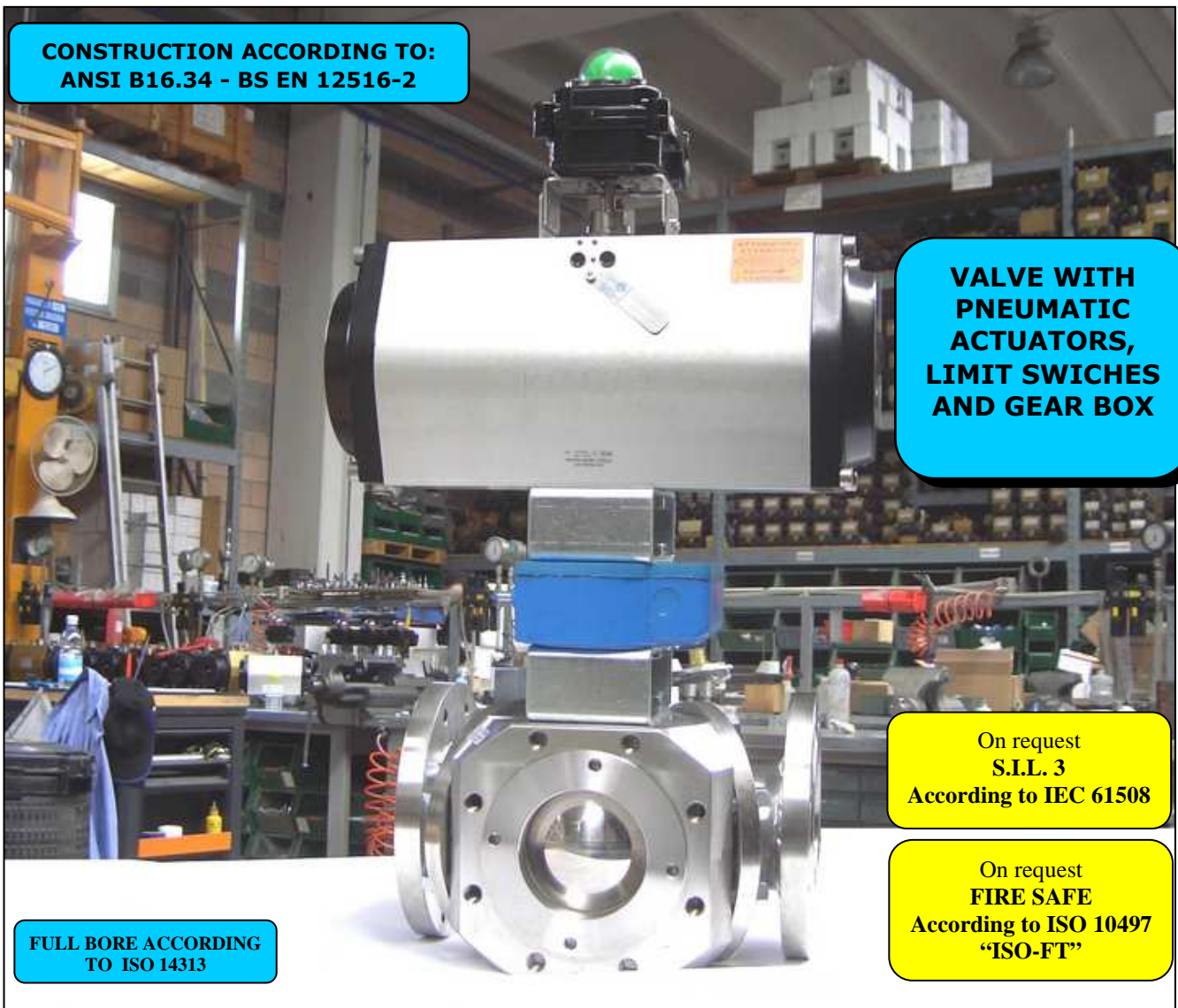


ISO 9001 by L.R.
PED DIR. 2014/68/UE by L.R.
ATEX DIR. 2014/34/UE by B.V.
FIRE SAFE EXECUTION by L.R.
ISO 15848 by TÜV
ANTISTATIC DEVICE by L.R.
FIRE SAFE TESTED ISO 10497 by L.R.
EAC CERTIFICATION by B.V

