



Material & Test Certificates Valves

Client : Lurgi Oel und Gas Chemie GmbH
Lurgi-Order-No. : 4567580
Siekmann-Order-No.: 8034493

CERTIFICATE-NO.: 190-1

Lurgi-Item-No.	Lurgi-I.D.	Quantity	Page	Remarks
190	RV650	3		

Date 31.03.2005
Siekmann Econosto GmbH & Co. KG



QM Meinold Oestreich

If you need any Spare Parts or
technical support please contact:

Siekmann Econosto GmbH & Co. KG
P.O. Box 150440, D-44344 Dortmund
Freigrafenweg 2, D-44357 Dortmund
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 HEAD OFFICE AND PLANT Via G. Mazzini, 6 24060 S. Paolo D'Argon (BG) - ITALY Tel +39 035 4255211 - Fax +39 035 959210 Internet: www.afv.it - E-mail: info@afv.it		SECTION CERTIFICATE according to ☒ UNI EN 10204 - 3.1 B ☐		C' FICATE N° C 045913-019/01 Page No. 001 / 001	
FORGED STEEL VALVES Cod. Fisc. e P.IVA 03076750169 - Cap. Soc. € 8.000.000,00 i.v. Registro Imprese BG 03076750169 - R.E.A. 347477 VAT Registration Number: IT 03076750169 Sopporta attività di direzione e coordinamento da parte della società ALLBEL srl Reg. Imp. BG n° 02895260169		TEST PROCEDURE & SPECIFICATION ☒ API 598 ☒ ANSI/ASME B 16.34 ☐ ☒ MSS SP.61 ☒ BS 6755 ☐ ☐ DIN 3230 T.3 ☒ EN 12266-1 ☐			
OUR JOB N° 045913		POSITION 019		Q.TY 3	
YOUR P.O. N° 90045500PIZAGROS II -LURGI-		TEST PROCEDURE & SPECIFICATION ☒ API 598 ☒ ANSI/ASME B 16.34 ☐ ☒ MSS SP.61 ☒ BS 6755 ☐ ☐ DIN 3230 T.3 ☒ EN 12266-1 ☐			
ITEM: 19		TEST PROCEDURE & SPECIFICATION ☒ API 598 ☒ ANSI/ASME B 16.34 ☐ ☒ MSS SP.61 ☒ BS 6755 ☐ ☐ DIN 3230 T.3 ☒ EN 12266-1 ☐			
DESCRIPTION PISTON CHECK VALVE BC RB 1" F321/F321 1500 LBS SW 9BR 305 R.2 JT+SPRING		TEST PROCEDURE & SPECIFICATION ☒ API 598 ☒ ANSI/ASME B 16.34 ☐ ☒ MSS SP.61 ☒ BS 6755 ☐ ☐ DIN 3230 T.3 ☒ EN 12266-1 ☐			
TAG: RV650 - 00190 Serial Number:		TEST PROCEDURE & SPECIFICATION ☒ API 598 ☒ ANSI/ASME B 16.34 ☐ ☒ MSS SP.61 ☒ BS 6755 ☐ ☐ DIN 3230 T.3 ☒ EN 12266-1 ☐			
TEST PRESSURES ☒ BAR ☐ PSI		TEST RESULT TEST HYDROSTATIC AND PNEUMATIC VISUAL AND DIMENSIONAL TEST CONFORM ☒ NOT CONFORM ☐			
TEST PRESSURES BODY & BACKSEAT 375 275 6		TEST RESULT TEST HYDROSTATIC AND PNEUMATIC VISUAL AND DIMENSIONAL TEST CONFORM ☒ NOT CONFORM ☐			
