT ON REQUEST
14	DADO - CONTRODADO NUT - LOCK NUT ECROU - CONTRE-ECROU MUTTER - KONTERMUTTER	UNI 3740 - 6S ASTM A479 304 ZINCATO - GALVANIZED - ZINGUE - VERZINKT ON REQUEST
15	LEVA WRENCH LEVIER HANDHEBEL	AISI 1010 ASTM A479 304 ZINCATO/VERNICIATO GALVANIZED/PAINTED ZINGUE/PEINT VERZINKT/GEMALTEN ON REQUEST
16	VITE SCREW VIST SCHRAUBE	UNI 3740 8.8 UNI 3951 A2-70 ZINCATO - GALVANIZED - ZINGUE - VERZINKT ON REQUEST

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

DIMENSIONI - DIMENSION - DIMENSIONS - ABMESSUNGEN

DN	15	20	25	32	40	50	65	80	100	125	150	200	250
A	10	10	12	12	16	16	22	22	30	30	42	48	56
B	6	6	8	8	10	10	14	14	18	18	28	32	36
C	7	7	10	10	10	10	12	12	17	17	19	20	20
D	17,5	17,5	21,5	25,5	32	S/2	S/2	S/2	S/2	S/2	S/2	S/2	S/2
E	15	19	25	30	38	51	64	76	101	118	152	203	254
F	M5	M5	M5	M5	M6	M6	M8	M8	M8	M10	M12	M16	M20
ISO	F03	F03	F03	F03	F05	F05	F07	F07	F07	F10	F12	F14	F16
G	25	25	25	25	35	35	55	55	55	70	85	100	130
H	66	68	85	91	110	120	144	152	174	188	256	294	343
L	33	33	36.5	41	52	62	79	88	105	133	152	228	257
M	145	145	185	185	280	280	370	370	470	650	750	900	1000
N	69	78	81	105	81	102	85	80	86	100	110	95	150
P	32,5	35	41	46,5	63	65	82	90.5	99.5	114	144	183	225,5
R	8	8	17	17	13	21	24	24	27	26	34	36	40
P			42,5		63	74,5	87	95	108	122,5	125	144	183
R			17		13	11	19	19	16	16	14	34	36
S	53	53	57	65	79	84	103	120	154	182	234	310	314*
T	36	36	36	36	50	50	70	70	70	102	125	140	165
~Kg	2,3	2,9	3,9	6,1	9,1	11,5	18	23,5	35	51	90	121	180

