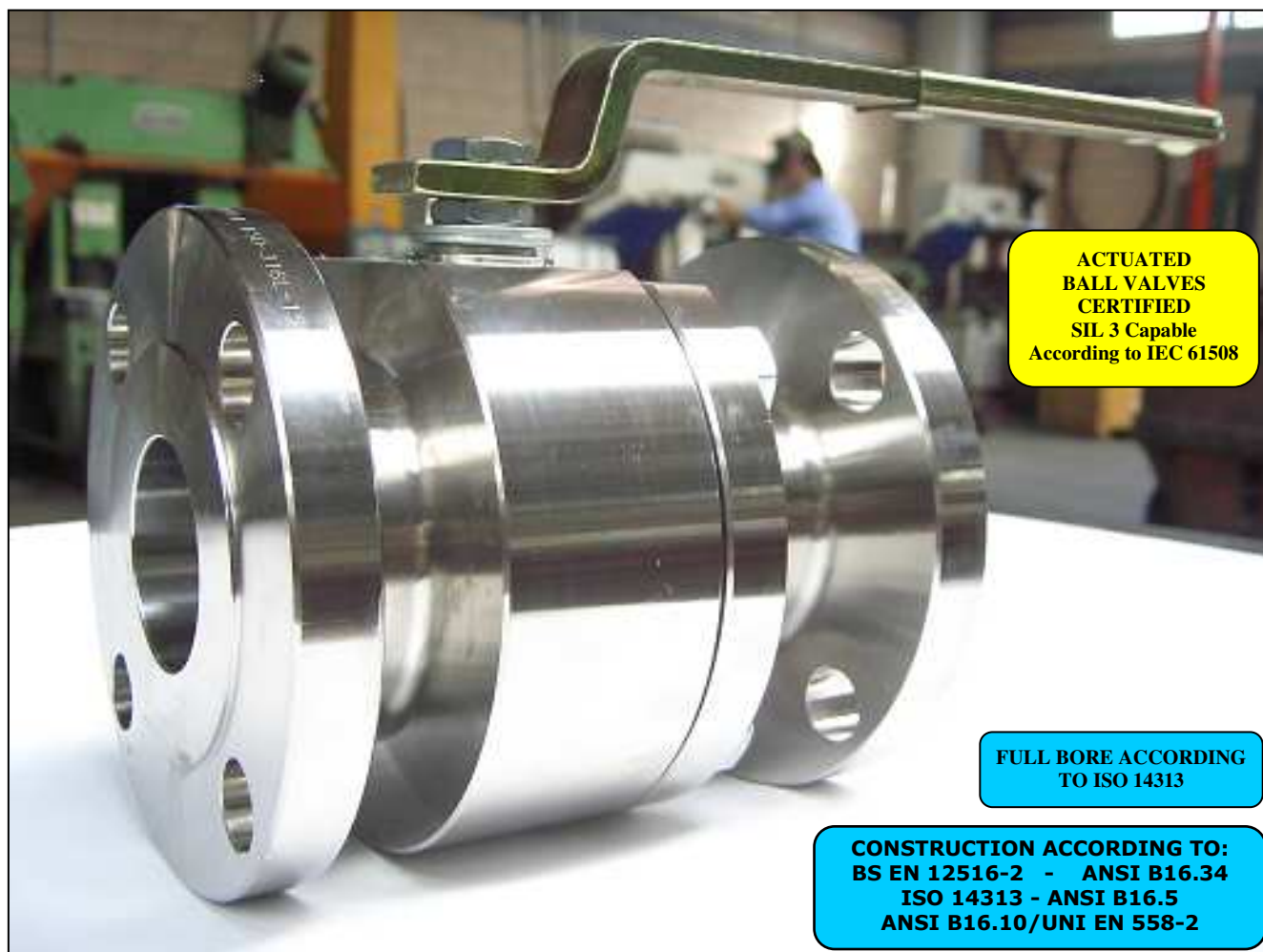


ISO 9001 by L.R.  
PED DIR. 2014/68/UE by L.R.  
ATEX DIR. 2014/34/UE by B.V.  
FIRE SAFE EXECUTION BS6755/API 607 by L.R.  
FIRE SAFE TESTED ISO 10497 by L.R.  
ISO 15848 by TÜV  
ANTISTATIC DEVICE by L.R.  
EAC CERTIFICATION by B.V.

