

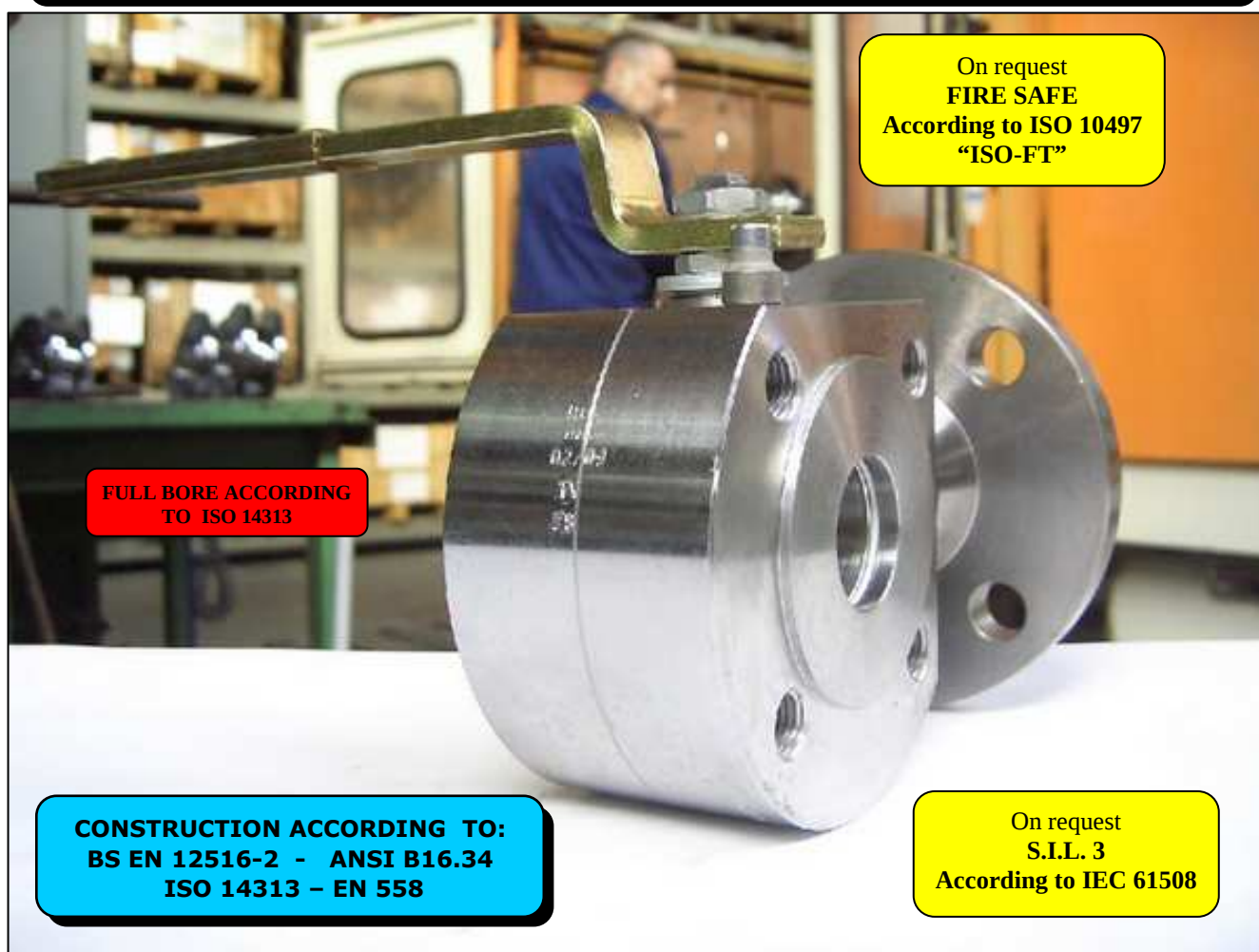
ISO 9001:2015 by L.R.
PED DIR. 2014/68/UE by L.R.
ATEX DIR. 2014/34/UE by B.V.
FIRE SAFE EXECUTION by L.R.
ISO 15848 by TÜV
ANTISTATIC DEVICE by L.R.
FIRE SAFE TESTED ISO 10497 by L.R.
EAC CERTIFICATION by B.V.

