

I.C.I. di Meroni Michele

IMPIANTI CHIMICI INDUSTRIALI

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

Telefax (039) 6049943

20049 CONCOREZZO (Milano)

Date : 09-02-2011

INSPECTION BOOK

CUSTOMER : DESMET BALLESTRA SpA

JOB : 1E35Z

ORDER N°. : 102063

ITEM : KV. 62.6A
: KV. 62.6B

ITEM IN OBJECT : ON/OFF VALVE - SEQUENCE CONTROLLED

TABLE OF CONTENT:

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- 7 - MATERIAL CERTIFICATE
- 8 - CERTIFICATE OF COMPLIANCE FLOWSERVE
- 9 - MANUAL ACTUATOR FLOWSERVE

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



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 20049 CONCOREZZO (Milano)

CERTIFICATO DI CONFORMITA'

CERTIFICATE OF COMPLIANCE

CUSTOMER : DESMET - BALLESTRA S.p.A.
JOB N°. 1E35Z
Purchase Order N°. : 102063

ITEM :

KV 62.6A - KV 62.6B

Description :

ON/OFF VALVE SEQUENCE CONTROLLED

DATA SHEET N°.

Constructive Dwg. N°.

ICI 103 Rev 1

**SI CERTIFICA CHE IL MATERIALE RISULTA CONFORME
 A QUANTO RICHIESTO DAI DISEGNI,
 DALL' ORDINE ED ALLE SPECIFICHE IN ESSI RICHIAMATI.**

**WE HEREBY CERTIFY THAT THE MATERIAL IS IN COMPLETELY
 ACCORDANCE WITH THE DRAWINGS,
 THE ORDER AND THE SPECIFICATIONS NOTED IN ABOVE
 MENTIONED DOCUMENTS.**

ICI di MERONI MICHELE

CUSTOMER INSPECTOR

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

0	I.C.I.	09/02/2011	G.M.		L.G.	09/02/2011
Rev.	Issued by	Date	Checked by	Date	Approved by	Date
REV.	Emesso da	Data	Controllato da	Data	Approvato da	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 : 09-02-2011**VISUAL AND DIMENSIONAL REPORT**

Customer	<i>DESMET BALLESTRA S.p.A.</i>
Customer Order No.	102063
Job	1E35Z
Item	KV. 62.6A - KV.62.6B
Description	ON/OFF VALVE - SEQUENCE CONTROLLED
Data sheet	-----
Constructive Dwg.	ICI 103 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)

0	ICI	09/02/2011	G.M	09/02/2011	L.G.	09/02/2011
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

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N. Codice fiscale MRN MHL 23L26C952B
N. Partita I.V.A. 00385930961

Date : 09-02-2011**WHITE PAINTING REPORT***(For apparatus in Carbon steel)*

Customer	DESMET BALLESTRA S.p.A.
Customer Order No.	102063
Job	1E35Z
Item	KV. 62.6A - KV. 62.6B
Description	ON/OFF VALVE - SEQUENCE CONTROLLED
Data sheet	-----
Constructive Dwg.	ICI 103 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)



desmet ballestra
s.p.a.
Via Domenico Mazzoni, 14
20049 CONCORLEZZO (MI)

**QUALITY SYSTEM
PROCEDURE**
Item KV62.6A/6B – ON OFF VALVE – SEQUENCE CONTROLLED

IQQ-010

Rev. 04
Page 1 of 1

Section 13

Valve ON/OFF (ICI Design)

S	Description	Reference Documents	Inspection				Notes
			Manufacturer Test	Report	Ballestra Attend	Dept	
1	Construction Drawing Approval	Valve specification Data sheet	H		H	ATI PES	
2	Visual and dimensional check	Construction Drawing Data sheet	H	Yes	H	COL	
3	Actuator Check Brand name/ type/ size/ nameplate	Instrument Specification 26/11/2010 Construction Drawing	H	Yes	H	COL	Only for remote controlled valve
4	Manual Functional test	Actuator Manufacturer Manual 26/11/2010	H	Yes	H	COL	
5	Automatic Functional test	Manufacturer specification	H	Yes	W	COL	Only for remote controlled valve
6	Surfaces treatment/ Painting check	Ballestra Material Requisition	H	Yes	W	COL	
7	Nameplate Check	Ballestra Material Requisition	H		H	COL	
7	Review of mill certificates	Design Code	H		R		
8	Accessories and Spare Parts check	Ballestra Material Requisition	H	Yes	SW	COL	
9	Documents review	Applicable code	H	Yes	R	ATI PES	
		Ballestra Material Requisition					