TYPE  
**VE2**  
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" PASSAGGIO VENTURI**



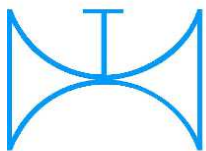
ACTUATED  
BALL VALVES  
CERTIFIED  
SIL 3 Capable  
According to IEC 61508

FULL BORE ACCORDING  
TO ISO 14313

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

**BALL VALVES  
"ANSI B16.10" VENTURI PORT  
ROBINETS A BOISSEAU SPHERIQUE  
"ANSI B16.10" PASSAGE VENTURI  
FLANSCHKUGELHÄHNE IN "ANSI B16.10"  
REDUZIERTER DURCHGANG**

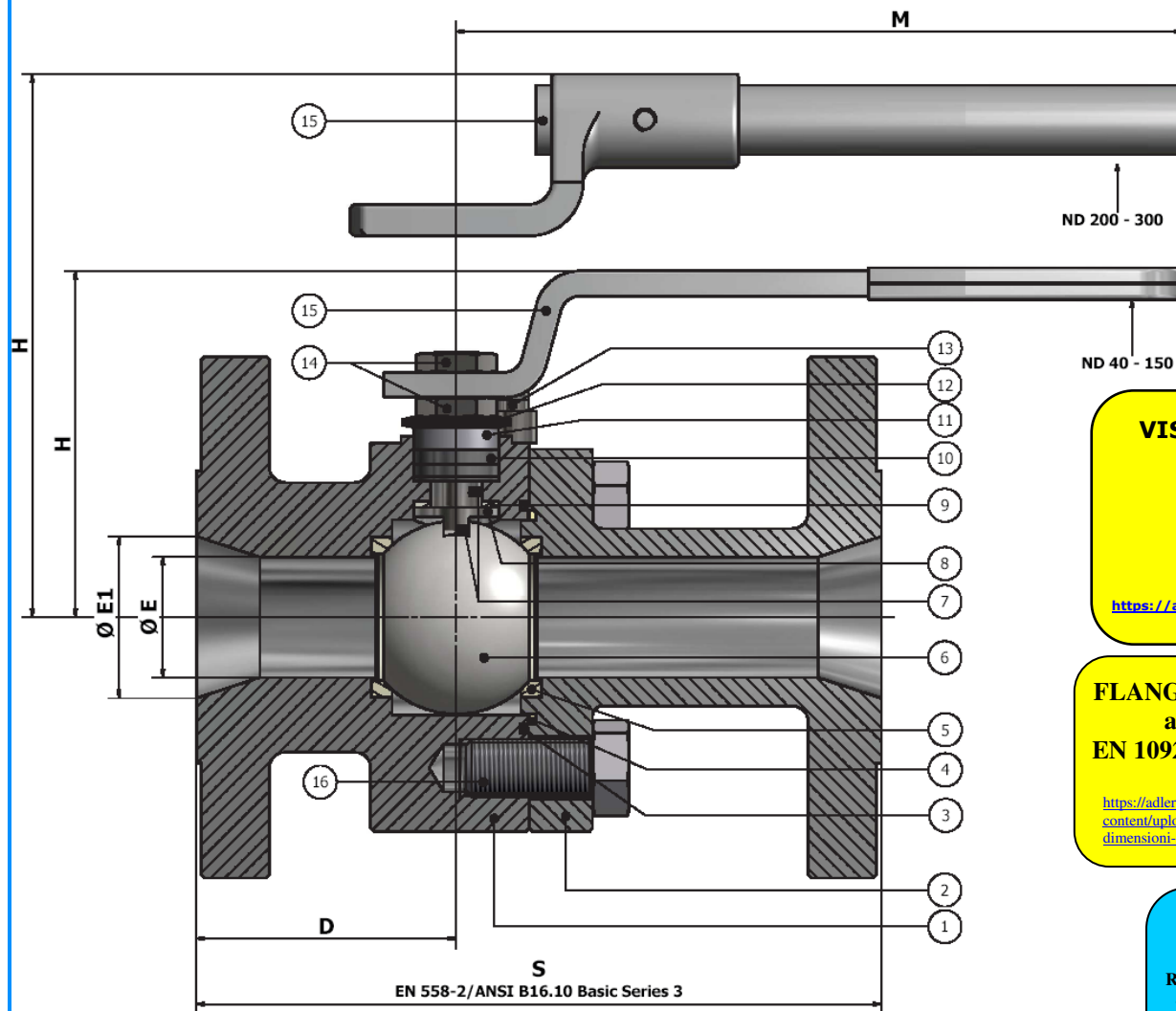
WEB SITE: [WWW.ADLERSPA.COM](http://WWW.ADLERSPA.COM)