TYPE
FV4
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°



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

VALVE WITH
PNEUMATIC
ACTUATORS,
LIMIT SWITCHES
AND GEAR BOX

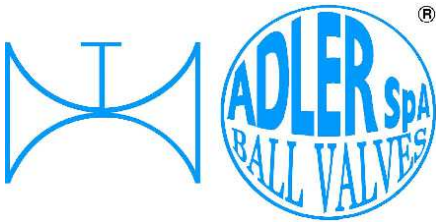
On request
S.I.L. 3
According to IEC 61508

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

FULL BORE ACCORDING
TO ISO 14313

BALL VALVES "3 WAY WAFER" 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

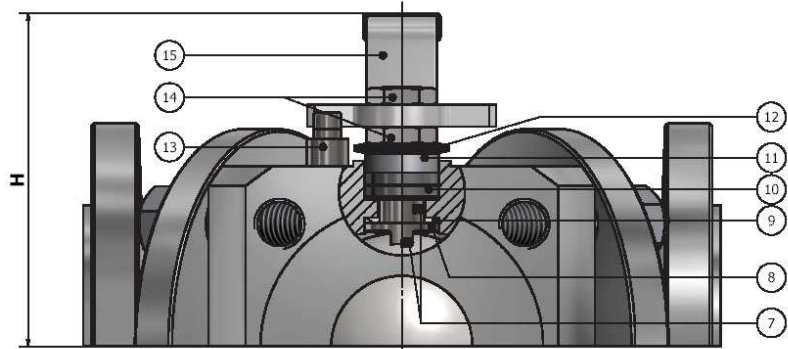


ISO 9001 by L.R.
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 ATEX DIR. 2014/34/UE by B.V.
 FIRE SAFE EXECUTION by L.R.
 ISO 15848 by TÜV
 ANTISTATIC DEVICE by L.R.
 FIRE SAFE TESTED ISO 10497 by L.R.
 EAC CERTIFICATION by B.V

