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

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
Soggetta all'attività di direzione e coordinamento da parte della società ALLBEL srl Reg.Imp. BG n° 02805260169

INSPECTION CERTIFICATE according to
[X] UNI EN 10204 - 3.1 B [ ]

TEST PROCEDURE & SPECIFICATION

[X] API 598	[X] ANSI/ASME B 16.34	[ ]
[X] MSS SP.61	[X] BS 6755	[ ]
[X] DIN 3230 T.3	[ ]	[ ]

CERTIFICATE N° **C 040791-005/01**

Page No. 001 / 001

CUSTOMER
SIEKMANN ECONOSTO GMBH & CO. KG

FREIGRAFENWEG 2
D-44357 DORTMUND ()

OUR JOB N°	POSITION
040791	005

YOUR P.O. N°
9002115OP/STOCK-DIN-GLOBE

ITEM	Q.TY
5 (40)	300 (36)

DESCRIPTION
GLOBE VALVE OS#Y BB FB FL DIN
DN25 " C22.8/1.4006*/INT+13Cr PN40 FORM B1

4B SK 215 FORM B1

TAG
DAVR418001E001

TEST PRESSURES
[X] BAR [ ] PSI

HYDROSTATIC BODY & BACKSEAT	HYDROSTATIC SEAT	PNEUM. SEAT
60	45	6

TEST RESULT
TEST HYDROSTATIC AND PNEUMATIC: [X] CONFORM [ ] NOT CONFORM
VISUAL AND DIMENSIONAL TEST: [X] CONFORM [ ] NOT CONFORM

NOTES
* HARD FACING OVERLAY: AWS R Co Cr A (STELLITE GR. 6)
MATERIAL ACCORDING TO AD2000-MERKBLATT A4

V15046 V15081 V15082 V15083 V15085
V15088 V43080 V81008 V82011 V82021
V82033 V82041 V82053 V84033 V84034
V84092 V84093 V87020 V87021 V87060
V87061 V87062 V87063 V87064 V88083
V88084 V88085 V88086 V88087 V88088
V88089 V90080 V90081 V90082 V90083
V90085

COMPONENT		CHEMICAL ANALYSIS												
PART NAME	MATERIAL	C	Mn	Si	S	P	Cr	Mo	Ni	Ti	Cu	Fe		
		Al	Co	N	V	Nb	Sn	CE	Nb+Ta					MILL #
HEAT CODE	HEAT NR	MECHANICAL PROPERTIES. IMPACT TESTS												
		TENSILE N/mm2	Yield N/mm2	ELONGATION %	RED. OF AREA %	1 JOULE	2 JOULE	3 JOULE	TEST TEMP. °C	HARDNESS HB				
BONNET	DIN 17243 (1.0460) C22.8	0,181	0,848	0,199	0,003	0,006	0,085	0,023	0,139		0,238			020094
		0,023			0,001	0,001	0,015	0,370		0,006				
B-CUO	131373	507,00	348,00	27,75	68,94					157,00				
BOLTS	EN 10269 (1.7709) 21CrMoV 5.7	0,220	0,570	0,290	0,004	0,005	1,300	0,710						020774
					0,280									
	006235	787,00	715,00	18,70	68,00									
STEM	EN 10272, (1.4006) X12Cr13	0,111	0,390	0,480	0,022	0,016	12,140		0,340					020790
	239019	710,00	655,00	20,00	68,00					216,00				
DISC	EN 10272, (1.4006) X12Cr13	0,105	0,570	0,330	0,020	0,018	12,250	0,030	0,250		0,070			015342
		0,005		0,052										
	072041	668,00	481,00	22,20	72,10					222,00				
BODY	DIN 17243 (1.0460) C22.8	0,207	0,842	0,230	0,001	0,006	0,099	0,025	0,145	0,004	0,267			020302
		0,035			0,001	0,002	0,021	0,383		0,010				
B-DCC	141200	509,00	357,00	27,40	55,11	112	120	118	-20,00	161,00				
BONNET	DIN 17243 (1.0460) C22.8	0,181	0,890	0,257	0,007	0,011	0,030	0,002	0,020		0,060			011147
		0,031			0,002	0,001	0,004							
B-AFR	29642885	480,60	313,50	28,40	68,40	173	177	170	20,00	129,00				

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 WICH 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*

Achilles STOOMWEZEN TÜV NORD HPO API APIQR REGISTERED FIRM ISO 9001 ISO REG. N°. 0357 ANSI-RAB QMS ACCREDITED

THIRD AUTHORITY	CLIENT INSPECTION DEPT	INSPECTION DEPT.
DATE	DATE	LVF S.p.A. Quality Control Dept. DATE 19/11/2004