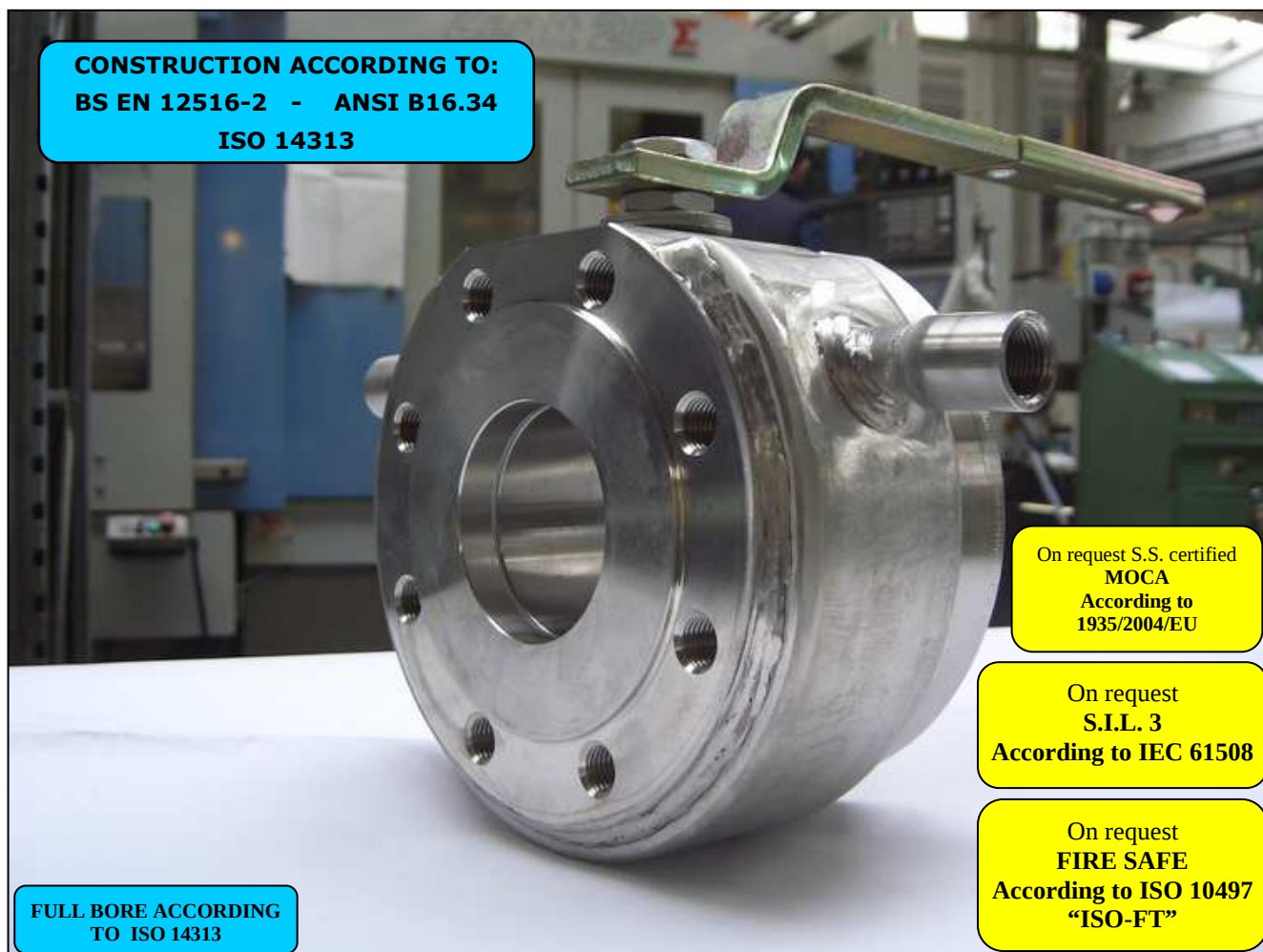


ISO 9001 by L.R.
PED DIR. 2014/68/UE by L.R.
ATEX DIR. 2014/34/UE by B.V.
FIRE SAFE EXECUTION by L.R.
ISO 15848 by TÜV
ANTISTATIC DEVICE by L.R.
FIRE SAFE TESTED ISO 10497 by L.R.
EAC CERTIFICATION by B.V

