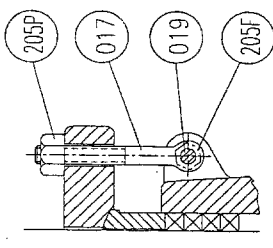
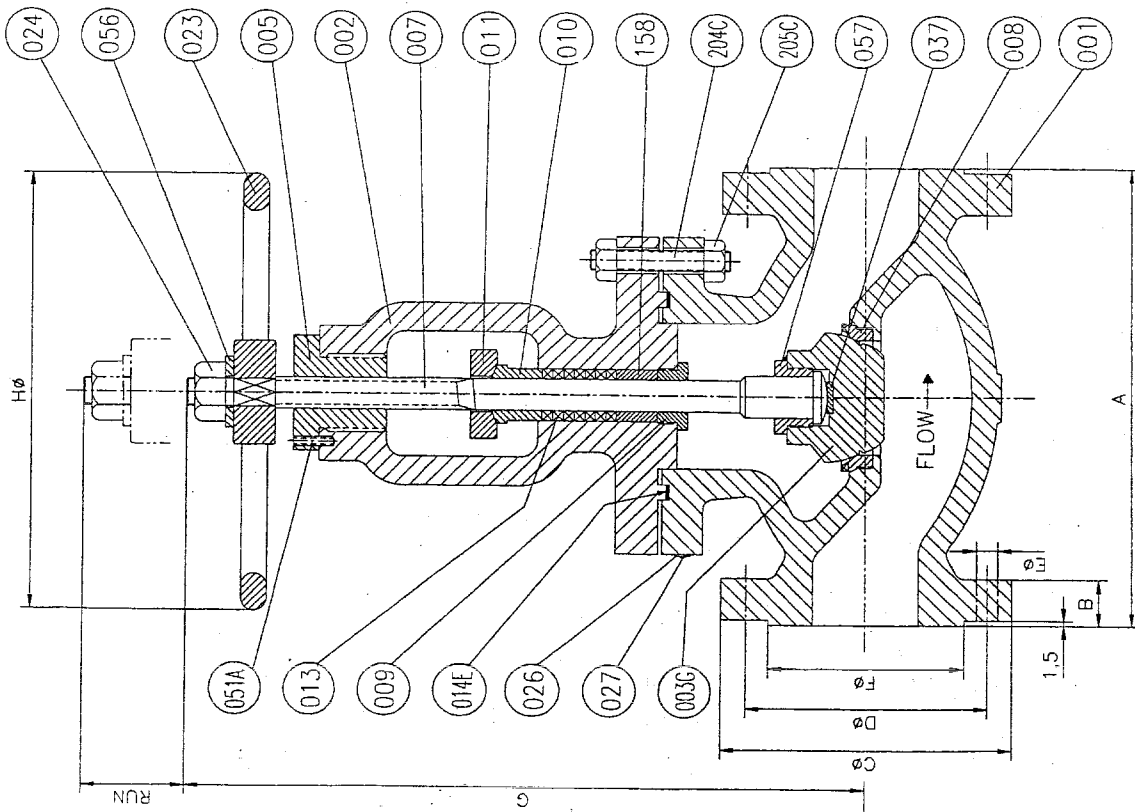
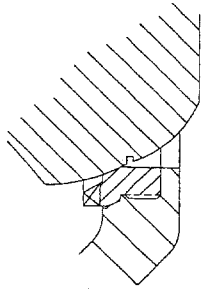


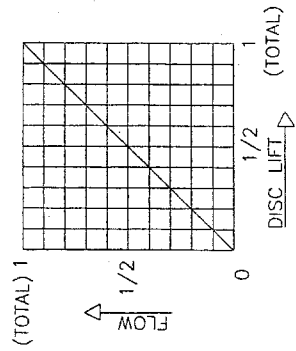
-END TO END ACCORDING TO ANSI B16.10
-FLANGED ACCORDING TO ANSI B16.5



DETAIL SPLICE GLAND



DETAIL OF SEAT
WITH REGULATION DISC
(LINEAR)