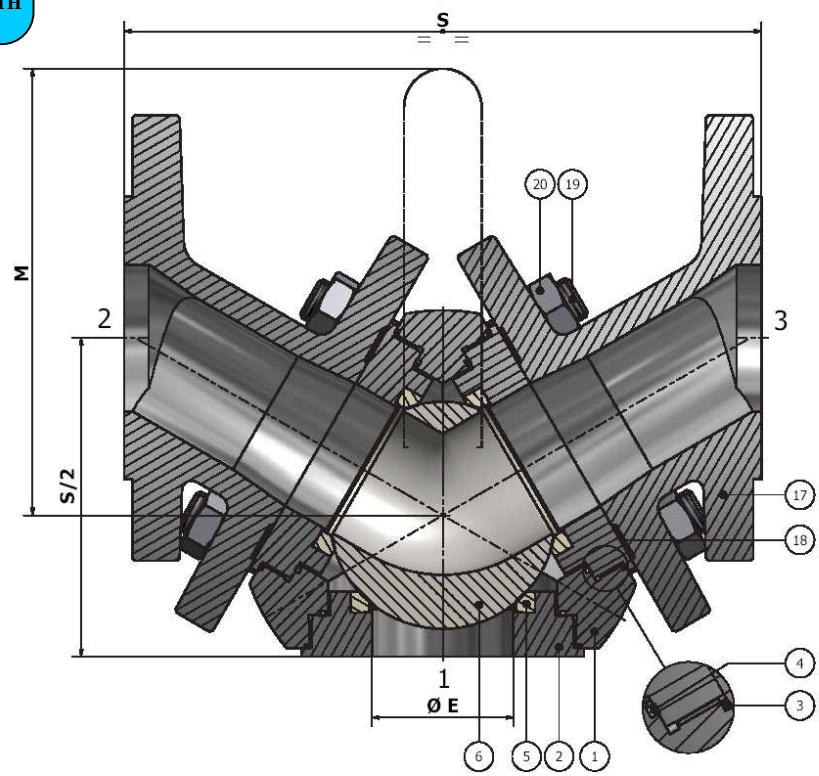
TYPE
FV4
 PN 10 ÷ 40
 ANSI 150

VALVOLA A SFERA "3 VIE CORPO PIATTO" PASSAGGIO TOTALE 90°
BALL VALVES "3 WAY WAFER" FULL BORE 90°
ROBINETS A BOISSEAU SPHERIQUE "3 VOIES WAFER" PASSAGE INTEGRAL 90°
KUGELHÄHNE "3 WEGE KOMPAKTHAHN" VOLLER DURCHGANG 90°

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

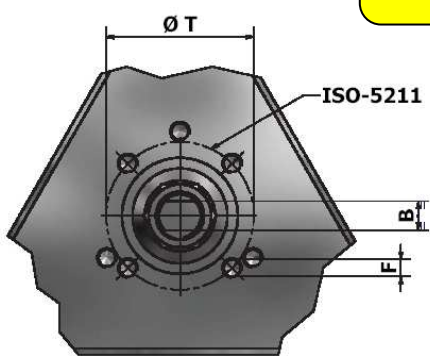
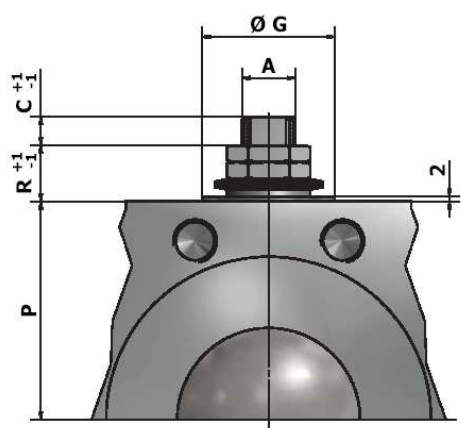


DN 150 ÷ 200
 -CONSIGLIATO RIDUTTORE MANUALE
 -MANUAL GEAR BOX SUGGESTED
 -REDUCTEUR MANUEL CONSEILLE
 -EMPFEHLEN WIR EIN HANDGETRIEBE



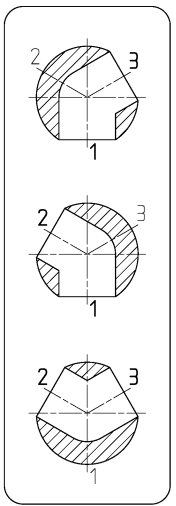
VISUALIZZA 3D VIEW 3D

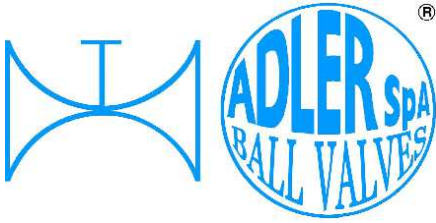
<https://adlerspa.com/prodotti/fv4>



Per montaggio con guarnizioni spiro metalliche, contattare Adler Spa.
 For assembling with spiral-wound gaskets, contact Adler Spa

ISO-5211
 POSIZIONI OTTENIBILI
 OBTAINABLE POSITIONS
 POSITIONS OBTENABLES
 MÖGLICHE STELLUNGEN





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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
FV4
 PN 10 ÷ 40
 ANSI 150

N.	DESCRIZIONE DESCRIPTION BESCHREIBUNG	MATERIALI MATERIALS MATERIAUX WERKSTOFFE
1	CORPO BODY CORPS MITTE	ASTM A105 ASTM A479 316/316L ASTM A351 CF8M
2	GHIERA INSERT EMBOUT GEWINDEDRUCKRING	ASTM A105 ASTM A479 316/316L ASTM A351 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
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

