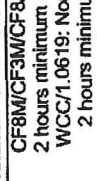

 <b>BAC VALVES</b>		<b>Tapis, 126 - P.O. Box, 13 - 17600 FIGUERES (Girona) Spain</b> <b>Tel.:</b> (34) 972 67 70 52 - <b>Fax:</b> (34) 972 50 90 40 <b>E-mail:</b> bac@bacvalves.com <b>Web:</b> www.bacvalves.com		<b>CERTIFICADO DE INSPECCIÓN EN 10.204 3.1.B</b> <b>INSPECTION CERTIFICATE ACC. TO EN 10.204 3.1.B.</b> Nº: 27232 1,000 Page no. 1 <b>30 MAY 2005</b>			
Cliente Customer	SIEKMANN ECONOSTO GmbH & Co. K			Tipo de válvula Valve type	F310.2213510805 FB PN16 1.0619 304 PTFE FS DN 80	Cantidad Quantity	10 EA
Pedido Order	27232 90078790P			Nº de serie Serial number	5000124	Norma de diseño Design Standard	DIN 3357
Norma de pruebas Test spec.	BS EN12266			Presión Pressure	24 bar	Observaciones Remarks	<b>CE</b> <b>DECLARATION OF CONFORMITY</b> We declare, that this product is in compliance with the directive 97/23/EC and was subjected to the conformity assessment procedure: <b>EC - type-examination (B) and production quality assurance (D).</b> The surveillance of the quality system is performed by Bureau Veritas (cod. 0062)
Prueba hidrostática del cuerpo (BA)				Resultado Result	OK		
Prueba hidrostática del cuerpo (BB)				Resultado Result	OK		
Prueba hidrostática del asiento (BN)				Resultado Result	OK		
Prueba hidrostática del asiento (BO)				Resultado Result	OK		

Certificado Certificate	Colada Heat	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	V	Al	Nb	N	CE	Yield	Tensile	A	Z	Impact test V1 V2 V3	°C	HB						
Item Number : 1F20.0013080	F.80.20	CF8	0,065	1,27	1,10	0,031	0,009	19,200	9,280	0,146	BALL F.80.20										CF8					158,00 174 175 20 159		
TAL																												
Item Number : 1F10.3322080	F.80.10.16	1.0619	0,200	0,81	0,46	0,027	0,010	0,123	0,060	0,013	0,039	0,003	BODY FB F.80.10.16										1.0619					38,00 41 43 20 169
			0,190	0,66	0,44	0,019	0,012	0,090	0,037	0,018	0,052	0,003																38,00 40 42 20 174
			0,220	0,76	0,50	0,014	0,015	0,145	0,040	0,025	0,040	0,003																35,00 39 46 20 172
			0,210	0,84	0,44	0,027	0,017	0,074	0,021	0,013	0,029	0,004																41,00 37 39 20 172
			0,210	0,91	0,51	0,030	0,014	0,166	0,027	0,010	0,033	0,004																45,00 39 41 20 172
			0,210	0,91	0,51	0,030	0,014	0,166	0,027	0,010	0,033	0,004																45,00 39 41 20 172
			0,200	0,76	0,43	0,023	0,016	0,068	0,020	0,015	0,038	0,003																45,00 39 41 20 169
			0,190	0,84	0,45	0,016	0,019	0,062	0,024	0,018	0,027	0,004																41,00 37 39 20 171
			0,190	0,76	0,42	0,019	0,016	0,087	0,030	0,015	0,045	0,003																38,00 40 42 20 174
			0,190	0,99	0,50	0,015	0,016	0,040	0,042	0,017	0,037	0,002																30,00 38 34 20 170
Item Number : 1F20.0013080	F.80.20	CF8	0,053	1,18	1,11	0,031	0,011	19,000	9,330	0,169	BALL F.80.20										CF8					156,00 174 175 20 153		
BAO																												
Item Number : 1F40.3322080	F.80.40.16	1.0619	0,240	0,73	0,48	0,048	0,018	0,073	0,027	0,024	CLOSURE FB F.80.40.16										1.0619					42,00 27 30 20 172		
C14629																												

<b>Tratamiento térmico / Heat Treatment:</b> CF8M/CF3M/CF8/1.4408/1.4308/1.4552/1.4581: Solution annealed to 1050-1100°C, 2 hours minimum and quenched in water. WCC/1.0619: Normalized to 930°C, 2 hours minimum. Cooling in air. Stress relief to 650°C, 2 hours minimum. Cooling in air. LCC: Normalized and tempered or liquid quenched and tempered. CA-15: Tempered at 595°C, minimum.		<b>Castings:</b> DIN 1690 Part 10 S3-V3/MSS-SP-55: OK [EN grades: AD2000-Merkblatt W5. Austenitic stainless steels: statistical process control to assure t.k. test acc. to DIN 50914, ASTM A262 Pr.E. WCC (ASTM A216-04)/LCC (ASTM A352-03)/LF2LF3 (ASTM A350-04)/CF8/CF8M/CF3/CF3M (ASTM A351-03) CA15 (ASTM A217-04)/31603/316L/304/304L (ASTM A276-04)/A105-N (ASTM A105-03)	
 <b>BAC VALVES</b>		 <b>BAC VALVES</b> Nuria Berta i Salip Quality and HSE Manager	