ITEM	NAME	MATERIAL	SPECIFICATION	NOTE
205P	EYE BOLT NUT	STEEL	ASTM A 194-2H	BICHROM
205F	GLAND LUG NUT	STEEL		BICHROM
205C	BONNET NUT	STAINLESS STEEL	ASTM A 194-Gr.8	
204C	BONNET BOLT	STAINLESS STEEL	ASTM A 193-B8 Cl.2	
158	PACKING BUSHING	STAINLESS STEEL	ASTM A 182 F321	
057	STEM FIXING BUSHING	STAINLESS STEEL	ASTM A 182 F321	
056	HANDWHEEL WASHER	STEEL		
051A	SET SCREW	STEEL		
037	DISC PLATE	STAINLESS STEEL	ASTM A 182 F321	
027	PIN	STAINLESS STEEL	18-8 Cr-Ni	
026	NAMEPLATE	STAINLESS STEEL	18-8 Cr-Ni	
024	HANDWHEEL NUT	STEEL		
023	HANDWHEEL	MODULAR CAST IRON		
019	GLAND LUG BOLT	STEEL		BICHROM
017	EYE BOLT	STEEL	ASTM A 307-Gr.B	BICHROM
014E	GASKET	SPIRAL WOUND	ANSI 321/GRAPHITE	
013	PACKING RING	GRAPHITE		
011	GLAND FLANGE	CARBON STEEL	ASTM A 105/St-52	BICHROM
010	GLAND	STAINLESS STEEL	ASTM A 182 F321	
009	BACKSEAT BUSHING	STAINLESS STEEL	ASTM A 182 F321	
008	BODY RING	STAINLESS STEEL	ASTM A 182 F321	
007	STEM	STAINLESS STEEL	ASTM A 182 F321	
005	STEM NUT	ALUMINUM BRONZE		
003G	DISC	STAINLESS STEEL	ASTM A 182 F321	
002	BONNET	STAINLESS STEEL	ASTM A 351 CF8C	
001	BODY	STAINLESS STEEL	ASTM A 351 CF8C	

PROJECT: LURGI-MEGAMETHANOL
REF: 3682
L.I. REF: 874-01647
ITEM: 8

LAZARO ITUARTE INTERNACIONAL, S.A.
AMURRIO (SPAIN)

DATE: 24-02-03
TRACED: 24-02-03
CHECKED: 24-02-03

DATE: 24-02-03
DRAWN: 24-02-03
CHECKED: 24-02-03

DATE: 24-02-03
REV: 0

GLOBE VALVE
CLASS-150
DRAWING No. 874-01647-05

SIZE	A	B	C	D	N° OF HOLES	E	F	G	H	RUN	SR	COMPONENT KEY VAR	IDENT-N°	MAT.-N°
2"	203.2	15.7	152.4	120.6	4	19	91.9	284	216	45	120	6616551 0031	A 635	1041312

revisado: 03/03/03



FABRICA DE VALVULAS

DOMICILIO SOCIAL: LANDAKO. 29

TEL: 945 89 15 61 - FAX: 945 89 22 27

01470 AMURRIO (ALAVA) - SPAIN



6D - 0185

QUALITY CERTIFICATE

CERTIFICADO DE MATERIAL / MILL CERTIFICATE

Cliente / Customer / Besteller:

CUINSA - CUÑADO INTERNACIONAL, S.A.

Referencia L.I. / L.I. Reference / L.I. Referenz:

874--01656

Nº Certificado / Certificate Nr.

3124

Fecha Certificado / Certificate Date:

17/07/2003

Fecha / Date / Datum:

26/03/2003

Hoja de

1 of

DESCRIPTION / DESCRIPTION / DARSTELLUNG

COMPOSICION QUIMICA / CHEMICAL ANALYSIS / CHEMISCHE ANALYSE

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES /
MECHANISCHE EIGENSCHAFTEN

Serie	Posic. Nº Supplier Item Nr. Lieferant Pos. Nr.	Componente Component Bestandteil	COLADA Nº Heat Nr. Schemelze Nr.	MATERIAL Material Werkstoff	C %	Mn %	Si %	P %	S %	Cr %	Ni %	Mo %	Cu %	Ti %	V %	W %	Others Otros	CE	C. Rotura Tensile Str. Zugfest	Lim. Elast. Yield str. Stz./dehn	Elongation Bruchdehn	Resilience Impact Strength Kerbschlagzähigkeit	Durezza Hardness Harte	Temp. Ensayo Test Temp. Prüftemp
																						J	HB	°C
0083	297	1 BNET	3152	A3TH A 351 CF8C	0,052	1,170	0,880	0,020	0,014	18,44	9,830	0,390	✓				Nb 0,520		537	244	58,6			
0228	298	1 BNET	3152	A3TH A 351 CF8C	0,052	1,170	0,880	0,020	0,014	18,44	9,830	0,390	✓				Nb 0,520		537	244	58,6			
0077	299	1 BNET	35102	A3TH A216 321	0,040	1,680	0,420	0,020	0,002	17,24	10,71			0,230					600	293	53,8	65,4		

