

I.C.I. di Meroni Michele

IMPIANTI CHIMICI INDUSTRIALI

Via Don Minzoni, 14 - Tel. (039) 6040239

Telefax (039) 6049943

20049 CONCOREZZO (Milano)

Date : 18-07-2012

INSPECTION BOOK

CUSTOMER : DESMET BALLESTRA SpA

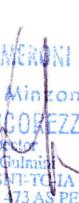
JOB : 2F11A

ORDER N°. : 121343

ITEM : V01 BAKN1. 03000

**ITEM IN OBJECT : BUTTERFLY VALVE DN 3"
TYPE B60**

TABLE OF CONTENT:

I.C.I. 
Via Don Minzoni, 14
20049 CONCOREZZO (MI)
Insp.
Lauro Galimberti
Level II SNT-TG-IA
Level II UNI-EN-173 AS PER PED

- | | |
|-----|-------------------------------|
| 1 - | CERTIFICATE OF COMPLIANCE |
| 2 - | VISUAL AND DIMENSIONAL REPORT |
| 3 - | QUALITY CONTROL PLAN |
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| 6 - | MATERIAL SUMMARY |
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I.C.I. di Meroni Michele IMPIANTI CHIMICI INDUSTRIALI Via Don Minzoni, 14 - Tel. (039) 6040239 Telefax (039) 6049943 20049 CONCOREZZO (Milano)		CERTIFICATO DI CONFORMITA' <i>CERTIFICATE OF COMPLIANCE</i> CUSTOMER : DESMET - BALLESTRA S.p.A. JOB N°. 2F11A Order : 121343				
ITEM :	V01 BAKN1. 03000					
Description :	BUTTERFLY VALVE DN 3" TYPE B60				-----	
DATA SHEET N°.					-----	
Constructive Dwg. N°.	SB-ATI-VB004 Rev. 1					
<p style="text-align: center;">SI CERTIFICA CHE IL MATERIALE RISULTA CONFORME A QUANTO RICHIESTO DAI DISEGNI, DALL' ORDINE ED ALLE SPECIFICHE IN ESSI RICHIAMATI.</p> <p style="text-align: center;">WE HEREBY CERTIFY THAT THE MATERIAL IS IN COMPLETELY ACCORDANCE WITH THE DRAWINGS, THE ORDER AND THE SPECIFICATIONS NOTED IN ABOVE MENTIONED DOCUMENTS.</p>						
<i>ICl di MERONI MICHELE</i>  I.C.I. di MERONI MICHELE Via Don Minzoni, 14 20049 CONCOREZZO (MI) <small>Inspector Lauri Gulmini Level II SNT-VC-IA Level II UNI-EN-473 AS PER PED</small>			<i>CUSTOMER INSPECTOR</i> 			

0	I.C.I.	18/07/2012	G.Meroni		L.Gulmini	18/07/2012
Rev. REV.	Issued by Emesso da	Date Data	Checked by	Date Data	Approved by Approvato da	Date Data

I.C.I. di Meroni Michele

IMPIANTI CHIMICI INDUSTRIALI

Via Don Minzoni, 14 - Tel. (039) 6040239
 Telefax (039) 6049943
 20049 CONCOREZZO (Milano)
 N. Codice fiscale MRN MHL 23L26C952B
 N. Partita I.V.A. 00385930961

DATA : 18-07-2012

VISUAL AND DIMENSIONAL REPORT

Customer	<i>DESMET BALLESTRA S.p.A.</i>
Customer Order No.	121343
Job	2F11A
Item	V01 BAKN1. 03000
Description	BUTTERFLY VALVE B60 DN 3"
Data sheet	-----
Constructive Dwg.	SB-ATI-VB004 Rev. 1

Si dichiara che il controllo visivo e dimensionale eseguito in accordo ai disegni ed alle specifiche BALLESTRA ha avuto esito positivo.

We certify that the visual and dimensional control has been performed according to the drawings and BALLESTRA's specification with positive result.