N.	DESCRIZIONE DESCRIPTION BESCHREIBUNG	MATERIALI MATERIALS MATERIAUX WERKSTOFFE
11	PREMIBUSSOLA PRESSING BUSH PRESSE RONDELLE STOPFBUCHSDRUCKRING	ASTM A479 304
12	MOLLE A TAZZA SPRING WASHERS RONDELLES BELLEVILLE TELLERFEDERN	C72/50Cr V4 X10CrNi18.8 ZINCATO - GALVANIZED - ZINGUE - VERZINKT ON REQUEST
13	VITE DI FERMO E FERMO PIN AND STOP PIN PLOT 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	AISI 1010 ASTM A479 304 CHROMED FOR S.S. VALVES PAINTED FOR C.S. VALVES ON REQUEST
15	LEVA WRENCH LEVIER HANDHEBEL	AISI 1010 ASTM A479 304 CHROMED FOR S.S. VALVES PAINTED FOR C.S. VALVES ON REQUEST
16		
17	LATERALE END LATERAL ENDE	ASTM A 216 WCB ASTM A351 CF8M
18*	GUARNIZIONE GASKET JOINT DICHTRING	P.T.F.E.
19	TIRANTE BOLT BOULON ZUGBOLZEN	ASTM A 193 B7 ZINCATO - GALVANIZED ZINGUE - VERZINKT
20	DADO NUT ECROU MUTTEI	UNI 3740 - 6S ZINCATO - GALVANIZED ZINGUE - VERZINKT

* RICAMBI CONSIGLIATI - RECOMMENDED SPARE PARTS - PIÉCES DE RECHANGE CONSEILLÉES - ERSATZTEIL EMPFEHLUNG

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

DIMENSIONI - DIMENSION - DIMENSIONS - ABMESSUNGEN

DN	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300
A						16	16	22	22	30	30	42	48		
B						10	10	14	14	18	18	28	32		
C						10	10	12	12	17	17	19	20		
E						38	51	64	76	101	118	152	203		
F						M6	M6	M8	M8	M10	M10	M12	M16		
ISO						F05	F05	F07	F07	F10	F10	F12	F14		
G						35	35	55	55	70	70	85	100		
H						109	119	143	152	172	185	253	295		
M						287	287	374	374	657	657	750	900		
P						55	65	82	90,5	99,5	113	144	183		
R						20	20	23	23	26	26	34	36		
S						200	230	290	310	350	400	550	600		
T						50	50	70	70	102	102	125	140		
~Kg						19	27	39	50	63	82	150	225		
~Kg												100	162		

VEDERE
 SEE
 VOIR
 SIEHE

TYPE
F U - T - Z - 4
 PN 10 ÷ 16
 ANSI 150

DN 40 ÷ 125
 - LEVA SINGOLA
 - SINGLE WRENCH
 - LEVIER UNIQUE
 - STANDARDHANDHEBEL

DN 150 ÷ 200
 - LEVA DOPPIA
 - DUAL WRENCH
 - LEVIER DOUBLE
 - DOPPELHANDHEBEL

- 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

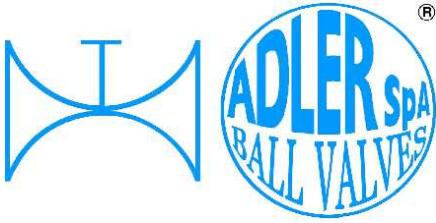
ASTM A105 ASTM / ASTM A479
 316/316L

ASTM A351 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 <http://www.adlerspa.com>