TYPE
FX2
PN 10 ÷ 40
ANSI 150

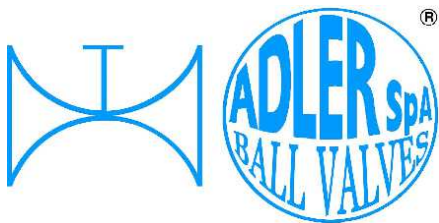
NORME E DIRETTIVE APPLICATE DISPONIBILI AL SEGUENTE LINK:
STANDARD AND DIRECTIVE APPLIED AVAILABLE AT FOLLOWING LINK:
http://www.adlerspa.com/pdf/NORME_ADLER.pdf

VALVOLE A SFERA "CORPO PIATTO" SPLIT BODY PASSAGGIO TOTALE CON CAMICIA DI RISCALDAMENTO



BALL VALVES
"WAFER TYPE" FULL BORE SPLIT BODY WITH HEATING JACKET
ROBINETS A BOISSEAU SPHERIQUE
"WAFER" PASSAGE INTEGRAL 2 PIECES AVEC ENVELOPPE
FLANSCHKUGELHÄHNE IN "KOMPAKTBAUWEISE"
VOLLER DURCHGANG ZWEIFTEILIGES GEHÄUSE MIT HEIZMANTEL

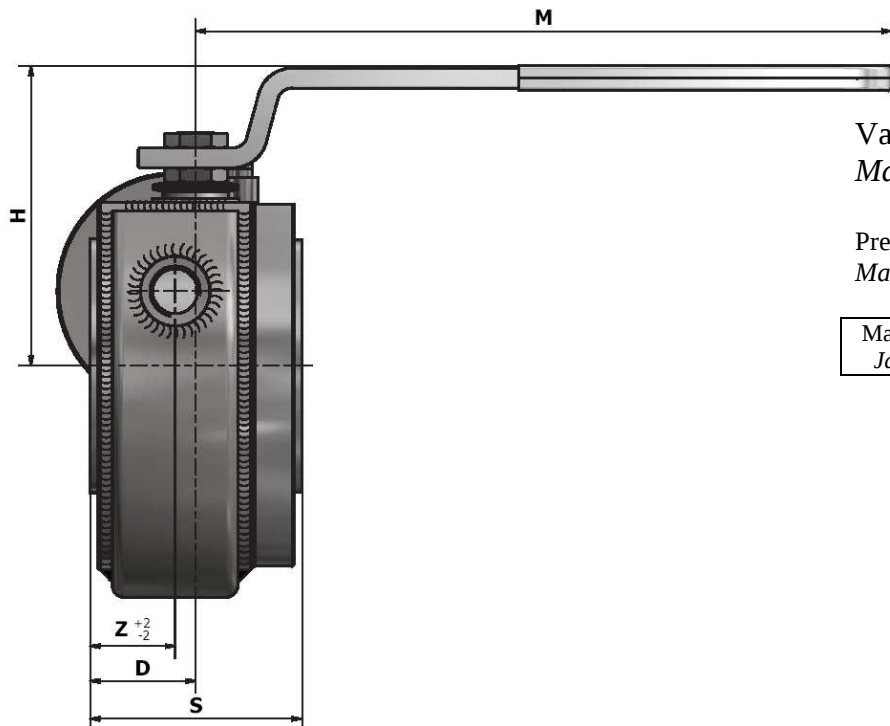
WEB SITE: WWW.ADLERSPA.COM



ISO 9001 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
FX2
PN 10 ÷ 40
ANSI 150