I.C.I di Meroni Michele

CUSTOMER INSPECTOR

I.C.I. di MERONI MICHELE
 Via Don Minzoni, 14
 20049 CONCOREZZO (MI)
 Inspector
 Lauro Gulmini
 Level II SNCF-TC-IA
 Level II UNI-EN 479 AS PER PED

0	ICI	18/07/2012	G.Meroni	18/07/2012	L.Gulmini	18/07/2012
Rev. REV.	Issued by Emesso da	Date Data	Checked by Controllato da	Date Data	Approved by Approvato da	Date Data

I.C.I. di Meroni Michele

IMPIANTI CHIMICI INDUSTRIALI

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20049 CONCOREZZO (Milano)

N. Codice fiscale MRN MHL 23L26C952B

N. Partita I.V.A. 00385930961

Date : 18-07-2012

WHITE PAINTING REPORT
(For apparatus in Carbon steel)

Customer	DESMET BALLESTRA S.p.A.
Customer Order No.	121343
Job	2F11A
Item	V01 BAKN1. 03000
Description	BUTTERFLY VALVE DN 3" TYPE B60
Data sheet	-----
Constructive Dwg.	SB-ATI-VB004 Rev. 1

Le parti in Carbon steel sono state protette con zincante inorganico
in accordo alla specifica Ballestra SB-ATI-SP002/4

*The parts in Carbon steel have been protected with inorganic zinc
according SB-ATI-SP002/4*

I.C.I. di MERONI MICHELE

CUSTOMER INSPECTOR

I.C.I. di MERONI MICHELE

Via Don Minzoni, 14

20049 CONCOREZZO (MI)

Inspector
Lauro Gulmini
Level II ISNETC-IA
Level II UNI EN 471 AS PER PED



Desmet Ballestra
s.p.a.
Via Dan Alessandrini, 14
20049 CONZOREZZO (MI)

**QUALITY SYSTEM
PROCEDURE**
C2F11A - ORDINE 121343- Item V01 BAKN1. 03000 - DN 3" Type B60

IQQ-010

Rev. 04
Page 1 of 1

Section 13

Manual Butterfly Valves (Ballestra design)

S t e p	Description	Reference Documents	Inspection				Notes
			Manufacturer	Ballestra	Third Party	Report	
		Test	Attend	Dept	Attend	Report	
1	Construction Drawing Approval	Valve specification Data sheet	H	H	ATI PES		<i>Inspector Lauri Guilmari Level ISN/ETC/IA Level II UNI-EN 1773 AS PER PED</i>
2	Visual and dimensional check	Construction Drawing Data sheet	H	Yes	H	COL	<i>Inspector Lauri Guilmari Level ISN/ETC/IA Level II UNI-EN 1773 AS PER PED</i>
3	Manual Functional test		H	Yes	H	COL	<i>Inspector Lauri Guilmari Level ISN/ETC/IA Level II UNI-EN 1773 AS PER PED</i>
4							
5	Surfaces treatment/ Painting check	Manufacturer specification Ballestra Material Requisition	H	Yes	W	COL	<i>Inspector Lauri Guilmari Level ISN/ETC/IA Level II UNI-EN 1773 AS PER PED</i>
6	Nameplate Check	Ballestra Material Requisition	H		H	COL	
7	Review of mill certificates	Design Code Ballestra Material Requisition	H		R		
7	Accessories and Spare Parts check	Ballestra Material Requisition	H	Yes	SW	COL	<i>Inspector Lauri Guilmari Level ISN/ETC/IA Level II UNI-EN 1773 AS PER PED</i>
8	Documents review	Applicable code Ballestra Material Requisition	H	Yes	R	ATI PES	

W Witness Point
SW Spot Witness Point
H Hold Point
R Review

Piping Design department
Inspection department
Shipment department
Electrical / Instrumental Design department
Process department
Vessel Design department