NOTES REF. LURGI : 4567580-000/1.69690		TEST RESULT TEST HYDROSTATIC AND PNEUMATIC VISUAL AND DIMENSIONAL TEST CONFORM ☒ NOT CONFORM ☐			
COMPONENT MATERIAL HEAT NR A193 B8 cl.2 83J5 A182 F321 409820 A479 Tp 321 243106 A479 Tp 321 270101 A182 F321 429270		CHEMICAL ANALYSIS C Mn Si S P Cr Sn Nb Ta Ni Mo CE 0.016 1.650 0.430 0.003 0.028 18.330 0.021 0.020 0.250 905.00 787.00 18.50 42.50 0.030 17.140 0.021 0.020 0.250 0.045 1.640 0.440 0.023 0.030 17.140 0.021 0.020 0.250 584.00 298.00 54.86 71.15 188 201 201 196.00 194.00 0.013 1.400 0.520 0.002 0.021 17.240 0.220 10.130 0.130 0.100 0.010 75.00 0.024 0.030 17.400 0.370 9.150 0.330 582.00 277.00 54.00 72.90 260 265 263 20.00 173.00 0.019 1.820 0.380 0.024 0.030 17.100 0.370 9.700 0.330 0.100 0.016 67.51 58.40 180.00			
MECHANICAL PROPERTIES, IMPACT TESTS TENSILE Yield N/mm2 0.016 1.650 0.430 0.003 0.028 18.330 0.021 0.020 0.250 905.00 787.00 18.50 42.50 0.030 17.140 0.021 0.020 0.250 0.045 1.640 0.440 0.023 0.030 17.140 0.021 0.020 0.250 584.00 298.00 54.86 71.15 188 201 201 196.00 194.00 0.013 1.400 0.520 0.002 0.021 17.240 0.220 10.130 0.130 0.100 0.010 75.00 0.024 0.030 17.400 0.370 9.150 0.330 582.00 277.00 54.00 72.90 260 265 263 20.00 173.00 0.019 1.820 0.380 0.024 0.030 17.100 0.370 9.700 0.330 0.100 0.016 67.51 58.40 180.00		TEST TEMP. HARDNESS 9.200 280.00 0.410 0.130 172.00 0.240 0.330 0.18688 0.19986			
DECLARATION We declare that this product has been manufactured in accordance with the 'Sound Engineering Practice' as per European Directive 97/23/EC - PED Article 3.3.		DECLARATION - EACH SINGLE COMPONENT OF THE VALVE WHICH IS MENTIONED IN THIS CERTIFICATE HAS BEEN MANUFACTURED, HEAT TREATED AND TESTED FULLY IN ACCORDANCE WITH ITS OWN MATERIAL SPECIFICATION AS ABOVE INDICATED - THE REPORTED VALUES ARE STRICTLY IN ACCORDANCE WITH THE ORIGINAL MILL CERTIFICATES			
THIRD AUTHORITY DATE		CLIENT INSPECTION DEPT DATE		INSPECTION DEPT. DATE 09/03/2005	
ACHILLES REGISTERED FIRM API Q1 ISO 9001 ISO REG. N° 0357		TUV ACCREDITED ANSI-RAB QMS		LVE S.p.A. Quality Control Dept	