VALVOLA A SFERA "CORPO PIATTO" SPLIT BODY PASSAGGIO TOTALE CON CAMICIA DI RISCALDAMENTO
BALL VALVES "WAFFER TYPE" SPLIT BODY FULL BORE WITH HEATING JACKET
ROBINETS A BOISSEAU SPHERIQUE "WAFFER" PASSAGE INTEGRAL 2 PIECES AVEC ENVELOPPE
FLANSCHKUGELHÄHNE IN "KOMPAKTBAUWEISE" VOLLER DURCHGANG ZWEITEILIGES GEHÄUSE MIT HEIZMANTEL



Valvola base FA2
Main Ball Valve FA2

Pressione massima di lavoro nelle camicie 10 bar
Maximum working pressure for jacket 10 bar

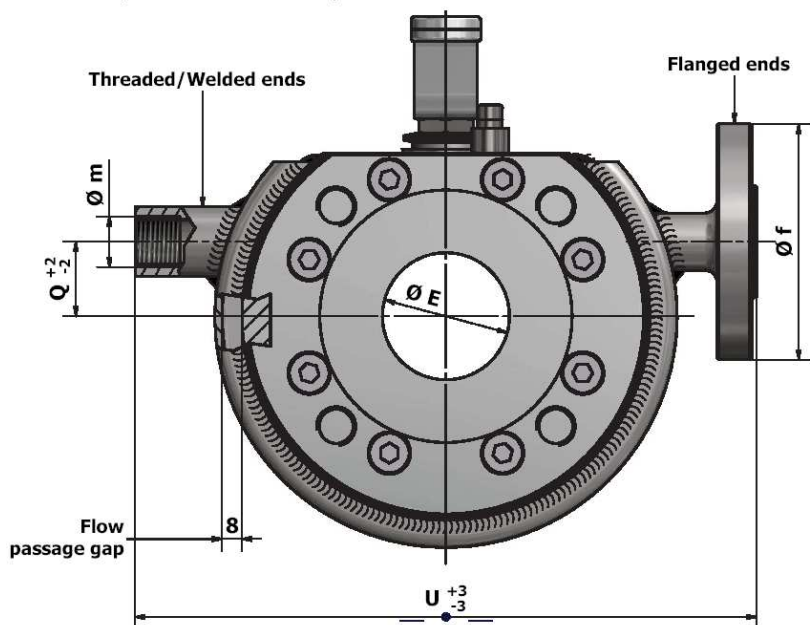
Materiale camicia	CARBON STEEL (STANDARD)
Jacket material	STAINLESS STEEL (OPTIONAL)

DN 200
-CONSIGLIATO
RIDUTTORE MANUALE
-MANUAL GEAR BOX
SUGGESTED
-REDUCTEUR MANUEL
CONSEILLE
-EMPFEHLEN WIR EIN
HANDGETRIEBE

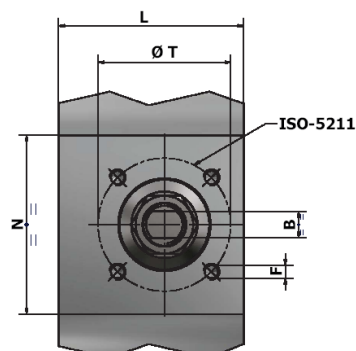
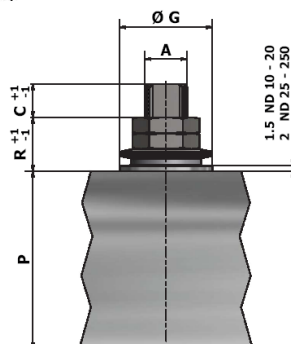
**VISUALIZZA 3D
VIEW 3D**

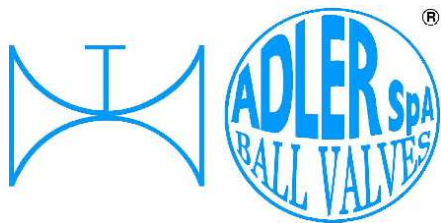


<https://adlerspa.com/prodotti/fx2>



DN 65 PN 16 ESECUZIONE
STANDARD CON 4 FORI
SU RICHIESTA DISPONIBILE
CON 8 FORI
DN 65 PN 16 STANDARD
EXECUTION WITH 4 HOLES
ON REQUEST AVAILABLE WITH
8 HOLES