*I.C. di MERONI MICHELE
via Dan Alessandrini, 14
20049 CONZOREZZO (MI)*

I.C.I. di Meroni Michele

IMPIANTI CHIMICI INDUSTRIALI

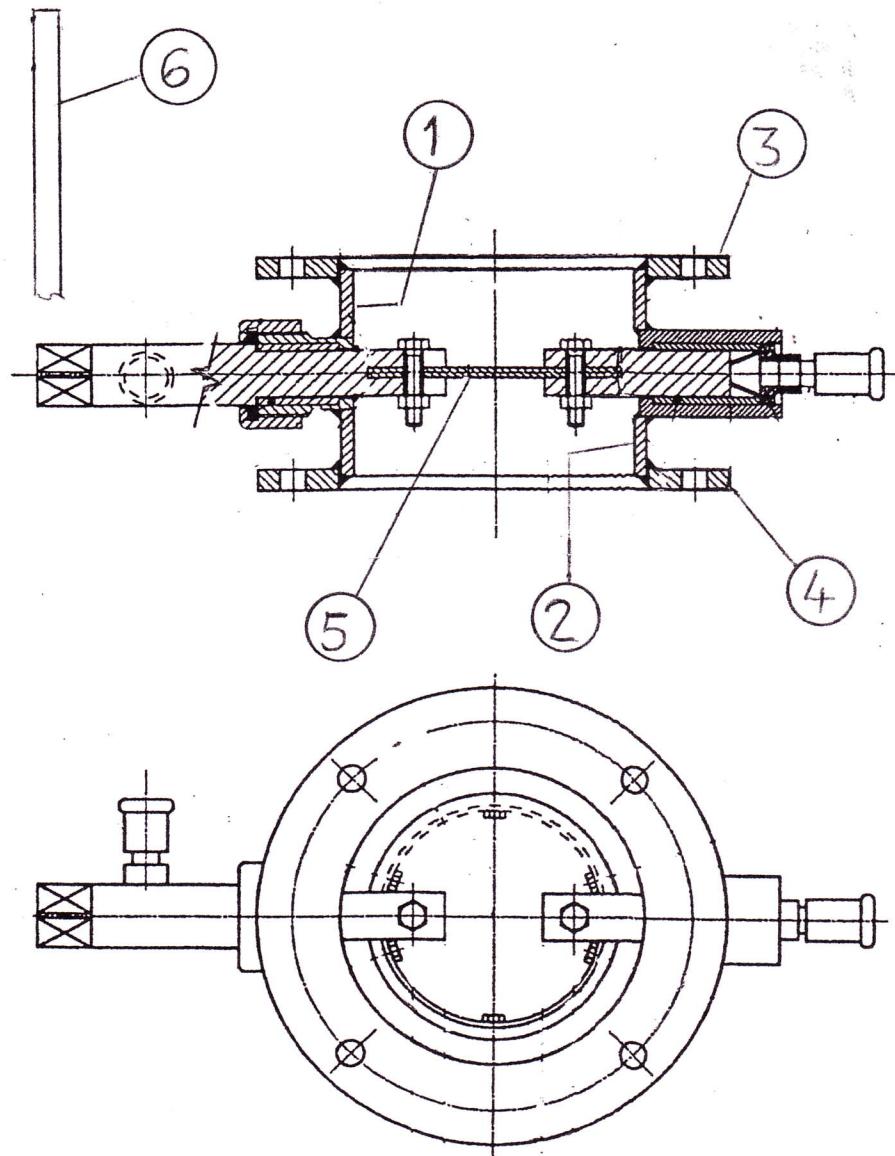
Via Don Minzoni, 14 - Tel. (039) 6040239

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20049 CONCOREZZO (Milano)

N. Codice fiscale MRN MHL 23L26C952B

N. Partita I.V.A. 00385930961



I.C.I. di MERONI MICHELE
Via Don Minzoni, 14
20049 CONCOREZZO (MI)

ITEM V01 BAKN1. 03000

Job. 2F11A - Dwg SB-ATI-VB004 Rev. 1 Ord.121343

MATERIAL MAP

BUTTERFLY VALVE TYPE B60 DN 3"

I.C.I. di Meroni Michele
IMPIANTI CHIMICI INDUSTRIALI
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Telefax (039) 6049943
20049 CONCOREZZO (Milano)
N. Codice fiscale MRN MHL 23L26C952B
N. Partita I.V.A. 00385930961

MATERIAL SUMMARY

DESMET BALLESTRA

Job : 2F11A

ITEM : V01 BAKN1. 03000 BUTTERFLY VALVE Tp.B60 DN 3"