TYPE
FA4
PN 10 ÷ 40
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

VALVOLE A SFERA "3 VIE CORPO PIATTO" PASSAGGIO TOTALE 90°

ISO nbr° LRC 0160281 QSM issued by L.R.Q.A. PED nbr° COV 0212112/01 issued by L.R.V.
ATEX nbr° 40.2003.4392 issued by B.V. ISO 15848 nbr° I-148466/1-/2 issued by TÜV



On request
FIRE SAFE
According to ISO 10497
"ISO-FT"

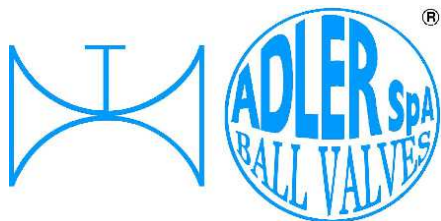
**FULL BORE ACCORDING
TO ISO 14313**

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

On request
S.I.L. 3
According to IEC 61508

**BALL VALVES "3 WAFER TYPE" FULL BORE 90°
ROBINETS A BOISSEAU SPHERIQUE
"3 VOIES WAFER" PASSAGE INTEGRAL 90°
KUGELHÄHNE "3 WEGE KOMPAKTHAHN"
VOLLER DURCHGANG 90°**

WEB SITE: WWW.ADLERSPA.COM



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TYPE
FA4
PN 10 ÷ 40
ANSI 150

N.	DESCRIZIONE DESCRIPTION BESCHREIBUNG	MATERIALI MATERIALS MATERIAUX WERKSTOFFE
1	CORPO BODY CORPS MITTE	ASTM A105 ASTM A479 304/304L ASTM A479 316/316L
2	GHIERA INSERT EMBOUT GEWINDEDRUCKRING	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 ASTM A351 CF8M DN ≤ 10
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 V4 X5CrNi17.7 or X12CrNi17.7 ZINCATO - GALVANIZED - ZINGUE - VERZINKT ON REQUEST
13	VITE DI FERMO E FERMO PIN AND STOP PIN PLOINT 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	FLANGIA FLANGE BRIDE FLANSCH	ASTM A105 ASTM A479 304/304L ASTM A479 316/316L

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

DIMENSIONI - DIMENSION - DIMENSIONS - ABMESSUNGEN

DN	10	15	20	25	32	40	50	65	80	100	100	125	150		
AxB		10x16	10x6	12x8	12x8	16x10	16x10	22x14	22x14	30x18	30x18	30x18	42		
C		7	7	10	10	15	15	17	12	17	17	17	19		
ØD		95	105	115	140	150	165	188	208	220	234	249	340		
ØD1		89	99	108	118	128	153	188	208	229	/	258	340		
ØE		15	19	25	30	38	51	64	69	87	87	108	136		
F		M5	M5	M5	M5	M6	M6	M8	M8	M10	M10	M10	M12		
ISO		F03	F03	F03	F03	F05	F05	F07	F07	F10	F10	F10	F12		
G		25	25	25	25	35	35	55	55	70	70	70	85		
H		70	75	90	95	112	122	147	149	174	174	187	255		
M		145	145	185	185	280	280	370	370	470	470	650	750		
ØN		95	105	115	140	150	165	185	200	220	234	249	283		
ØN1		89	99	108	118	128	153	178	190	229	/	254	283		
P		36,6	41	46	51	57	67	85	91,5	99,5	107	114	144		
R		8	8	17	17	20	20	23	23	27	18	25	34		
S		42	50	56	66	78	98	119	124	154	154	182	288		
S1		85	90	95	110	115	125	150	165	170(1)	190	190(2)	230		
T		36	36	36	36	50	50	70	70	102	102	102	125		
~Kg		2,5	4	5	9	12	18	28	37	50	55				