ADLER BALL VALVES FV4/21 RIPRODUZIONE VIETATA - COPYRIGHT



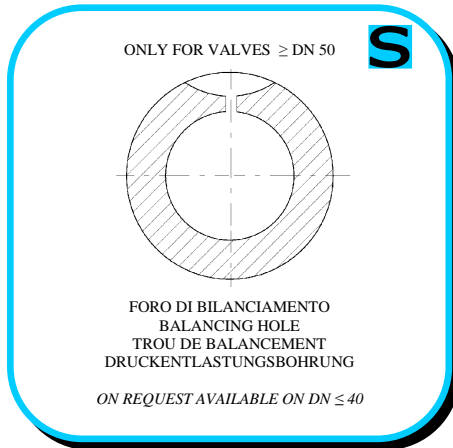
ISO 9001 by L.R.
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 ATEX DIR. 2014/34/UE by B.V.
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 ISO 15848 by TÜV
 ANTISTATIC DEVICE by L.R.
 FIRE SAFE TESTED ISO 10497 by L.R.
 EAC CERTIFICATION by B.V

TYPE
FV4
 PN 10 ÷ 40
 ANSI 150

• ESECUZIONI • EXECUTIONS • EXECUTIONS • AUSFÜHRUNGEN



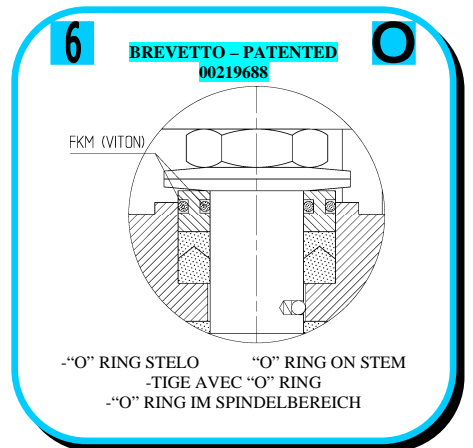
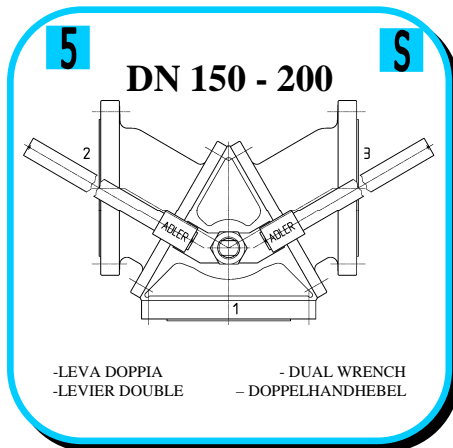
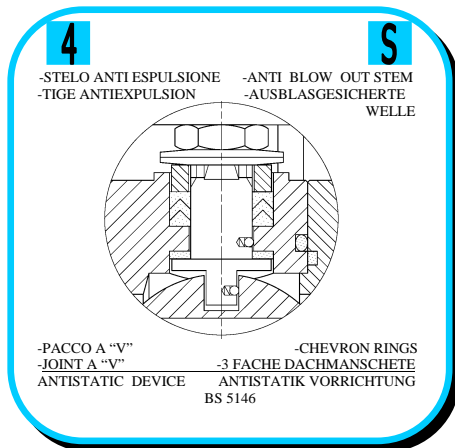
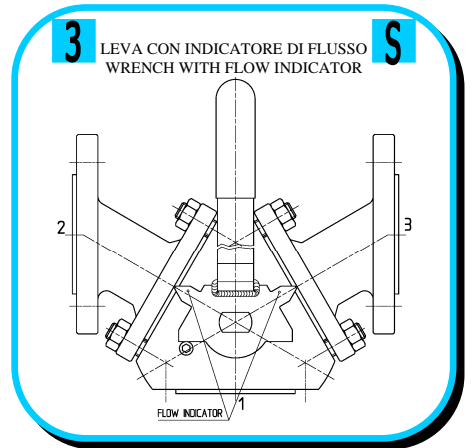
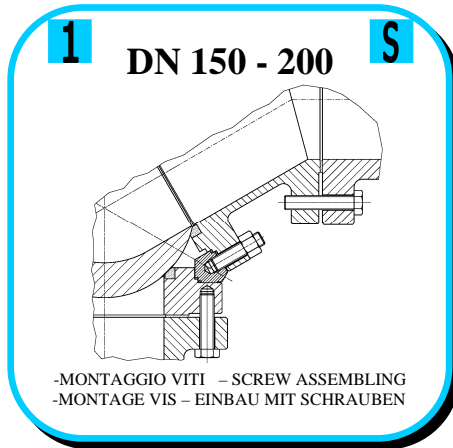
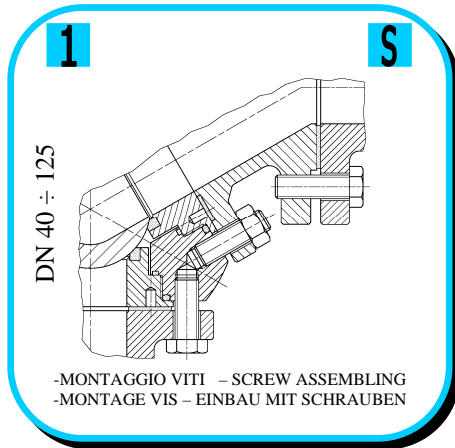
EXECUTION 4 - 12