* ASTM or equivalent material

I.C.I. di Meroni Michele

IMPIANTI CHIMICI INDUSTRIALI

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20049 CONCOREZZO (Milano)

N. Codice fiscale MRN MHL 23L26C952B

N. Partita I.V.A. 00385930961

Material Certificate

PIETRA

SOCIETÀ PER AZIONI

25125 Brescia - Via Orzinuovi, 2

tel.: 030 3540545 - fax 030 3540204

Internet: www.pietra-spa.com e-mail: info@pietra-spa.com

CERTIFICATO DI COLLAUDO

Inspection certificate - Abnahmeprofzeugnis - Certificat de Réception

EN 10204 3.1.B

Nr. 10726
Fag. 1

CLIENTE - Customer
 ORDINE - Order
 COMMESSA - Our order
 TUBI S.S.- Seamless tubes

NORMA - Test standards

TRATT. TERMICO-Heat treatment : FINITI A CALDO CON APPROPRIATA STRUTTURA
 ACCIAIO - Steel grade : Hot-working finished with proper structure
 DIMENSIONI - Sizes : BR.B/X 42
 N° TUBI= No. Tubes : 745
 METRI-Meter : 4470,00 PESO-Weight Kg : 29.820

SENSO PROVINI : LONGITUDINALE - Specimen direction : Longitudinal

VALORI RICHIESTI	Rp 0.2	Rm	A 2" IS. ARVSN	HRB	KV	C
Requirements--->	>= 290	>= 415	>= 20,01	<= 90,0		
PROVETTA	N/mm ²	N/mm ²				
S. dimensioni	SNERVAMENTO	ROTTURA	ALLUNGAMENTO%	DUREZZA	RESILIANZA	
Sez. mm ²	L0 mm	Yield point	Tens.strength	Elongation%	Hardness	Impact
COLATA-Heat	94791					
80,7	50,8	367	508	33,0	79	
81,0	50,8	367	512	34,3	80	
SCHIACCIAMENTO CON ESITO POSITIVO Flattening test with positive result						

QUANTITA-Quantity N.TUBI 745 METRI 4470,00 PESO KG 29.820
 ANALISI CHIMICA DI COLATA % - Heat chemical analysis %
 C 0,14 Mn 0,67 Si 0,24 P 0,020 S 0,005 Cr 0,04 Mo 0,01
 Ni 0,08 Cu 0,18 Sn 0,009 V 0,000 Al 0,025
 Oxy 0,27 CERTIFICATO DI COLATA- Heat certificate 60

PROVA IDRAULICA ALLA PRESSIONE DI - Hydraulic test pressure 2250 psi 156 bar
 CORRENTI INDOTTE Eddy current acc.to: ASTM A 106
 ISPEZIONE E CONTROLLO DIMENSIONALE: POSITIVO
 Results of inspection and dimensional control: positive
 CERTIFICHIAMO CHE LA FORNITURA E' CONFORME AGLI ACCORDI DELL'ORDINE
 We hereby certify that material complies with the terms of the order
 I TUBI HANNO SUBITO UN TRATTAMENTO COMPLETO DI DEMAGNETIZZAZIONE
 The tubes have been subjected to a complete demagnetization treatment
 ACCIAIO PRODOTTO AL FORNO ELETTRICO COMPLETAMENTE CALMATO
 Steel made by electric furnace, fully killed

Il presente certificato è valido per:	
CLIENTE	MERONI MICHELE
ORDINE N.	31.05.05
NS. BOLLA N.	124 DEL 06.05
TUBISID S.p.A. RHO II 06.06.05	

TRUE COPY

I.C.I. M. MERONI MICHELE
 Via Don Minzoni 14
 20049 CONCOREZZO (MI)

DATA
1.07.04

PIETRA S.p.A.

RESPONSABILE COLLAUDO
 QUALITY INSPECTION MANAGER
 Andrea Zacchi

Questo certificato è emesso da un sistema computerizzato ed è valido senza firma. Il certificato originale riporta il marchio "Pietra" di colore blu.
 Nel caso in cui il destinatario ne rilasci copia, deve attestare a suo nome la conformità, assumendosi ogni responsabilità per usi illegali o non consentiti.
 dalla Pietra Spa. Alterazioni e/o falsificazioni saranno perseguite a termini di legge.