ISO 9001 by L.R.  
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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  
**VE2**  
ANSI 150

VALVOLA A SFERA "ANSI B 16.10" PASSAGGIO VENTURI  
BALL VALVES "ANSI B 16.10" VENTURI PORT  
ROBINETS A BOISSEAU SPHERIQUE "ANSI B 16.10" PASSAGE VENTURI  
FLANSCHKUGELHÄHNE IN "ANSI B 16.10" REDUZIERTER DURCHGANG



**VISUALIZZA 3D  
VIEW 3D**



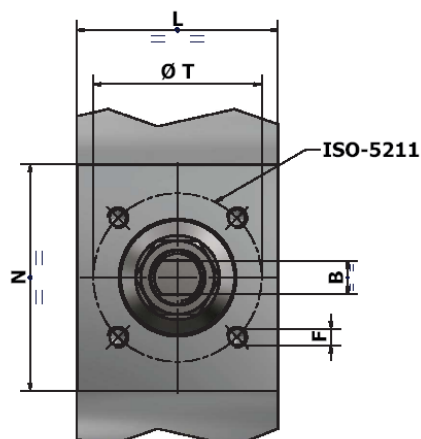
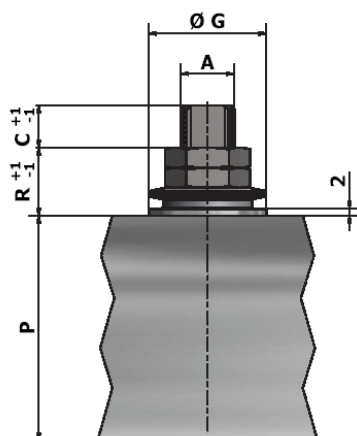
<https://adlerspa.com/prodotti/ve2>

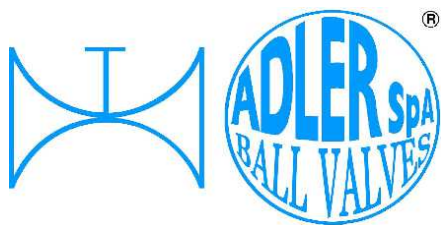
**FLANGE DIMENSIONS**  
according to  
**EN 1092-1 or ANSI B16.5**  
see table

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

**DN 300**

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





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 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  
**VE2**  
 ANSI 150