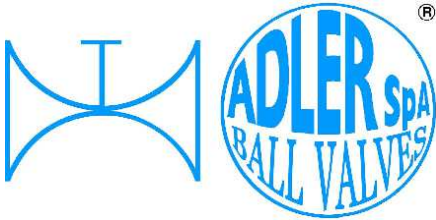


EXECUTION 6 - 16

S STANDARD

O OPTIONAL

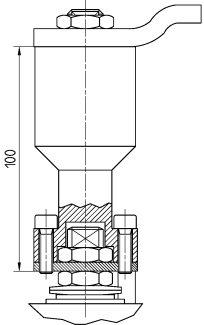




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 FIRE SAFE TESTED ISO 10497 by L.R.
 EAC CERTIFICATION by B.V

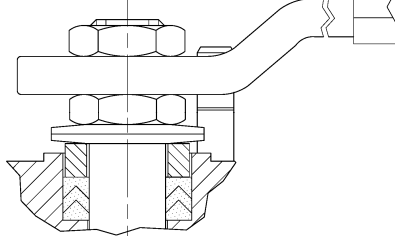
TYPE
FV4
 PN 10 ÷ 40
 ANSI 150

7



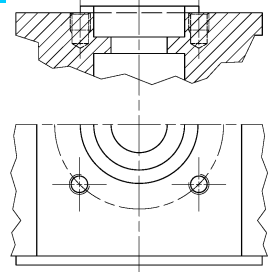
-PROLUNGA STELO -STEM EXTENSION
 -TIGE PROLONGEE -SPINDELVERLÄNGERUNG

8



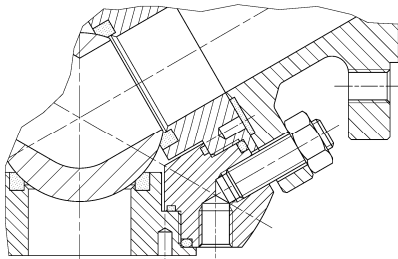
-PARTICOLARI INOX
 -STAINLESS STEEL DETAILS
 -ACCESSOIRES EN INOX
 -EDELSTAHLTEILE