ISO 9001 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
FX2
PN 10 ÷ 40
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
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. + 15% FIBERGLASS
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. / 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 - X10CrNi18.8 ZINGUE - VERZINKT
13	VITE DI FERMO E FERMO PIN AND STOP PIN PLOT ET PLOT D'ARRET ANSCHLAGBOLZEN	UNI3740 8.8 ZINCATO - GALVANIZED - UNI 3951 ZINGUE - VERZINKT A2-70 ON REQUEST
14	DADO - CONTRODADO NUT - LOCK NUT ECROU - CONTRE-ECROU MUTTER - KONTERMUTTER	UNI 3740 - ZINCATO - GALVANIZED 6S ZINGUE - VERZINKT ASTM A479 ON REQUEST 304
15	LEVA WRENCH LEVIER HANDHEBEL	AISI 1010 CHROMED FOR S.S. VALVES ASTM A479 PAINTED FOR C.S. VALVES 304 ON REQUEST
16	VITE SCREW VIS SCHRAUBE	UNI 3740 8.8 ZINCATO - GALVANIZED - UNI 3951 ZINGUE - VERZINKT 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
A	10	10	12	12	16	16	22	22	30	30	42	48	
B	6	6	8	8	10	10	14	14	18	18	28	32	
C	7	7	10	10	10	10	12	12	17	17	19	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	
E	15	19	25	30	38	51	64	76	101	118	152	203	
F	M5	M5	M5	M5	M6	M6	M8	M8	M8	M10	M12	M16	
f	DN 15 PN 16								DN 25 PN 16				
ISO	F03	F03	F03	F03	F05	F05	F07	F07	F07	F10	F12	F14	
G	25	25	25	25	35	35	55	55	55	70	85	100	
H	66	68	85	91	110	120	144	152	174	188	256	294	
L	33	33	36.5	41	52	62	79	88	105	133	152	228	
M	145	145	185	185	280	280	370	370	470	650	750	900	
m	Ø1/2" GAS								Ø1" GAS				
N	69	78	81	105	81	102	85	80	86	100	110	95	
P	32,5	35	41	46,5	63	65	82	90.5	99.5	114	144	183	
Q	/	/	/	25	30	30	45	50	70	80	95	130	
R	8	8	17	17	13	21	24	24	27	26	34	36	
S	53	53	57	65	79	84	103	120	153.5	182	234	310	
T	36	36	36	36	50	50	70	70	70	102	125	140	
U	170	180	190	215	230	250	270	300	340	360	420	500	
Z	17,5	17,5	21,5	25,5	32	34	43	47	56	70	117	155	
Kg	4,3	5	6	9	12	14,5	21	27,5	39	55	95	127	

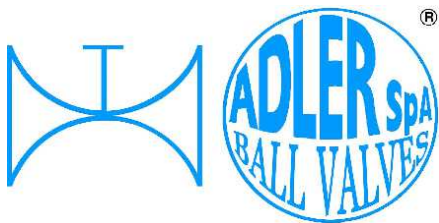
DN 15÷40 - OPTIONAL

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

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>



ISO 9001 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
FX2
PN 10 ÷ 40
ANSI 150