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

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

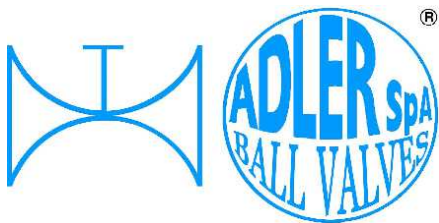
## DIMENSIONI - DIMENSION - DIMENSIONS - ABMESSUNGEN

| DN  | 15                                                        | 20 | 25 | 32 | 40   | 50  | 65  | 80  | 80  | 100  | 125  | 150  | 150   | 200 | 250   | 300 |
|-----|-----------------------------------------------------------|----|----|----|------|-----|-----|-----|-----|------|------|------|-------|-----|-------|-----|
| A   |                                                           |    |    |    | 12   | 16  | 16  | 16  | 22  | 22   | 30   | 30   | 30    | 42  | 48    | 48  |
| B   |                                                           |    |    |    | 8    | 10  | 10  | 10  | 14  | 14   | 18   | 18   | 18    | 28  | 32    | 32  |
| C   |                                                           |    |    |    | 7    | 8   | 8   | 8   | 12  | 16   | 17   | 17   | 17    | 19  | 19    | 20  |
| D   |                                                           |    |    |    | 61   | 61  | 65  | 81  | 76  | 77,5 | 89   | 119  | 109   | 122 | 144   | 158 |
| E   |                                                           |    |    |    | 30   | 38  | 51  | 51  | 64  | 76   | 101  | 101  | 118   | 152 | 187   | 203 |
| F   |                                                           |    |    |    | M5   | M6  | M6  | M6  | M8  | M8   | M8   | M8   | M10   | M12 | M16   | M16 |
| ISO |                                                           |    |    |    | F03  | F05 | F05 | F05 | F07 | F07  | F07  | F07  | F10   | F12 | F14   | F14 |
| G   | VEDERE<br>SEE<br>VOIR<br>SIEHE<br>TYPE<br>FE2<br>ANSI 150 |    |    |    | 25   | 35  | 35  | 35  | 55  | 55   | 55   | 55   | 70    | 85  | 100   | 100 |
| H   |                                                           |    |    |    | 119  | 110 | 120 | 120 | 144 | 152  | 174  | 174  | 188   | 256 | 284   | 295 |
| L   |                                                           |    |    |    | 34   | 45  | 45  | 46  | 62  | 62   | 64   | 80   | 104,5 | 128 | 146   | 170 |
| M   |                                                           |    |    |    | 185  | 280 | 280 | 280 | 370 | 370  | 470  | 470  | 650   | 750 | 900   | 900 |
| N   |                                                           |    |    |    | 40   | 60  | 62  | 64  | 84  | 73   | 81   | 115  | 107   | 139 | 147   | 141 |
| P   |                                                           |    |    |    | 46,5 | 55  | 65  | 65  | 82  | 90,5 | 99,5 | 99,5 | 113   | 144 | 172,5 | 193 |
| R   |                                                           |    |    |    | 17   | 20  | 20  | 20  | 23  | 23   | 26   | 26   | 26    | 34  | 37    | 27  |
| S   |                                                           |    |    |    | 165  | 178 | 190 | 203 | 203 | 229  | 254  | 267  | 267   | 292 | 330   | 356 |
| T   |                                                           |    |    |    | 36   | 50  | 50  | 50  | 70  | 70   | 70   | 70   | 102   | 125 | 140   | 140 |
| ~Kg |                                                           |    |    |    | 7,7  | 12  | 65  | 21  | 20  | 32,8 | 49   | 55,7 | 52,6  | 85  | 145   | 210 |

- DATI E CARATTERISTICHE SOGGETTI A VARIAZIONI SENZA PREAVVISO
- SPECIFICATIONS SUBJECT TO MODIFICATIONS WITHOUT PRIOR NOTICE
- TOUS DROITS DE MODIFICATION RESERVES
- KONSTRUKTIONÄNDERUNGEN 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](mailto:adler@adlerspa.com) <http://www.adlerspa.com>