9



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

10



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

ADLER

UNA GAMMA COMPLETA
 PRIVILEGIANDO LA QUALITA'
 A COMPLETE RANGE PRIVILEGING
 THE QUALITY

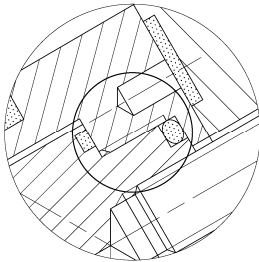
12

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



13

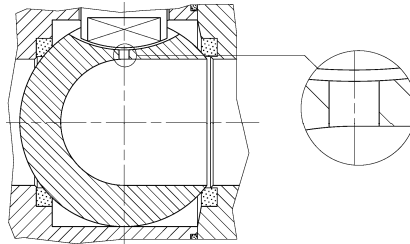
DN 40 ÷ 125



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

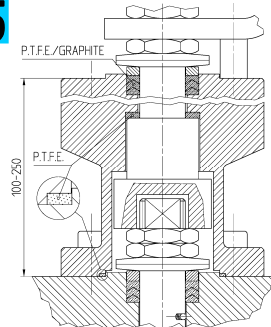
14

VEDERE / ISO 14313



-FORO DI SCARICO NELLA SFERA
 -OVERPRESSURE HOLE INTO BALL
 -TROU DECOMPRESSION DANS LA BOULE
 -ENTLASTUNGSBOHRUNG IN DER KUGEL

15



-SERVIZIO CRIOGENICO - CRYOGENIC SERVICE
 -SERVICE CRYOGENIQUE
 -TIEFTEMPERATUR SERVICE

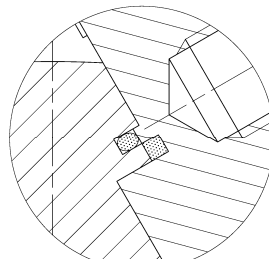
16



-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

DN 150-200

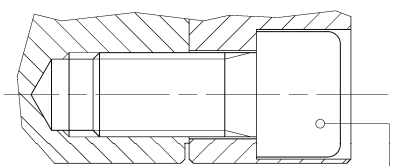


DOPPIA TENUTA - DOUBLE SEALS
 DOUBLE ETANCHEITE
 DOPPELTE ABDICHTUNG

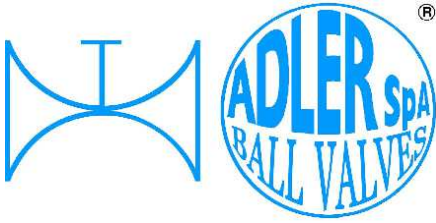
18

DN 150 ÷ 200

UNIONE CORPO LATERALE CON VITE
 BODY AND END ASSEMBLING WITH SCREW



Screw UNI 3740-8.8
 GALVANIZED



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

TYPE
FV4
 PN 10 ÷ 40
 ANSI 150

VITI D'ASSEMBLAGGIO PER FV4 - ASSEMBLING SCREWS FOR FV4 - VIS D'ASSEMBLAGE POUR FV4- MONTAGESCHRAUBEN FUR FV4
 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	
10	12	M12 X30	12	M12 X30	12	M12 X30	12	M16 X35	12	M16 X35	12	M16 X40	12	M16 X40			24	M16 X40	24	M16 X45	24	M20 X45	24	M20 X50
16	12	M12 X30	12	M12 X30	12	M12 X30	12	M16 X35	12	M16 X35	12	M16 X40	12	M16 X40	24	M16 X40	24	M16 X40	24	M16 X45	24	M20 X45		
25	12	M12 X30	12	M12 X35	12	M12 X35	12	M16 X40	12	M16 X40	12	M16 X40			24	M16 X45	24	M20 X50	24	M24 X55				
40	12	M12 X30	12	M12 X35	12	M12 X35	12	M16 X40	12	M16 X40	12	M16 X40			24	M16 X45	24	M20 X50	24	M24 X55				

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	12	M14 X30	12	M14 X30	12	M14 X30	12	M14 X35	12	M14 X35	12	M16 X40	12	M16 X40	12	M16 X45	24	M16 X45	24	M20 X50	24	M20 X50	24	M20 X50

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	12	1/2 X 1 1/4	12	1/2 X 1 1/4	12	1/2 X 1 1/4	12	1/2 X 1 1/4	12	1/2 X 1 1/2	12	5/8 X 1 1/2	12	5/8 X 1 3/4	12	5/8 X 1 3/4	24	5/8 X 1 3/4	24	3/4 X 2	24	3/4 X 2	24	3/4 X 2

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