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

DN 15÷40 OPTIONAL

PN 40

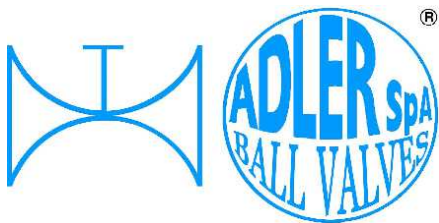
*Per PN 40 S = 340

ANSI 300

PN 10÷40 - ANSI 150



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 <http://www.adlerspa.com>



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

TYPE
FA2
PN 10 ÷ 40
ANSI 150 ÷ 300

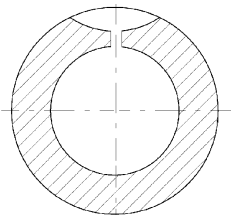
• ESECUZIONI • EXECUTIONS • EXECUTIONS • AUSFÜHRUNGEN



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



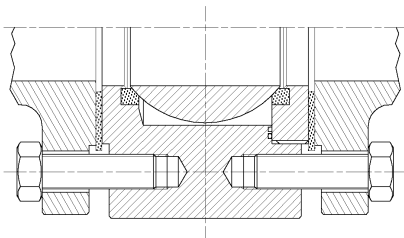
EXECUTION 6 - 16

S STANDARD

O OPTIONAL

1

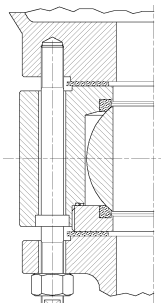
S



-MONTAGGIO VITI – SCREW ASSEMBLING
-MONTAGE VIS – EINBAU MIT SCHRAUBEN

2

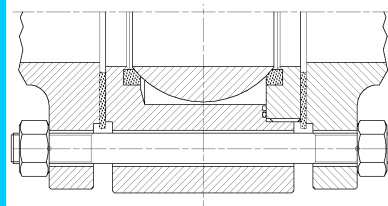
O



-MONTAGGIO DI FONDO
-END TANK ASSEMBLING
-MONTAGE FOND DE CUVE
-EINBAU ALS BODENABLASSKUGELHAHN

3

O

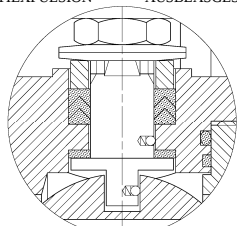


-MONTAGGIO BULLONI
-BOLTS ASSEMBLING
-MONTAGE BOULONS
EINBAU MIT ZUGBOLZEN

4

S

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



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

C.N.C. TOOLING

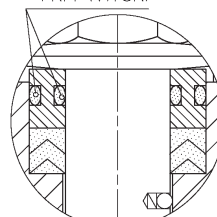


6

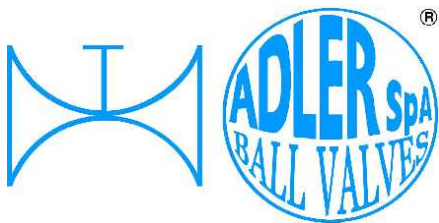
O

BREVETTO – PATENTED
00219688 - 21-04-1993

FKM (VITON)



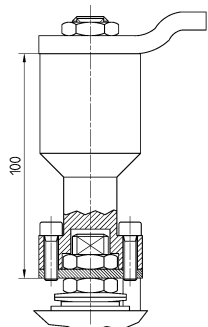
-“O” RING STELO
-“O” RING ON STEM
-TIGE AVEC “O” RING
-“O” RING IM SPINDELBEREICH



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

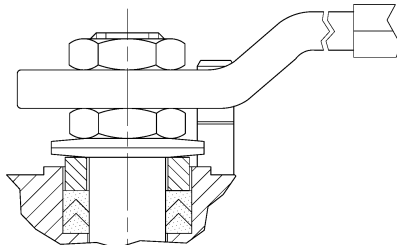
TYPE
FA2
PN 10 ÷ 40
ANSI 150 ÷ 300

7



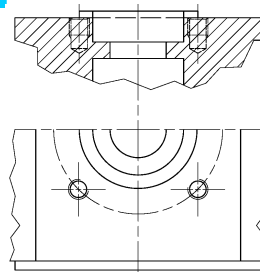
-PROLUNGA STELO -STEM EXTENSION
-TIGE PROLONGEE -SPINDELVERLÄNGERUNG

8



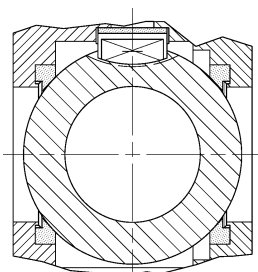
-PARTICOLARI INOX
-STAINLESS STEEL DETAILS
-ACCESSOIRES EN INOX
-EDELSTAHLTEILE

9



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

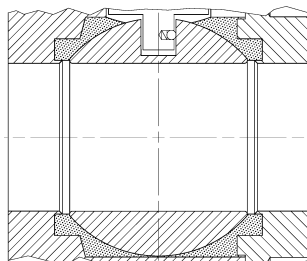
10



DN 15 ÷ 200

-SFERA CONTENUTA -CONTENTS BALL
-BOULE CONTENUE
-NICHT RAUSRAGENDE KUGEL

11



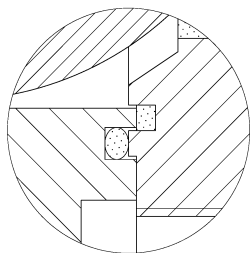
-TENUTE INTEGRALE -POCKETLESS SEATS
-TENUE INTEGRALE -TOTRAUMARM
-P.T.F.E. / R.T.F.E.

12

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



13

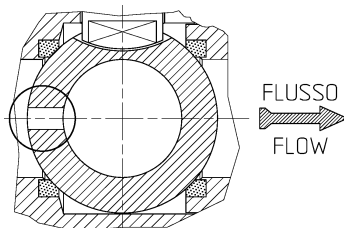


BREVETTO - PATENTED
00219619

-DOPPIA TENUTA -DOUBLE SEALS
-DOUBLE ETANCHEITE -DOPPELTE ABDICHTUNG
-GHIERA A BATTUTA -METAL BEATING RING
-EMBOUT AVEC BATTUE MECANIQUE
-METALLISCHER ANSCHLAG DES
GEWINDEDRUCKRINGS

14

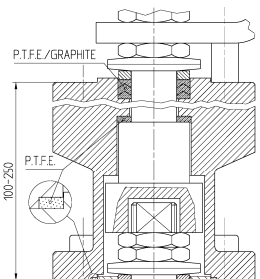
VEDERE / SEE ANSI B16.34



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



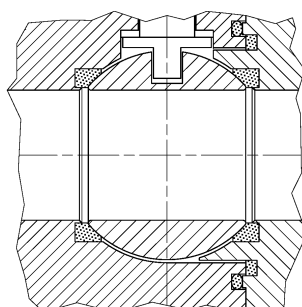
-SERVIZIO CRIOGENICO -CRYOGENIC SERVICE
-SERVICE CRYOGENIQUE
-TIEFTEMPORATUR SERVICE