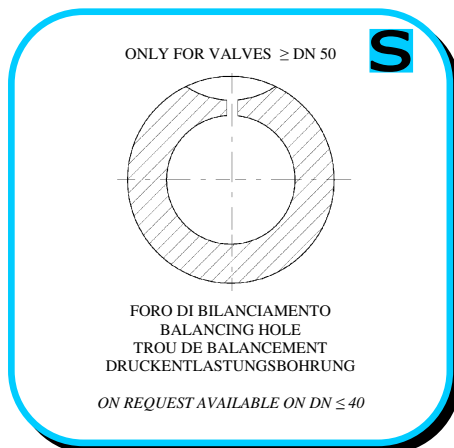
ISO 9001 by L.R.  
 PED DIR. 2014/68/UE by L.R.  
 ATEX DIR. 2014/34/UE by B.V.  
 FIRE SAFE EXECUTION BS6755/API 607 by L.R.  
 FIRE SAFE TESTED ISO 10497 by L.R.  
 ISO 15848 by TÜV  
 ANTISTATIC DEVICE by L.R.  
 EAC CERTIFICATION by B.V.

TYPE  
**VE2**  
 ANSI 150

• ESECUZIONI • EXECUTIONS • EXECUTIONS • AUSFÜHRUNGEN



EXECUTION 4 - 12



EXECUTION 6 - 16

**S** STANDARD

**O** OPTIONAL

**1**

**S**

**CARBON STEEL**  
 ASTM A105  
 DN 15 ÷ 300

**2**

**S**

**STAINLESS STEEL**  
 ASTM A479 316/316L  
 DN 15 ÷ 100  
 ASTM A351 CF8M  
 DN 125 ÷ 300

**3**

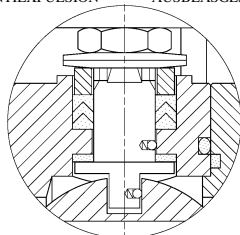
**O**

**PN**  
**10 ÷ 40**

**4**

**S**

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



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

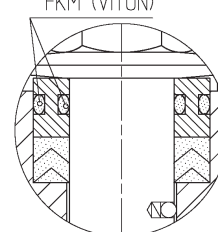
**AQUILA - EAGLE - AIGLE**  
**ADLER**



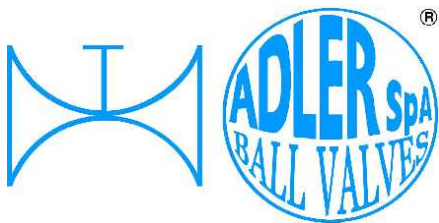
**6**

**O**

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



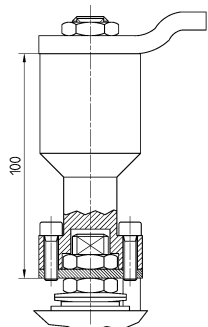
-“O” RING STELO “O” RING ON STEM  
 -TIGE AVEC “O” RING  
 -“O” RING IM SPINDELBEREICH



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.

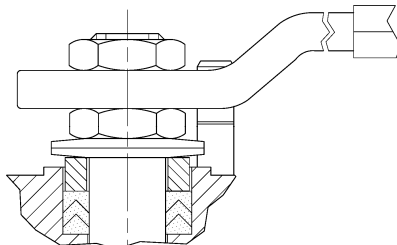
TYPE  
**VE2**  
ANSI 150

7



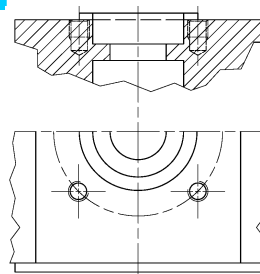
-PROLUNGA STELO -STEM EXTENSION  
-TIGE PROLONGEE -SPINDELVERLÄNGERUNG

8



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

9

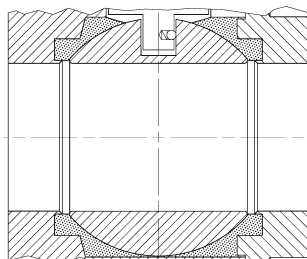


-ATTACCO "ISO" -"ISO" CONNECTIONS  
-SYSTEM "ISO" -ANSCHLUSS "ISO"

## TESTING



11



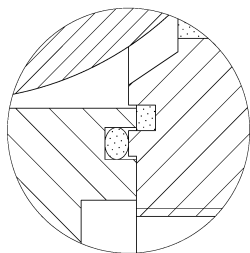
-TENUTE INTEGRALE -POCKETLESS SEATS  
-TENUE INTEGRALE -TOTRAUMARM  
-P.T.F.E. / R.T.F.E.