TRATAMIENTO TERMICO / HEAT TREATMENT / WÄRMEBEHANDLUNG

NOTAS / REMARKS / BEMERKUNGEN

- CERTIFICAMOS QUE EL MATERIAL DESCRITO AQUI HA SIDO ENSAYADO Y CUMPLE CON LOS REQUISITOS SOLICITADOS POR EL CLIENTE.

- We hereby certify that the material described above, has been tested and complies to the material requirements of the purchase order.

- Hiermit wird bescheinigt, dass diese Lieferung entsprechend den Vorschriften der Lieberbebingungen geprüft wurde.

- Los resultados arriba indicados son fiel reflejo de los certificados correspondientes, que obran en nuestro poder, emitidos por los suministradores homologados.

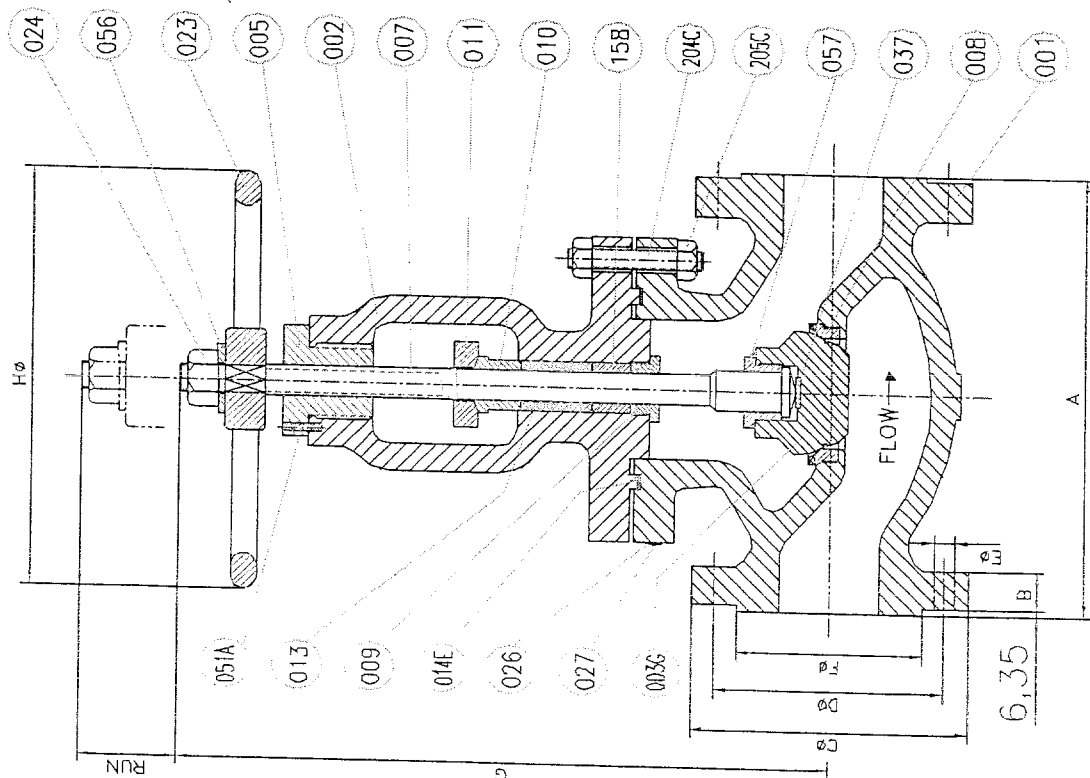
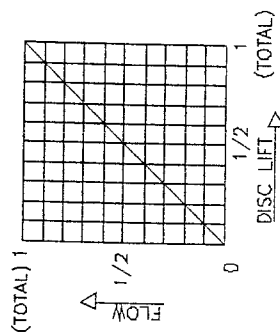
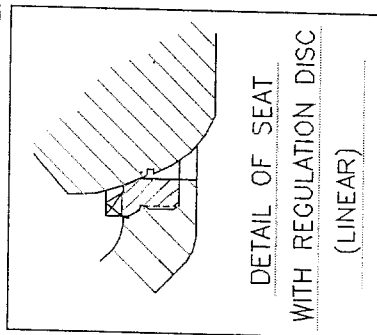
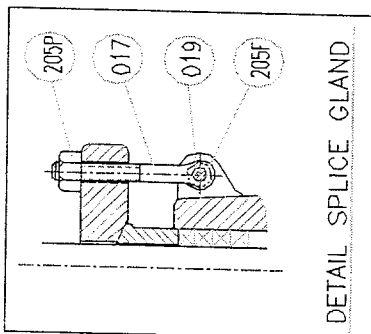
- The results above indicated are exact transcription from the corresponding certificates, which are filed in our factory, emitted by our homologated suppliers.

