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 BAC VALVES		Tapis, 126 - P.O. Box, 13 - 17600 FIGUERES (Girona) Spain Tel.: (34) 972 67 70 52 - Fax: (34) 972 50 90 40 E-mail: bac@bacvalves.com Web: www.bacvalves.com		CERTIFICADO DE INSPECCIÓN EN 10.204 3.1.B INSPECTION CERTIFICATE ACC. TO EN 10.204 3.1.B. Pag. Nº 1 Page no. 27419 2,000 27 JUNI 2005	
Cliente Customer	SIEKMANN ECONOSTO GmbH & Co. K			Tipo de válvula Valve type	F340.221151050S FB PN40 1.0619 316 PTFE FS DN 50
Pedido Order	27419 90082990P			Nº de serie Serial number	5000346
Norma de pruebas Test spec.	BS EN12266			Observaciones Remarks	Pos. 8 Remar. H 13005 H1
Prueba hidrostática del cuerpo (BA) Hydrostatic shell test	Presión Pressure	60 bar	Tiempo Duration	1 min	Resultado Result
Prueba asiento doble bloqueo (BB) Block and bleed test					OK
Prueba hidrostática del asiento (BN) Hydrostatic seat test					OK
Prueba neumática del asiento (BO) Pneumatic seat test		06 bar	2 min		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 : IF40.3522050																						F.50.40.40 1.0619										Lot/SN : 6001047										CLOSURE FB F.50.40.40 1.0619									
390		0.200	0.90	0.53	0.010	0.020	0.111	0.040	0.012	0.042	0.003				0.381	317	532	28.0		34.00	37	36	20	170																											
392		0.180	0.81	0.41	0.025	0.020	0.064	0.045	0.017	0.047	0.002				0.338	324	519	28.0		36.00	41	39	20	172																											
1550		0.200	0.90	0.48	0.013	0.017	0.079	0.023	0.026	0.034	0.003				0.359	312	527	25.0		35.00	31	36	20	168																											
366		0.210	0.79	0.44	0.019	0.009	0.071	0.047	0.028	0.019	0.002				0.366	316	526	25.0		38.00	41	42	20	174																											
369		0.200	0.81	0.44	0.019	0.019	0.076	0.038	0.008	0.045	0.004				0.358	318	530	29.0		42.00	39	41	20	170																											
370		0.200	0.90	0.53	0.010	0.020	0.111	0.040	0.012	0.042	0.003				0.381	317	532	28.0		34.00	37	36	20	170																											
386		0.190	0.84	0.42	0.013	0.013	0.048	0.055	0.016	0.035	0.003				0.349	326	517	27.0		38.00	35	41	20	170																											
387		0.190	0.84	0.47	0.011	0.016	0.065	0.020	0.011	0.056	0.004				0.372	320	523	26.0		42.00	36	37	20	170																											
1552		0.190	0.86	0.44	0.014	0.017	0.129	0.038	0.026	0.036	0.002				0.370	318	525	26.0		38.00	31	35	20	170																											
1555		0.200	0.78	0.49	0.015	0.017	0.094	0.026	0.026	0.036	0.002				0.359	326	520	28.0		32.00	36	33	20	173																											
1558		0.200	0.77	0.42	0.012	0.017	0.128	0.084	0.026	0.042	0.002				0.368	332	524	24.0		39.00	42	44	20	172																											
1566		0.190	0.71	0.45	0.022	0.016	0.094	0.038	0.024	0.046	0.003				0.338	320	524	28.0		31.00	35	33	20	171																											
1568		0.210	0.81	0.40	0.013	0.017	0.102	0.025	0.026	0.036	0.003				0.375	325	518	27.0		32.00	37	34	20	170																											
2292		0.190	0.85	0.47	0.020	0.013	0.074	0.032	0.026	0.034	0.003				0.357	335	522	26.0		38.00	40	44	20	169																											
2383		0.220	0.84	0.46	0.023	0.017	0.093	0.027	0.018	0.035	0.002				0.387	328	519	28.0		38.00	40	35	20	172																											
2388		0.190	0.75	0.42	0.019	0.012	0.081	0.034	0.031	0.040	0.002				0.343	334	521	26.0		41.00	37	40	20	172																											
2392		0.190	0.83	0.44	0.030	0.017	0.155	0.043	0.012	0.033	0.002				0.367	314	526	27.0		39.00	36	40	20	170																											
2393		0.190	0.83	0.44	0.030	0.017	0.155	0.043	0.012	0.033	0.002				0.367	314	526	27.0		39.00	36	40	20	170																											

Tratamiento térmico / Heat Treatment:	Castings:
CF8M/CF3M/CF8/1.4408/1.4501/4308/1.4552/1.4581: 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.	DIN 1690 Part 10 S3-V3/ISS-SP-55; OK [EN grades: AD2000-Merkblatt W5. Austenitic stainless steels: statistical process control to assure I.K. test acc. to DIN 50914, ASTM A262 Pt.E. WCC (ASTM A216-04)/LCC (ASTM A352-03)/LF2LF3 (ASTM A350-04)/CF8CF8M/CF3CF3M (ASTM A351-03) CA15 (ASTM A217-04)/316L/304/304L (ASTM A276-04)/A105-N (ASTM A105-09) 13/06/05
BAC VALVES, S.A.  Nuria Barba i Salip Quality and HSE Manager	



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Tel.: (34) 972 67 70 52 - Fax: (34) 972 50 90 40
E-mail: bac@bacvalves.com Web: www.bacvalves.com

BAC VALVES

CERTIFICADO DE INSPECCIÓN EN 10.204 3.1.B
INSPECTION CERTIFICATE ACC. TO EN 10.204 3.1.B.