This certificate is issued by computerized system and it is valid without signature. Many trade marks "Pietra" are printed in blue on the original certificate.
 In case the consignee of the original certificate issues a copy of it, he must certify by his name the conformity to the original one. He takes upon himself the responsibility for any illegal or not allowed use. All alterations and/or falsifications will be prosecuted.



Fine/End

A small, circular, textured seal or logo, possibly made of clay or metal, featuring a stylized design that looks like a spiral or a series of concentric arcs.

A64		A67 HRC 380-400 - 1976 - DOCUMENT		A63 N. DEDAGENIO - 202 DATA DATE		CONFORME		NO COMMERCIAL CUSTOMER	
		2003/05/16/01		1 25/10/2009		COMPANIES		SIRGARIGLIA ASTICO S.p.A.	
		A65 RELATORE DOCUMENTO - ORIGINATOR DOCUMENT		EN 1024 TYPE 3.1 (CB)		VIA ASTICO N. 44 36039 LAS VILLENTINO		VIA ASTICO N. 44 36039 LAS VILLENTINO	
		CONFERMO QUALITA' TUYA		VIA ASTICO N. 44 36030 PADA VICENTINO		VIA ASTICO N. 44 36030 PADA VICENTINO		VIA ASTICO N. 44 36030 PADA VICENTINO	
		ATT. 2 INGATRA EN 1025 CL.1		ATT. 2 INGATRA EN 1025 CL.1		ATT. 2 INGATRA EN 1025 CL.1		ATT. 2 INGATRA EN 1025 CL.1	
		B62 QUALITY - STEEL GRADE		B60 SPESSEZZA - THICKNESS		B61 LARGHEZZA - WIDTH		B65 MARCATURA - MARKS	
		S235B+M		mm mm		mm mm		mm mm	
		A68 INGATRA CUSTODIALE		A69 N. CONFERMA ORDER WORK		A70 N. LOTTO		A71 LUNGHEZZA LENGTH	
		1		1		1		6 M INCH	
		A72 INGATRA 164054		1		1012		1012	
		B67 SERIE SUPPLEMENTARIA REQUIREMENTS		B68 SERIE SUPPLEMENTARIA CONDITIONS		B69 TRATTAMENTO STAGIONALI - PREPARATION CONDITIONS		B70 TRATTAMENTO STAGIONALI - PREPARATION CONDITIONS	
		ATT. 2 INGATRA EN 1025 CL.1		SECOND NORMA		ATT. 2 INGATRA EN 1025 CL.1		SECOND NORMA	
		PH 1025.2		TESTE METALLICHE E TECNOLOGICHE - MECHANICAL AND TECHNICAL TESTS		TESTE METALLICHE E TECNOLOGICHE - MECHANICAL AND TECHNICAL TESTS		TESTE METALLICHE E TECNOLOGICHE - MECHANICAL AND TECHNICAL TESTS	
		S235B+M		C91 - COMPOSIZIONE CHEMICA - CHEMICAL COMPOSITION		C92 - COMPOSIZIONE CHEMICA - CHEMICAL COMPOSITION		C93 - COMPOSIZIONE CHEMICA - CHEMICAL COMPOSITION	
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		%		%		%		%	
		C455		C456		C457		C458	
		%		%		%		%	
		C459		C460		C461		C462	
		%		%		%		%	
		C463		C464		C465		C466	
		%		%		%		%	
		C467		C468		C469		C470	
		%		%		%		%	
		C471		C472		C473		C474	
		%		%		%		%	
		C475		C476		C477		C478	
		%		%		%		%	
		C479		C480		C481		C482	
		%		%		%		%	
		C483		C484		C485		C486	
		%		%		%		%	
		C487		C488		C489		C490	
		%		%		%		%	
		C491		C492		C493		C494	
		%		%		%		%	
		C495		C496		C497</td			

SDSPDRURGICA ASTIGMO - Valido per
pz. 2 10,00X20,00X60000 colla/lamiera n. 42G0771 colletta n. 991351 DDT n. 2112592 del 13/05/2011 Versord.