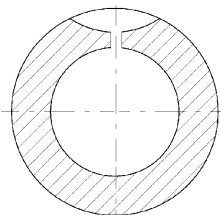
• ESECUZIONI • EXECUTIONS • EXECUTIONS • AUSFÜHRUNGEN



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



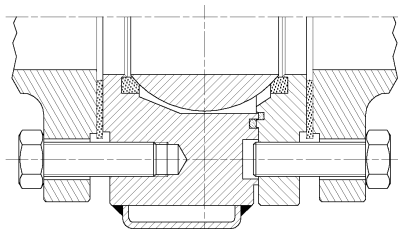
EXECUTION 6 - 16

S STANDARD

O OPTIONAL

1

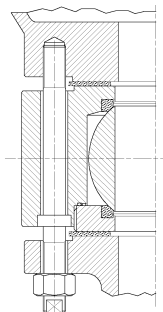
S



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

2

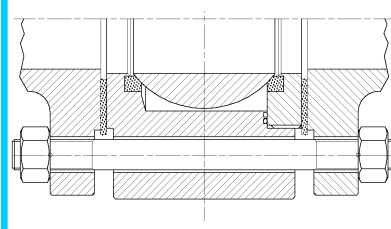
O



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

3

O

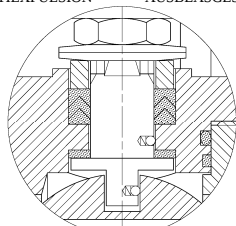


-MONTAGGIO BULLONI
-BOLTS ASSEMBLING
-MONTAGE BOULONS
EINBAU MIT ZUGBOLZEN

4

S

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



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

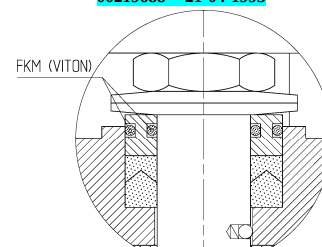
C.N.C. TOOLING



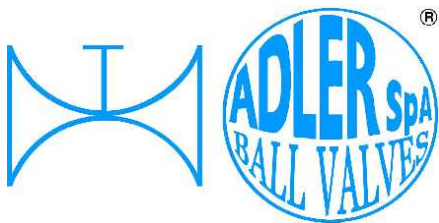
6

BREVETTO – PATENTED
00219688 - 21-04-1993

O



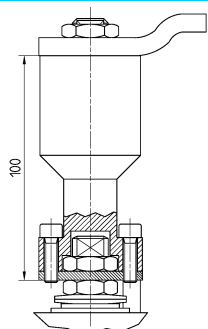
-“O” RING STELO
-“O” RING ON STEM
-TIGE AVEC “O” RING
-“O” RING IM SPINDELBEREICH



ISO 9001 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

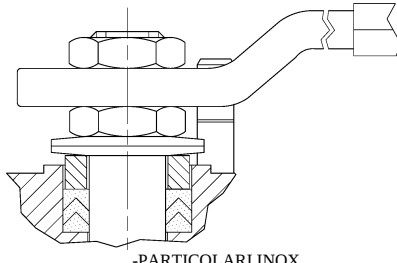
TYPE
FX2
PN 10 ÷ 40
ANSI 150

7



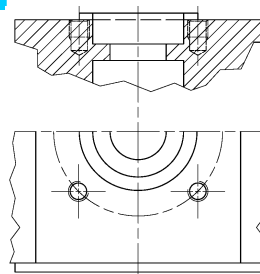
-PROLUNGA STELO -STEM EXTENSION
-TIGE PROLONGEE -SPINDELVERLÄNGERUNG

8



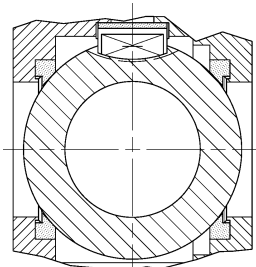
-PARTICOLARI INOX
-STAINLESS STEEL DETAILS
-ACCESSOIRES EN INOX
-EDELSTAHLTEILE

9



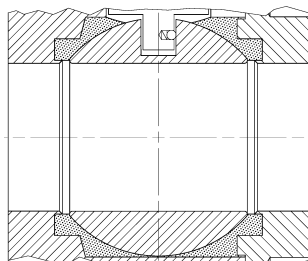
-ATTACCO "ISO" -"ISO" CONNECTIONS
-SYSTEM "ISO" -ANSCHLUSS "ISO"

10



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

11



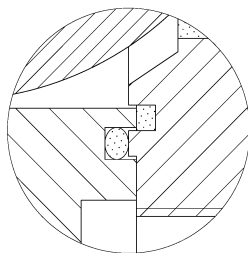
-TENUTE INTEGRALE -POCKETLESS SEATS
-TENUE INTEGRALE -TOTRAUMARM
-P.T.F.E. / R.T.F.E.