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

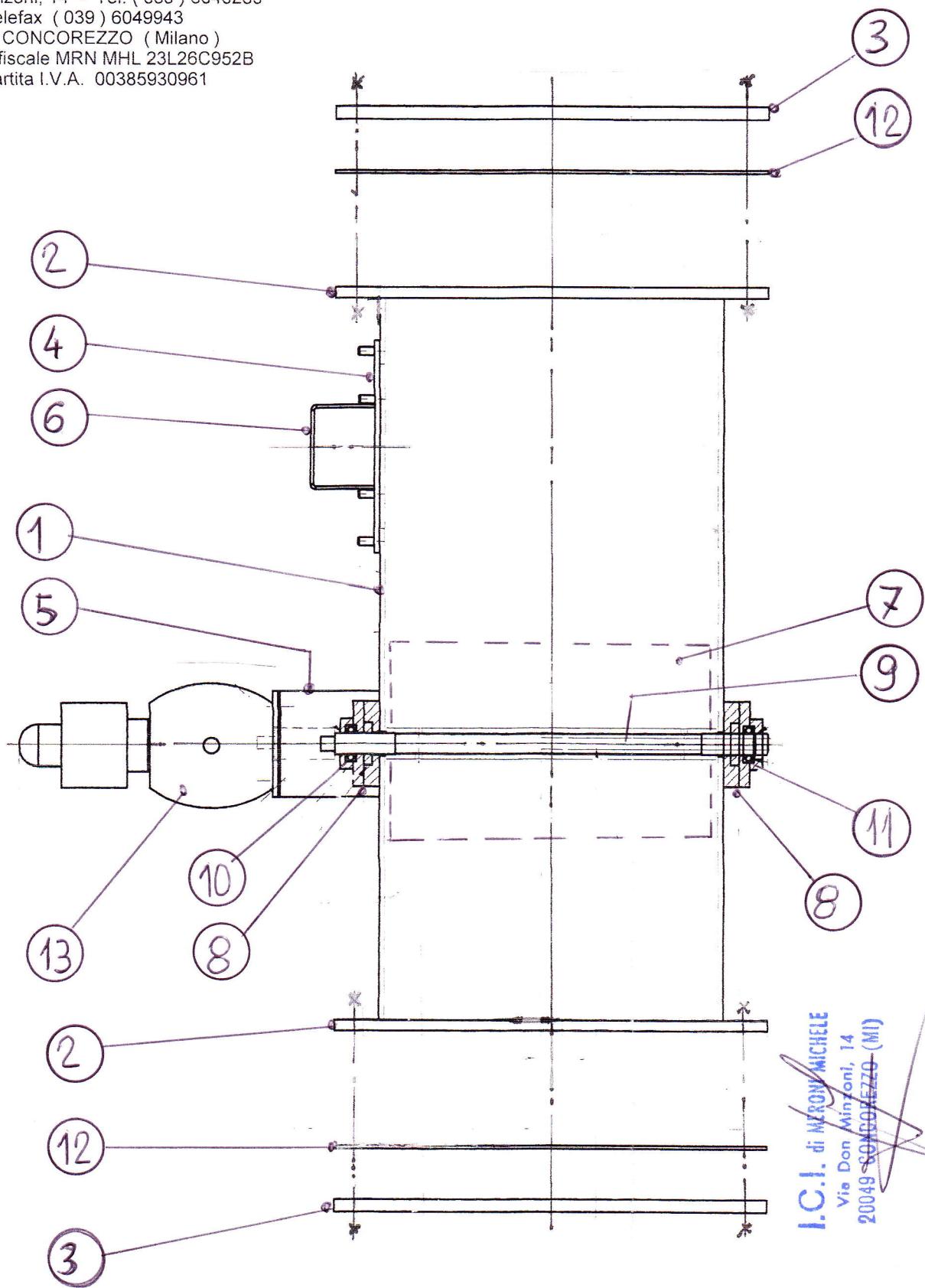
ATI Piping Design department
COL Inspection department
GM Shipment department
PES Electrical / Instrumental Design department
PRO Process department
PRS Vessel Design department