- Die Ergebnisse, die oben erwähnt sind, stimmen mit denen der dazugehörenden Zeugnisse voll überein. Diese Zeugnisse sind von unseren anerkannten Lieferanten emittiert.

Firma / Signature / Unterschrift		INSPECCION / INSPECTION / INSPEKTION
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1001 - 1002, THE TREATMENT OF
HARRIS & QUINN, INC. IN 1978

—END TO END ACCORDING TO ANSI B16.10
—FLANGED ACCORDING TO ANSI B16.5



ITEM	NAME	MATERIAL	SPECIFICATION	NOTE
205P	EYE BOLT NUT	STEEL	ASTM A 194-2H	BICHROM
205F	GLAND LUG NUT	STEEL		BICHROM
205C	BONNET NUT	STAINLESS STEEL	ASTM A 194-Gr.8	
204C	BONNET BOLT	STAINLESS STEEL	ASTM A 193-B8 Cl.2	
158	PACKING BUSHING	STAINLESS STEEL	ASTM A 182 F321	
057	STEM FIXING BUSHING	STAINLESS STEEL	ASTM A 182 F321	
056	HANDWHEEL WASHER	STEEL		
051A	SET SCREW	STEEL		
037	DISC PLATE	STAINLESS STEEL	ASTM A 182 F321	
027	PIN	STAINLESS STEEL	18-8 Cr-Ni	
026	NAMEPLATE	STAINLESS STEEL	18-8 Cr-Ni	
024	HANDWHEEL NUT	STEEL		
023	HANDWHEEL	MODULAR CAST IRON		
019	GLAND LUG BOLT	STEEL		BICHROM
017	EYE BOLT	STEEL	ASTM A 307-Gr.B	BICHROM
014E	GASKET	SPIRAL WOUND GRAPHITE	ASTI 321/GRAPHITE	
013	PACKING RING	GRAPHITE		
011	GLAND FLANGE	CARBON STEEL	ASTM A 105/SI-52	BICHROM
010	GLAND	STAINLESS STEEL	ASTM A 182 F321	
009	BACKSEAT BUSHING	STAINLESS STEEL	ASTM A 182 F321	
008	BODY RING	STAINLESS STEEL	ASTM A 182 F321	
007	STEM	STAINLESS STEEL	ASTM A 182 F321	
005	STEM NUT	ALUMINUM BRONZE		
003G	DISC	STAINLESS STEEL	ASTM A 182 F321	
002	BONNET	STAINLESS STEEL	ASTM A 351 CF8C	
001	BODY	STAINLESS STEEL	ASTM A 351 CF8C	

PROJECT:	LURCI-MECAMETHANOL								
REF:	3682 AMP 1								
L.I. REF:	874-01656								
ITEM:	11								



LAZARO ITUARTE INTERNACIONAL, S.A.
AMURRIO (SPAIN)

GLOBE VALVE		REV: 0
CLASS-600		
SCALE	DRAWING No :	874-01656-10
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DATE	NAME	
TRACED	D7-04-03	
CHECKED	D7-04-03	

SIZE	A	B	C	D	N° OF HOLES	E	F	G	H	RUN	SR	COMPONENT KEY VAR	IDENT-N°	MAT.-N°
2"	292,1	25,4	165,1	127	8	19	91,9	427	355	45	200	68115551 0031	V 655	1048186