16



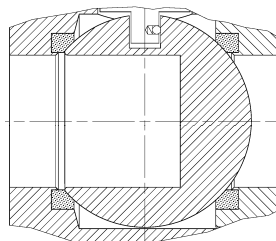
-FIRE SAFE ISO FT+ "O" RING STELO
-FIRE SAFE ISO FT+ "O" RING ON STEM
-SECURITE FEU ISO FT+ TIGE AVEC "O" RING
-FEUERSICHERE AUSFÜHRUNG ISO FT +
"O" RING IM SPINDELBEREICH

17

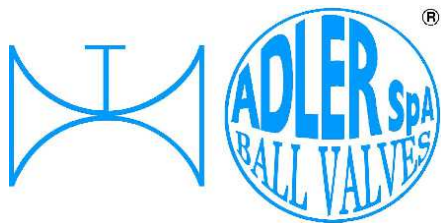


-TENUTA INTEGRALE METALLICA
-METALLIC POCKET LESS SEATS
-TENUE INTEGRALE METALLIQUE
-TOTRAUMARM METALLISCHES

18



-SFERA CIECA PER CAMPIONATURA
-BLIND BALL FOR SAMPLING
-PRISE-ECHANTILLON
KUGEL FÜR PROBENAHME



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

TYPE
FA2
 PN 10 ÷ 40
 ANSI 150 ÷ 300

VITI D'ASSEMBLAGGIO PER FA2 - ASSEMBLING SCREWS FOR FA2 - VIS D'ASSEMBLAGE POUR FA2- MONTAGESCHRAUBEN FÜR FA2

N° VITI – DIMENSIONE • N° SCREW – DIMENSIONS • N° VIS- DIMENSIONS • N° SCHRAUBEN-ABMESSUNGEN

EUROPEAN NORM

DN PN	10-15	20	25	32	40	50	65	80	100	125	150	200	250
10												16 M20 X55	
16	8 M12 X35	8 M12 X35	8 M12 X40	8 M16 X40	8 M16 X45	8 M16 X50	8 M16 X45	16 M16 X50	16 M16 X50	16 M16 X50	16 M20 X55	24 M20 X55	24 M24 X65
25	8 M12 X35	8 M12 X35	8 M12 X40	8 M16 X40	8 M16 X45	16 M16 X50	16 M16 X50	16 M16 X50	16 M20 X60	16 M24 X60	16 M24 X60	24 M24 X60	24 M27 X80
40	8 M12 X35	8 M12 X35	8 M12 X40	8 M16 X40	8 M16 X45	8 M16 X50	16 M16 X50	16 M16 X50	16 M20 X60	16 M24 X60	16 M24 X60	24 M27 X65	24 M30 X80

* N° 8 per UNI 2223/2229

ANSI METRIC

(STANDARD ADLER)

Ø Rating	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"
150	8 M14 X30	8 M14 X35	8 M14 X35	8 M14 X40	8 M14 X45	8 M16 X50	8 M16 X50	8 M16 X50	16 M16 X50	16 M20 X55	16 M20 X60	16 M20 X70	24 M24 X70
300	8 M14 X35	8 M16 X35	8 M16 X40	8 M16 X45	8 M20 X55	16 M16 X50	16 M20 X55	16 M20 X60	16 M20 X60	16 M20 X70	24 M20 X70	24 M24 X80	

ANSI B1.1 UNC

(ON REQUEST)

Ø Rating	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"
150	8 1/2 X 1 1/4	8 1/2 X 1 1/4	8 1/2 X 1 1/4	8 1/2 X 1 1/2	8 5/8 X 1 3/4	8 5/8 X 1 3/4	8 5/8 X 2	8 5/8 X 2	16 5/8 X 2	16 3/4 X 2 1/4	16 3/4 X 2 1/4	16 3/4 X 2 3/4	24 7/8 X 2 3/4
300	8 1/2 X 1 1/2	8 5/8 X 1 1/2	8 5/8 X 1 1/2	8 5/8 X 1 3/4	8 3/4 X 2	16 5/8 X 1 3/4	16 3/4 X 2 1/4	16 3/4 X 2 1/4	16 3/4 X 2 1/2	16 3/4 X 2 3/4	24 3/4 X 2 3/4	24 7/8 X 3 1/4	

Length of screws calculated considering a gasket with thickness of 2mm.

For dimension in **BLU COLOR** is necessary to use a washer with thickness of 2 mm.