*I.C.I. di MERONI MICHELE
Via Domenico Mazzoni, 14
20049 CONCORLEZZO (MI)*

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

ITEM KV.62.6A /6B

Job. 1E35Z - Ord. 102063 - DWG ICI. 103 Rev1

MATERIAL MAP

ON/OFF VALVE - SEQUENCE CONTROLLED

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MATERIAL SUMMARY

DESMET BALLESTRA

Job : 1E35Z

ITEM : KV.62.6A -KV62.6B - ON OFF VALVE - SEQUENCE CONTROLLED

* ASTM or equivalent material

I.C.I. di Meroni Michele

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20049 CONCOREZZO (Milano)

N. Codice fiscale MRN MHL 23L26C952B

N. Partita I.V.A. 00385930961

Material Certificate

INSPECTION CERTIFICATE NFE/N 10204-3.7/DIN 50043-3.7/B/SD 10474

SOLLAC MEDITERRANEE
Gruppo Arcelor

SITE DE FOS
33770 - FOS SUR MER CEDEX
Tél: 05 62 47 33 14 Fax: 06 42 47 24 27

• 90 KSEI No. 150 • 21 MAY

卷之三

We hereby certify that the above cited shipment was produced according to the technical specifications of the contract and paid with inspection and test complete with all relevant tests as well as dimensions and elements referred to in the contract.

Comisión de mercancías, inspectores y observadores : señores señores
Inspección de mercancías, superficie : señores señores

SIDERURGICA ASTICO · Valide per
3.0022000000000000 colis/latamericana n. 5223046 colata n. 730824131 DDT n. 8002469 del 17/04/2008 vs,ordl.



RAUTARUUKKI
STEEL

VASTAANOTTOTODISTUS INSPECTION CERTIFICATE
ABNARMEPRÜFZEUGNIS CERTIFICAT DE RECEPTION

(3)

A 1/4
25724 -01

EN 10 204-3.1.B

Tilauksen Pyyntijä Besteller Achse

ACCIAI DI QUALITA

IT-15060 VIGNOLE BORBERA (AL)

Vastaanottaja Consignee Empfänger or Destinataire

ACCIAI DI QUALITA

IT-15060 VIGNOLE BORBERA (AL)

Piirustuslaatu Date Datum Date

13.01.2004

A

TOIMITUSLAJA DELIVERY LIEFERUNG LIVRAISON

Tilaus Order

Poistelusta Commande

Merkki Mark

Zeichen Marque

Lisätiedotus Order Confirmation

Ajatuksesi laitamme Accuse de réception

Lauantaina Sunday

Ympäristöön Environment

Toimitustapa Delivery type

Vanhentunut Type of delivery

Tekninen Certificate

Zertifikat Certificate

WAP 7172

3819-1

25724

VIRGINIABORG

PART DELIVERY

3B

Lisätiedotus Quality Stamp

Merkkeilytunnus Qualität

SAS16GR70NTLTV

Sulatuksen numero Cast No. plate No.

Schmieden Nr. Walzstahl Nr. Couloir No. tolle Nr.

Valkosiljan peräkkäistä Merkki Mark of the manufacturer

Zeichen des Herstellers Sigle du producteur

Turkkilaisen Ikkuna Stamp of work's Inspector

Stempel der Werkstoffverantwortlichen Peineçon de contrôle

Valkosiljan Ikkuna Stamp of Surveyor

Stempel des Sachverständigen Peineçon d'expert

Muiden luvutized. Other Stamps

Anderen Stempelzeichen. Les autres repères poignées

315/04

XXXX XXXX



M

Tuote Paineet

Erikoispuolesta Produk

Lauha Quality

Verdinon Qualität

Lisätiedotus Quality Specification

Qualitätspezifikation Spezification de qualité

Tekninen viestintävaihto Technical form of

yleinen viestintä

erityistyyppi

Lisätiedotusvaatimukset ja muiden teknisen

versoontulokset

HEAVY PLATES

ASME SA-516 GR 70

EN 10029/1991 CLASS B

ASME SA516:2001

PRESS. VESSEL STEEL ED.2001 OF ASME CODE SEC II ADD-02 SA20

TRUE COPY

SI- AND AL-KILLING

NORMALIZED STEEL PLATES

SPEC ADQ 4A2 REV.2 (26.9.03)

SURFACE CONDITION EN 10 163-2:1991 CLASS B3

001	12.00 X 2500	X	12000 A 3819-1	1	2826	32869 013 013
001	12.00 X 2500	X	12000	2	5652	34169 043 043
001	12.00 X 2500	X	12000	2	5652	34169 049 049

SPEC ADQ 4A2 REV.2 (26.9.03)