12

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



13

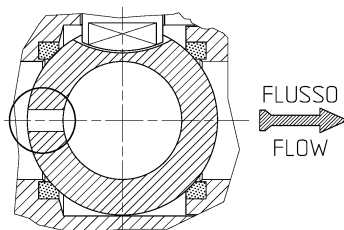


BREVETTO - PATENTED
00219619 - 21-04-1993

-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

AQUILA - AEGLE - AIGLE
ADLER

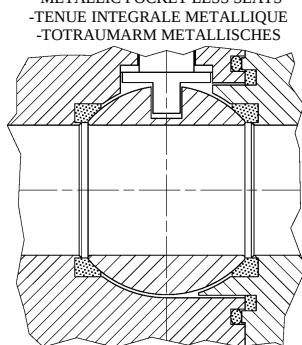


16



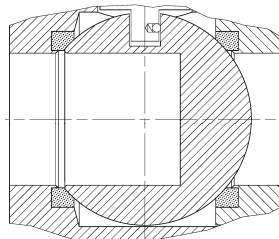
-FIRE SAFE ISO FT+ "O" RING STELO
-FIRE SAFE ISO FT+ "O" RING ON STEM
-SECURITE FEU ISO FT+ TIGE AVEC "O" RING
-FEUERSICHERE AUSFÜHRUNG ISO FT+
"O" RING IM SPINDELBEREICH

17

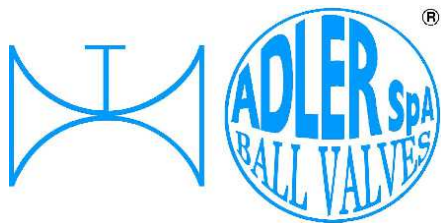


-TENUTA INTEGRALE METALLICA
-METALLIC POCKETLESS SEATS
-TENUE INTEGRALE METALLIQUE
-TOTRAUMARM METALLISCHES

18



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



ISO 9001 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
FX2
 PN 10 ÷ 40
 ANSI 150

VITI D'ASSEMBLAGGIO PER FX2 - ASSEMBLING SCREWS FOR FX2 - VIS D'ASSEMBLAGE POUR FX2- MONTAGESCHRAUBEN FÜR FX2

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 X50		
16	8	M12 X30	8	M12 X30	8	M12 X30	8	M16 X35	8	M16 X35	8	M16 X40	8	M16 X40	16	M16 X40	16	M16 X40	16	M16 X45	16	M20 X45	24	M20 X50	24	M24 X50
25	8	M12 X30	8	M12 X35	8	M12 X35	8	M16 X40	8	M16 X40	8	M16 X40	16	M16 X45	16	M16 X45	16	M20 X50	16	M24 X55	16	M24 X55	24	M24 X60	24	M27 X60
40	8	M12 X30	8	M12 X35	8	M12 X35	8	M16 X40	8	M16 X40	8	M16 X40	16	M16 X45	16	M16 X45	16	M20 X50	16	M24 X55	16	M24 X55	24	M27 X65	24	M30 X65

* N° 8 per UNI 2223/2229

ANSI METRIC

(STANDARD ADLER)

Ø Rating	½"		¾"		1"		1 ¼"		1 ½"		2"		2 ½"		3"		4"		5"		6"		8"		10"	
150	8	M14 X30	8	M14 X30	8	M14 X30	8	M14 X35	8	M14 X35	8	M16 X40	8	M16 X40	8	M16 X45	16	M16 X45	16	M20 X50	16	M20 X50	16	M20 X50	24	M24 X70

ANSI B1.1 UNC

(ON REQUEST)

Ø Rating	½"		¾"		1"		1 ¼"		1 ½"		2"		2 ½"		3"		4"		5"		6"		8"		10"	
150	8	1/2 X 1 ¼	8	1/2 X 1 ¼	8	1/2 X 1 ¼	8	1/2 X 1 ¼	8	5/8 X 1 ½	8	5/8 X 1 ½	8	5/8 X 1 ¾	8	5/8 X 1 ¾	16	5/8 X 1 ¾	16	3/4 X 2	16	3/4 X 2	16	3/4 X 2	24	7/8 X 2 ¾

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

