



Italia

CERTIFICATE TA LUFT 210616

This certificate is the result of Helium shaft leak tests performed at:

Bremer Valves S.r.l.

Trunnion Ball Valve Side Entry from NPS 10 " TO 30 " CL 300 RF/RTJ FULL BORE

with reference to the requirements of TA LUFT (Technische Anleitung zur Reinhaltung der Luft Point 5.2.6.4), to ISO / WD 15848 Part 1 and to VDI 2440

COMPANY	Bremer Valves S.r.l.
TEST LOCATION	Barzago (LC)
TIME OF TESTING	4h
TESTED VALVE	TRBV SE diameter 16" CL 300 RF full bore nominal pressure 100 bar SN 200/2011 T
REQUIREMENTS	Equivalence criteria of shaft sealing system according to TA LUFT under Point 5.2.6.4 Endurance test: 2500 cycles (15/1') at ambient temperature with pneumatic actuator ELFOR EC1-415 D Minimum acceptance level: 1×10^{-4} mbar/s
LEAK DETECTION METHOD	Helium Leak Detector / Mass Spectrometer Oerlikon Leybold type PhoeniXL 300 S.N. 90001111814
PACKING MATERIAL	See detail as per drawing No R10AA450030 Rev.0 O-ring VITON /GRAPHITE
PACKING SEALING CONFIGURATION	As per attached drawing No R10AA450030 Rev.0
TEST RESULTS	The described valve shaft sealing system satisfies the TA LUFT equivalence criteria, according to requirements ISO / WD 15848 Part 1 and to VDI 2440 and minimum acceptance level

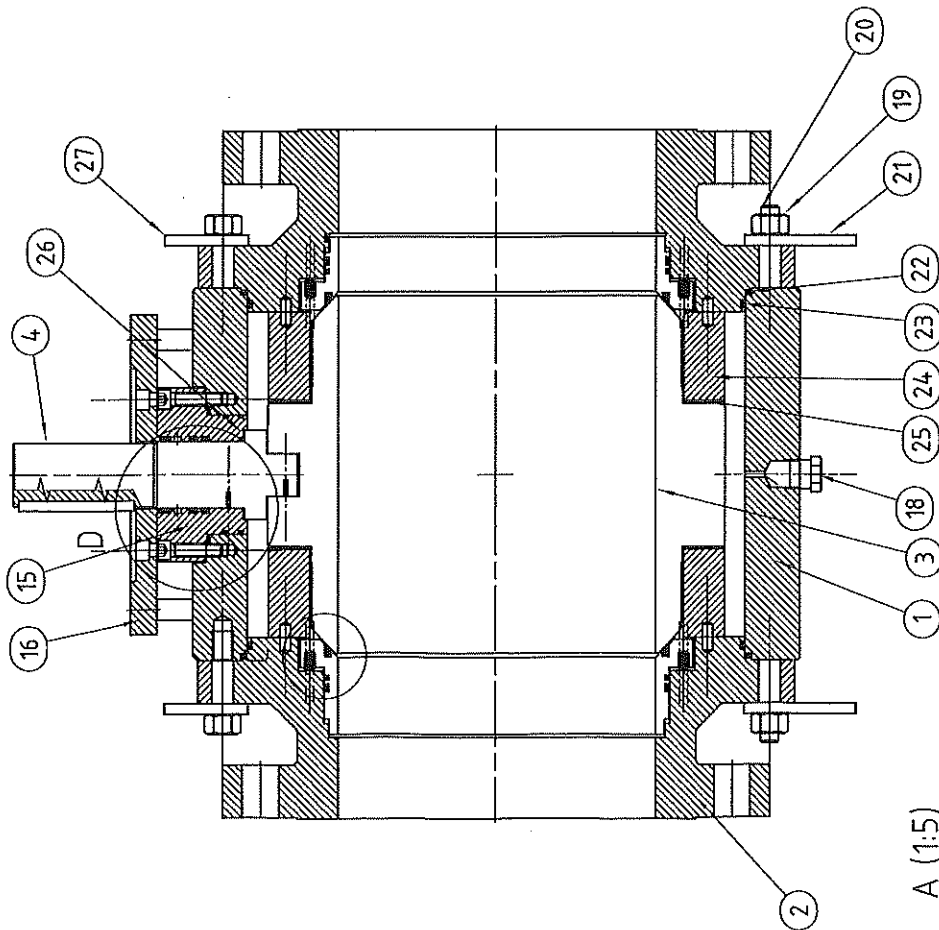
NOTE:

This certificate must be referred to BREMER Test Report No. 02/11 and the manufacturer TA Luft Test procedure P-S.01 A.