Material & Test Certificates Valves

Client : Lurgi Oel und Gas Chemie GmbH
Lurgi-Order-No. : 4567580
Siekmann-Order-No.: 8034493

CERTIFICATE-NO.: 200-1

Lurgi-Item-No.	Lurgi-I.D.	Quantity	Page	Remarks
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QM Meinold Oestreich

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 HEAD OFFICE AND PLANT Via G. Mazzini, 6 24060 S. Paolo D'Argon (BG) - ITALY Tel +39.035.4255211 - Fax +39.035.959210 Internet: www.lvf.it - E-mail: info@lvf.it FORGED STEEL VALVES		SECTION CERTIFICATE according to ☒ UNI EN 10204 - 3.1 B ☐		C IFICATE N° C 045913-020/01 PAGE Page No. 001 / 001																																																																																																																				
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Material & Test Certificates Valves

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CERTIFICATE-NO.: 210-1

Lurgi-Item-No.	Lurgi-I.D.	Quantity	Page	Remarks
210	RV651	2		

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0,043	1,620	0,600	0,002	0,026	17,440		9,620	0,540																																																																																																																									
539,00	225,00	49,40	73,39					175,00																																																																																																																									
DESCRIPTION PISTON CHECK VALVE BC RB 1" F321/F321 800 LBS SW BR 305 R.1 /T+SPRING		COMPONENT <table border="1"> <tr> <th>PART NAME</th> <th>MATERIAL</th> <th>HEAT NR</th> </tr> <tr> <td>BOLTS</td> <td>A193 B8 cl.2</td> <td>411294</td> </tr> <tr> <td>BONNET</td> <td>A182 F321</td> <td></td> </tr> <tr> <td>B-BUD</td> <td>872501</td> <td></td> </tr> <tr> <td>PISTON</td> <td>A479 Tp 321</td> <td></td> </tr> <tr> <td>SEAT</td> <td>243106</td> <td></td> </tr> <tr> <td></td> <td>A479 Tp 321</td> <td></td> </tr> <tr> <td>BODY</td> <td>270101</td> <td></td> </tr> <tr> <td>B-AZB</td> <td>A182 F321</td> <td></td> </tr> <tr> <td></td> <td>500940</td> <td></td> </tr> </table>		PART NAME	MATERIAL	HEAT NR	BOLTS	A193 B8 cl.2	411294	BONNET	A182 F321		B-BUD	872501		PISTON	A479 Tp 321		SEAT	243106			A479 Tp 321		BODY	270101		B-AZB	A182 F321			500940																																																																																																	
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TEST PRESSURES ☒ BAR ☐ PSI <table border="1"> <tr> <th>HYDROSTATIC</th> <th>PNEUM.</th> </tr> <tr> <td>BODY & SEAT</td> <td>SEAT</td> </tr> <tr> <td>BACKSEAT</td> <td></td> </tr> <tr> <td>200</td> <td>150</td> </tr> <tr> <td></td> <td>6</td> </tr> </table>		HYDROSTATIC	PNEUM.	BODY & SEAT	SEAT	BACKSEAT		200	150		6	TEST RESULT <table border="1"> <tr> <th>TEST</th> <th>CONFORM</th> <th>NOT CONFORM</th> </tr> <tr> <td>HYDROSTATIC AND PNEUMATIC</td> <td>☒</td> <td>☐</td> </tr> <tr> <td>VISUAL AND DIMENSIONAL TEST</td> <td>☒</td> <td>☐</td> </tr> </table>		TEST	CONFORM	NOT CONFORM	HYDROSTATIC AND PNEUMATIC	☒	☐	VISUAL AND DIMENSIONAL TEST	☒	☐																																																																																																											
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NOTES THE VALVES HAVE BEEN CLEANED AND DECREASED DEGREE OF PURITY ACC. TO LVF S.p.A. PROCEDURE CQ.19 REV.2 REF. LURGI : 4567580-000/1.69690		We declare that this product has been manufactured in accordance with the 'Sound Engineering Practice' as per European Directive 97/23/EC - PED Article 3.3. - EACH SINGLE COMPONENT OF THE VALVE WHICH IS MENTIONED IN THIS CERTIFICATE HAS BEEN MANUFACTURED, HEAT TREATED AND TESTED FULLY IN ACCORDANCE WITH ITS OWN MATERIAL SPECIFICATION AS ABOVE INDICATED - THE REPORTED VALUES ARE STRICTLY IN ACCORDANCE WITH THE ORIGINAL MILL CERTIFICATES																																																																																																																															
THIRD AUTHORITY  REGISTERED FIRM ISO 9001 ISO REG. N° 0357		CLIENT INSPECTION DEPT INSPECTION DEPT.  DATE 09/03/2005																																																																																																																															