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



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>

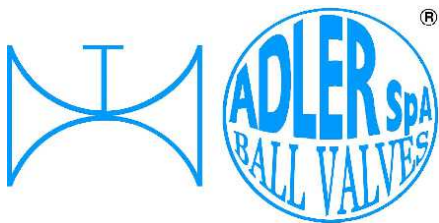
(1) 180 ANSI 150

PN 10/40 - ANSI 150

(2) 200 ANSI 150

PN 10 ÷ 16

PN 25 ÷ 40



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

TYPE
FA4
PN 10 ÷ 40
ANSI 150

▪ ESECUZIONI ▪ EXECUTIONS ▪ EXECUTIONS ▪ AUSFÜHRUNGEN



EXECUTION 4- 12



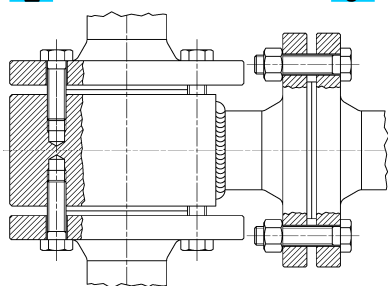
EXECUTION 6 - 16

S STANDARD

O OPTIONAL

1

S

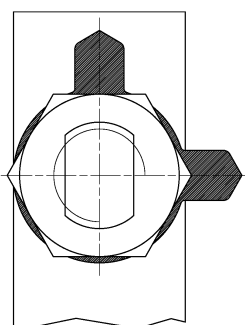


-MONTAGGIO VITI – SCREW ASSEMBLING
-MONTAGE VIS – EINBAU MIT SCHRAUBEN

2

S

INDICATORE DI FLUSSO
FLOW INDICATOR

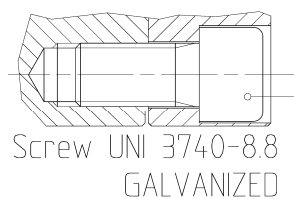


3

S

DN 150

UNIONE CORPO LATERALE CON VITE
BODY AND END ASSEMBLING WITH SCREW



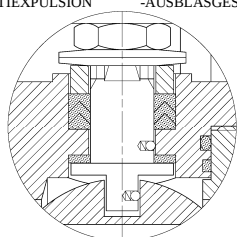
Screw UNI 3740-8.8
GALVANIZED

UNI 3951 A2-70 ON REQUEST

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

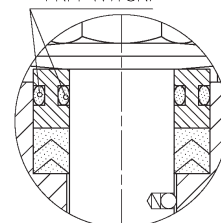


6

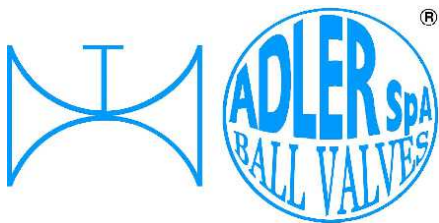
O

BREVETTO – PATENTED
00219688 - 21-04-1993

FKM (VITON)



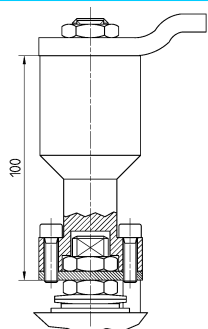
-“O” RING STELO “O” RING ON STEM
-TIGE AVEC “O” RING
-“O” RING IM SPINDELBEREICH



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ANTISTATIC DEVICE by L.R.
FIRE SAFE TESTED ISO 10497 by L.R.
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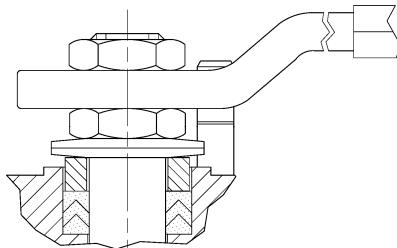
TYPE
FA4
PN 10 ÷ 40
ANSI 150

7



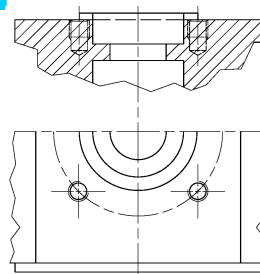
-PROLUNGA STELO -STEM EXTENSION
-TIGE PROLONGEE -SPINDELVERLÄNGERUNG

8



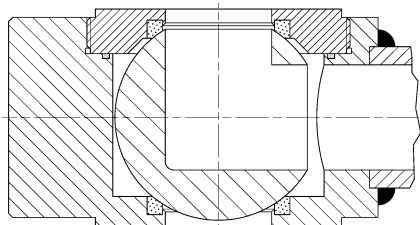
-PARTICOLARI INOX
-STAINLESS STEEL DETAILS
-ACCESSOIRES EN INOX
-EDELSTAHLTEILE

9



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

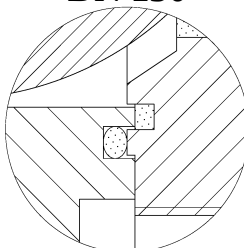
10



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

11

DN 150



BREVETTO - PATENTED
00219619

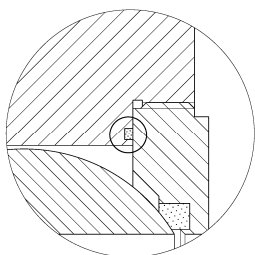
DOPPIA TENUTA - DOUBLE SEALS
DOUBLE ETACHEITE
DOPPELTE ABDICHTUNG

12

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



13

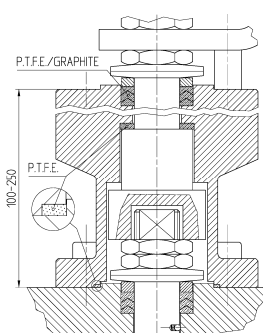


ANELLO CONTENUTO - CONTAINED SEAL
ANNEAU CONTENU - DICHTRING GEKAMMERT
-GHIERA A BATTUTA -METAL BEATING RING
-EMBOUT AVEC BATTUE MECANIQUE
-METALLISCHER ANSCHLAG DES
GEWINDEDRECKRINGS