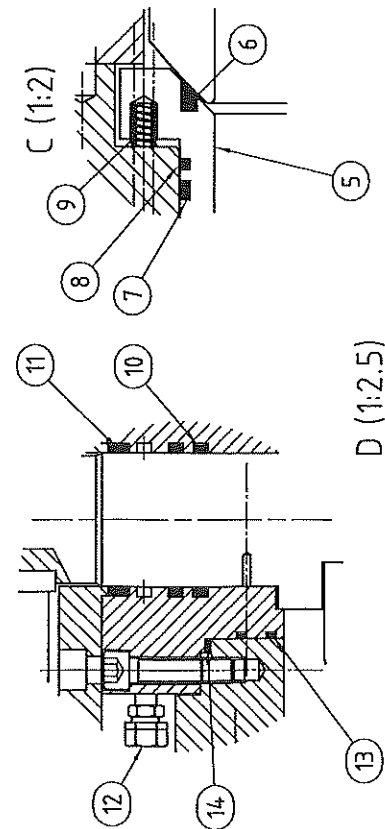
Barzago (LC)

22nd February, 2011





A (1:5)



C (1:2)

D (1:2.5)

Item	Qty	Description	Material	Notes
27	1	PIASTRA PER SOLLEVAMENTO	FE510	
26	1	WASHER STELO		
25	1	BOCCOLA SFERA		
24	1	PIASTRA SUPPORTO		
23	1	O-RING CORPO	VITON	
22	1	GUARNIZIONE FIRE SAFE CORPO	GRAFITE	
21	1	PIEDINO APPOGGIO	FE410	
20	1	TIRANTE	ASTM A193 B7	
19	1	DADO	ASTM A 194 2H	
18	1	TAPPO DRENAGGIO	AISI316	CERTIFICATO 3.1
16	1	FLANGIA MOTORE	ASTM A350 LF2/A105N	
15	1	BONNET	ASTM A350 LF2/A105N	
14	1	GUARNIZIONE FIRE SAFE BONNET	GRAFITE	
13	1	O-RING BONNET	VITON	
12	1	INGRASSATORE EMERGENZA STELO	AISI316	
11	1	GUARNIZIONE FIRE SAFE STELO	GRAFITE	
10	1	O-RING STELO	VITON	
9	1	MOLLA SEGGIO	INCONEL 750	
8	1	GUARNIZIONE FIRE SAFE SEGGIO	GRAFITE	
7	1	O-RING SEGGIO	VITON	
6	1	INSERTO SEGGIO	PA6.6+MOS	
5	1	SEGGIO	AISI316/CF8M+ENP	
4	1	STELO	AISI316 +ENP	AISI4140+ENP (12")
3	1	SFERA	ASIS316/CF8M+ENP	
2	1	CHIUSURE	ASTM A350 LF2/A105N	
1	1	CORPO	ASTM A350 LF2/A105N	

G.A. AND PART LIST FOR TRUNNION BALL VALVE SIDE ENTRY

TYPICAL COSTRUCTION FOR TA- LUFT TEST

FROM 10" UP TO 30" CL 300



BREMER VALVES S.p.A.

23890 BARZAGO (LC)
VIA VIGNATE, 3/A

Disegno:

R10AA45003000

Full-filled PED Requirement

Sost. il Dis.:

Sost. dal Dis.:

Rev. 0 1 2 3 4 5 6 7 8 9 10

Disegno

Data

Documento di proprietà riservata tutelato a termini di legge. Riproduzione vietata.