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BAC VALVES

**CERTIFICADO DE INSPECCIÓN EN 10.204 3.1.B**  
**INSPECTION CERTIFICATE ACC. TO EN 10.204 3.1.B.**  
Nº: 27232 1,000  
Page no. 2

Cliente  
Customer

SIEMANN ECONOSTO GmbH & Co. K

Tipo  
Type

F310.221351080S  
FB PN16 1.0619 304 PTFE FS DN 80

Cantidad  
Quantity

10 EA

Colada Heat	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	V	Al	Nb	N	CE	Yield	Tensile	A	Z	Impact test V1 V2 V3	°C	HB
D1760	0.210	0.87	0.48	0.017	0.019	0.074	0.027	0.015	0.052	0.001	0.378	328	521	26.0	43.00	39	35	20	172		
D1755	0.220	0.85	0.47	0.023	0.016	0.065	0.034	0.014	0.032	0.004	0.383	309	534	28.0	31.00	36	39	20	170		
D1782	0.210	0.71	0.50	0.018	0.018	0.083	0.038	0.018	0.045	0.001	0.354	323	526	25.0	34.00	39	37	20	172		
D1783	0.180	0.73	0.41	0.013	0.016	0.075	0.032	0.016	0.042	0.004	0.326	315	524	25.0	40.00	41	38	20	172		
D1785	0.210	0.74	0.44	0.022	0.013	0.116	0.033	0.012	0.058	0.004	0.366	333	514	28.0	37.00	38	44	20	170		
D1786	0.180	0.80	0.40	0.020	0.015	0.112	0.036	0.027	0.041	0.007	0.348	317	531	27.0	38.00	40	43	20	169		
D1792	0.190	0.75	0.43	0.015	0.012	0.097	0.024	0.017	0.034	0.004	0.342	330	516	25.0	32.00	35	38	20	170		
D1793	0.190	0.89	0.47	0.019	0.019	0.091	0.038	0.018	0.086	0.006	0.370	319	527	26.0	38.00	40	34	20	170		
D1900	0.190	0.74	0.49	0.012	0.015	0.073	0.028	0.026	0.034	0.002	0.338	329	522	29.0	37.00	31	35	20	172		
D3088	0.190	0.76	0.45	0.017	0.016	0.043	0.041	0.016	0.037	0.002	0.334	317	523	25.0	35.00	37	34	20	168		
D3954	0.190	0.80	0.54	0.016	0.017	0.041	0.043	0.015	0.036	0.003	0.340	325	517	28.0	35.00	38	32	20	172		
Item Number : 1F10.3322080 F.80.10.16 1.0619 LeUSN : 6000420 BODY FB F.80.10.16 1.0619																					
D1771	0.190	0.65	0.44	0.019	0.012	0.090	0.037	0.018	0.052	0.003	0.328	314	533	25.0	38.00	40	42	20	174		
D1772	0.220	0.62	0.50	0.012	0.016	0.117	0.052	0.018	0.037	0.002	0.357	325	529	26.0	39.00	43	41	20	173		
D1773	0.220	0.76	0.50	0.014	0.015	0.145	0.040	0.025	0.040	0.003	0.367	321	526	26.0	35.00	39	46	20	172		
D1774	0.210	0.84	0.44	0.027	0.017	0.074	0.021	0.013	0.029	0.004	0.372	322	525	28.0	41.00	37	39	20	172		
D1776	0.210	0.91	0.51	0.030	0.014	0.166	0.027	0.010	0.033	0.004	0.402	331	518	25.0	45.00	39	41	20	172		
D1777	0.200	0.76	0.43	0.023	0.016	0.068	0.020	0.015	0.038	0.003	0.348	336	513	25.0	45.00	39	41	20	169		
D1778	0.180	0.84	0.45	0.016	0.019	0.062	0.024	0.018	0.027	0.004	0.350	319	530	28.0	41.00	37	39	20	171		
D1779	0.190	0.66	0.44	0.019	0.012	0.090	0.037	0.018	0.052	0.003	0.328	314	533	25.0	38.00	40	42	20	174		
D3928	0.210	0.94	0.44	0.017	0.015	0.042	0.040	0.016	0.037	0.002	0.384	326	520	27.0	32.00	36	33	20	173		
D3975	0.190	0.89	0.40	0.017	0.015	0.039	0.043	0.018	0.037	0.001	0.322	306	534	25.0	35.00	32	36	20	169		
D3988	0.190	0.72	0.43	0.018	0.016	0.043	0.039	0.017	0.036	0.002	0.327	312	526	28.0	32.00	34	31	20	168		
D0435	0.200	1.06	0.48	0.030	0.014	0.095	0.089	0.012	0.029	0.002	0.406	319	529	27.0	35.00	38	43	20	170		
D0523	0.200	0.81	0.46	0.027	0.010	0.123	0.060	0.013	0.039	0.003	0.369	324	530	26.0	38.00	41	43	20	169		
Item Number : 1F30.0018080 F.80.30 304 LeUSN : 6000028 STEM F.80.30 304																					
B28517	0.230	1.48	0.42	0.029	0.030	18.080	8.050	328	626	48.0	20	179									

BAC VALVES, S.A.



13/05/05

Nuria Berta i Salip  
Quality and HSE Manager