Nº: 27419 2,000
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Cliente Customer		SIKEMANN ECONOSTO GmbH & Co. K										Tipo Type		F340.221151050S FB PN40 1.0619 316 PTFE FS DN 50										Cantidad Quantity		20 EA	
Colada Heat		C	Mn	Si	P	S	Cr	Ni	Mo	Cu	V	Al	Nb	N	CE	Yield	Tensile	A	Z	Impact test		°C	HB				
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%				V1	V2	V3					
2398		0.210	0.79	0.46	0.028	0.014	0.066	0.050	0.015	0.034	0.003				0.364	322	530	24.0		36,00	38	45	20	174			
2399		0.200	0.83	0.43	0.022	0.016	0.105	0.068	0.018	0.042	0.003				0.371	321	535	27.0		38,00	41	44	20	170			
2406		0.200	0.77	0.44	0.024	0.012	0.119	0.040	0.018	0.046	0.003				0.362	315	527	26.0		37,00	40	42	20	172			
2408		0.210	0.68	0.40	0.027	0.011	0.100	0.034	0.018	0.044	0.003				0.353	326	516	26.0		41,00	36	44	20	170			
Item Number : 1F10.3522050		F.50.10.40 1.0619										BODY FB F.50.10.40										1.0619					
1558		0.200	0.77	0.42	0.012	0.017	0.128	0.084	0.026	0.042	0.002				0.368	332	524	24.0		39,00	42	44	20	172			
1559		0.200	0.74	0.43	0.012	0.017	0.110	0.043	0.026	0.028	0.003				0.356	330	518	28.0		36,00	35	39	20	169			
1572		0.200	0.65	0.49	0.022	0.012	0.144	0.053	0.016	0.035	0.003				0.347	321	529	26.0		37,00	32	35	20	172			
1573		0.200	0.65	0.49	0.022	0.012	0.144	0.053	0.016	0.035	0.003				0.347	321	529	26.0		37,00	32	35	20	172			
1902		0.190	0.74	0.43	0.016	0.012	0.072	0.036	0.025	0.046	0.003				0.339	337	514	26.0		42,00	39	34	20	172			
2385		0.200	0.75	0.47	0.016	0.018	0.147	0.033	0.016	0.046	0.002				0.363	320	529	26.0		36,00	38	41	20	172			
2400		0.180	0.77	0.44	0.020	0.014	0.106	0.078	0.033	0.043	0.002				0.345	327	526	25.0		41,00	40	44	20	169			
2401		0.180	0.77	0.44	0.020	0.014	0.106	0.078	0.033	0.043	0.002				0.345	327	526	25.0		41,00	40	44	20	169			
2404		0.200	0.82	0.47	0.030	0.024	0.037	0.032	0.032	0.049	0.002				0.356	328	530	29.0		41,00	35	36	20	172			
2410		0.200	0.83	0.50	0.028	0.023	0.039	0.034	0.025	0.038	0.001				0.373	316	544	25.0		40,00	39	33	20	170			
2412		0.190	0.81	0.57	0.035	0.022	0.053	0.032	0.026	0.049	0.002				0.347	337	522	28.0		32,00	36	34	20	175			
2413		0.180	0.63	0.44	0.022	0.016	0.105	0.038	0.015	0.041	0.003				0.315	315	529	26.0		34,00	38	40	20	170			
2416		0.210	0.75	0.48	0.028	0.018	0.026	0.052	0.015	0.042	0.003				0.350	327	521	25.0		38,00	32	37	20	172			
2419		0.210	0.94	0.47	0.030	0.021	0.076	0.033	0.048	0.040	0.001				0.397	324	528	27.0		34,00	30	31	20	170			
2422		0.210	0.77	0.41	0.013	0.012	0.137	0.043	0.018	0.069	0.003				0.377	326	519	25.0		42,00	35	39	20	172			
2423		0.210	0.77	0.41	0.013	0.012	0.137	0.043	0.018	0.069	0.003				0.377	326	519	25.0		42,00	35	39	20	172			
2424		0.210	0.80	0.46	0.016	0.017	0.081	0.040	0.018	0.038	0.003				0.365	322	519	26.0		37,00	34	36	20	169			
2426		0.200	0.77	0.53	0.019	0.009	0.082	0.024	0.025	0.037	0.002				0.354	319	534	24.0		36,00	35	37	20	172			
2429		0.200	0.88	0.50	0.017	0.016	0.054	0.043	0.015	0.037	0.001				0.366	317	525	26.0		32,00	36	31	20	169			
2481		0.200	0.89	0.43	0.017	0.016	0.070	0.042	0.018	0.036	0.002				0.372	326	522	27.0		33,00	31	36	20	173			
Item Number : 1F20.0011050		F.50.20 CF8M										BALL F.50.20										CF8M					
A41AE		0.050	0.83	1.27	0.033	0.012	18.200	10.200	2.190						363	525		49.0		161.00	165	173	20	163			
Item Number : 1F30.0017050		F.50.30 316										STEM F.50.30 316										316					
234034		0.015	1.47	0.61	0.029	0.026	2.130	16.900	10.100						267	584		59.0						180			



13/06/05



BAC VALVES, S.A.
 Nuria Berta i Salip
 Quality and HSE Manager