VALVOLE CERTIFICATE S.I.L. 3
VALVES CERTIFIED S.I.L. 3



15



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

16

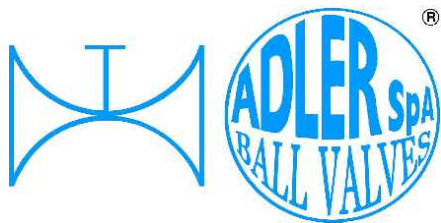


-FIRE SAFE ISO FT+ "O" RING STELO
-FIRE SAFE ISO FT+ "O" RING ON STEM
-SECURITE FEU ISO FT+ TIGE AVEC "O" RING
-FEUERSICHERE AUSFÜHRUNG ISO FT+
"O" RING IM SPINDELBEREICH



N.D.T. QUALIFICATION IN ACC. TO
UNI EN ISO 9712 LEVEL II
PT AND MT





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TYPE
FA4
PN 10 ÷ 40
ANSI 150

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

EUROPEAN NORM

DN PN	15	20	25	32	40	50	65	80	100	125	150	200
16	8 M12 X40	8 M12 X40	8 M12 X40	8 M16 X45	8 M16 X45	8 M16 X50	8 M16 X50	16 M16 X50	16 M16 X50	16 M16 X55	16 M20 X60	
25	8 M12 X40	8 M12 X40	8 M12 X40	8 M16 X45	8 M16 X45	8 M16 X50	16 M16 X50	16 M16 X50	16 M20 X55	16 M24 X65		
40	8 M12 X40	8 M12 X40	8 M12 X40	8 M16 X45	8 M16 X45	8 M16 X50	16 M16 X50	16 M16 X50	16 M20 X55	16 M24 X65		

ANSI METRIC (STANDARD ADLER)

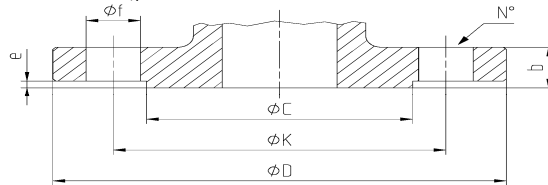
Ø Rating	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
150	8 M14 X35	8 M14 X40	8 M14 X40	8 M14 X40	8 M14 X45	8 M16 X50	8 M16 X50	8 M16 X50	16 M16 X50	16 M20 X60	16 M20 X60	

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"
150	8 1/2 X 1 1/4	8 1/2 X 1 1/2	8 1/2 X 1 1/2	8 1/2 X 1 1/2	8 1/2 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	

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.



ANSI B16.5

DN	Ref.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	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			
	C	35.1	43	50.8	63.5	92	104.7	127	157.3	185.7	215.9	269.8			
	K	6035	69.9	79.2	88.9	98.6	120.7	139.7	152.4	190.5	215.9	241.3			
	N°	4	4	4	4	4	4	4	4	8	8	8			
	f	15.8	15.8	15.8	15.8	19.1	19.1	19.1	19.1	19.1	22.4	22.4			
	b	11.2	12.7	14.3	15.8	17.6	19.1	22.4	23.9	23.9	23.9	25.4			
	e	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

DN	Ref.	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300
PN 10/16	D		95	105	115	140	150	165	185	200	220	250	285			
	C		45	58	68	78	88	102	122	138	158	188	212			
	K		65	75	85	100	110	125	145	160	180	210	240			
	N°		4	4	4	4	4	4	4*	8	8	8	8			
	f		14	14	14	18	18	18	18	18	18	18	22			
	b		16	18	18	18	18	18	18	20	20	22	22			
	e		2	2	2	2	3	3	3	3	3	3	3			
PN 25/40	D		95	105	115	140	150	165	185	200	235	270	300			
	C		45	58	68	78	88	102	122	138	162	188	218			
	K		65	75	85	100	110	125	145	160	190	220	250			
	N°		4	4	4	4	4	4	8	8	8	8	8			
	f		14	14	14	18	18	18	18	18	22	26	26			
	b		16	18	18	18	18	20	22	24	24	26	28			
	e		2	2	2	2	3	3	3	3	3	3	3			