12

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



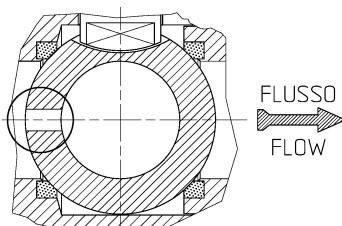
13



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

14

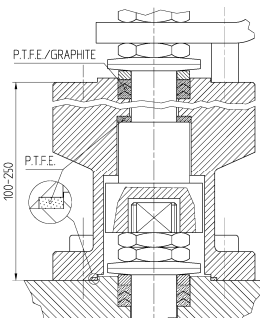
VEDERE / SEE ANSI B16.34



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



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

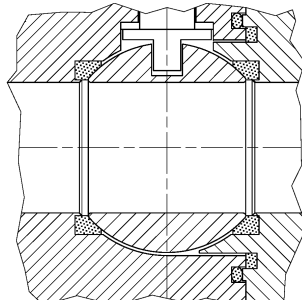
16



-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

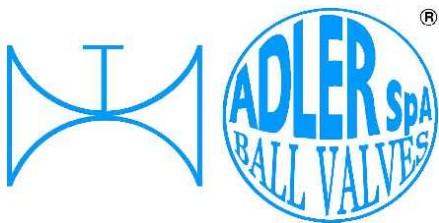
-TENUTA INTEGRALE METALLICA  
-METALLIC POCKET LESS SEATS  
-TENUE INTEGRALE METALLIQUE  
-TOTRAUMARM METALLISCH



# ADLER

UNA GAMMA COMPLETA  
PRIVILEGIANDO LA QUALITA'

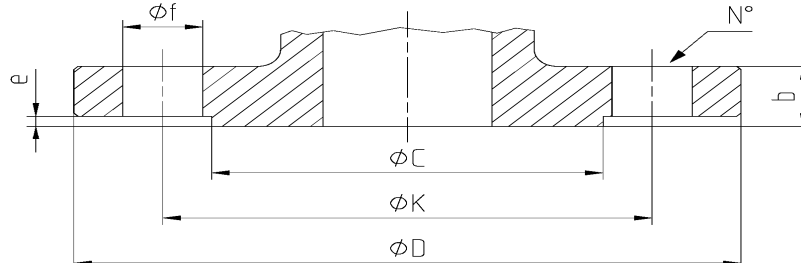
A COMPLETE RANGE PRIVILEGING  
THE QUALITY



ISO 9001 by L.R.  
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 ATEX DIR. 2014/34/UE by B.V.  
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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  
**VE2**  
 ANSI 150

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



**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    |      |      |    |        | 127    | 152.4 | 177.8  | 190.5 | 228.6 | 254   | 279.4 | 342.9 | 406.4 | 482.6 |
|             | C    |      |      |    |        | 92     | 104.7 | 127    | 157.3 | 185.7 | 215.9 | 269.8 | 269.8 | 323.9 | 381   |
|             | K    |      |      |    |        | 98.6   | 120.7 | 139.7  | 152.4 | 190.5 | 215.9 | 241.3 | 298.5 | 362   | 431.8 |
|             | N°   |      |      |    |        | 4      | 4     | 4      | 4     | 8     | 8     | 8     | 8     | 12    | 12    |
|             | f    |      |      |    |        | 19.1   | 19.1  | 19.1   | 19.1  | 19.1  | 22.4  | 22.4  | 22.4  | 25.4  | 25.4  |
|             | b    |      |      |    |        | 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   |

**EN 1092-1 (OPTIONAL)**

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

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