SURFACE CONDITION EN 10 163-2:1991 CLASS B3

002	14.00 X 2500	X	12000 A 3819-1	2	6594	34169 031 031
002	14.00 X 2500	X	12000	1	3297	34169 032 032
002	14.00 X 2500	X	12000	2	6594	34169 033 033

SPEC ADQ 4A2 REV.2 (26.9.03)

SURFACE CONDITION EN 10 163-2:1991 CLASS B3

003	16.00 X 2500	X	12000 A 3819-1	1	3768	26158 044 044
003	16.00 X 2500	X	12000	2	7536	34169 034 034
003	16.00 X 2500	X	12000	2	7536	34169 041 041

SPEC ADQ 4A2 REV.2 (26.9.03)

SURFACE CONDITION EN 10 163-2:1991 CLASS B3

004	18.00 X 2500	X	12000 A 3819-1	2	8478	34169 011 011
004	18.00 X 2500	X	12000	1	4239	34169 012 012
004	18.00 X 2500	X	12000	2	8478	34188 042 042

SPEC ADQ 4A2 REV.2 (26.9.03)

SURFACE CONDITION EN 10 163-2:1991 CLASS B3

005	20.00 X 2500	X	12000 A 3819-1	1	4710	26970 222 222
005	20.00 X 2500	X	12000	2	9420	34169 021 021
005	20.00 X 2500	X	12000	2	9420	34169 022 022

13.01.2004

RAUTARUUKKI STEEL

Tilauksen ja tuotteen
Prüfung und Kontrolle

Testing and Inspection
Examen et Contrôle

Tilauksen ja tuotteen
lauantaina Sunday

We certify that the material described above has been

tested and complies with the terms of the order contract.

Es wird bestätigt, dass die Lieferung den vorstehenden

Verabredungen und der Bestellbestätigung entspricht.

Noi certifichiamo che la livratura est conforme aux

disposizioni de l'accordo di compravendita.

FRATELLI PELANDI srl

COPIA CONFORME

ALL'ORIGINALE

19/12/06

NO. D.D.T. N. 9225 DEL 19/12/06

VS. ORDINE N. PAC DEL 19/12/06

M. Valkama

MINNA VALKAMA
Valkosiljan varulle, Authorized Inspector
Valkosiljan varulle, Inspecteur autorisé

KTNU

RAUTARUUKKI STEEL
Ketuks Development
Yhtiön nimi Company Name
RAUTARUUKKI OYJ

Osake Address
9L 91, P.O. Box 93
FIN-92101 RAAHE, FINLAND
Kotipaikka Registered Office
HELSINKI

Puhelin Telephone
(08) 849111
+358 8 849111

Fax/Fax Telefax
(08) 849 2736
+358 8 849 2736
Y-tunnus Business ID
0113276-9

Telex Telex
32312 steel fi

(6)



Ein Unternehmen der Salzgitter Gruppe

Inspection certificate 3.1.B Certificato Collaudo Materiali 3.1.B DIN EN 10204 - ISO 10474				No./N° Page/Pag. Date/Data	457955 1/1 07.11.2003
No./N° Purchaser Comments		06.03.2003 Customer Destinatario		2003058 Siderurgica Astico S.p.A. I-36030 Fara Vicentino	
2003058 T2/03 Siderurgica Astico S.p.A. I-36030 Fara Vicentino					
Product Product Steel grade and terms of delivery Condizioni di consegna		Hot rolled wide strip Nastro largo a caldo Grade 60 SA 516 / SA 20		Works order No. N° d'ordine Dispatch note No. Avviso di spedizione N° 7.11.2003 Inspection Collaudo	
		ASME SECTION II -Part A / Ed.99 2003058		00111049/13 22415780 WS	

Valido per p.z. 3
3.00X1800X 6000 colate/famiglie n. 382104

colata n. 14267 DDT n. 4001717 del 17.03.04 vs. o.v.

Material data / Dati del materiale

Item Pos.	Quantity Numero	Product No. N° prodotto	Heat No. N° Colata	Cond. of delivery Stato di consegna	Thickness x Width Spessore x Largh.	mm x mm
32	1	382104	14267	N	3,00 x 1800,0	
Σ	1	Weight Peso	20.200	kg kg	N: normalized/normalizzato	

Dimensional check and visual examination of the surface conditions without objection

Controllo delle dimensioni e controllo a vista della superficie: soddisfacente

Ladle analysis / Analisi di colata

Heat No. N° Colata	C %	Si %	Mn %	P %	S %	N %	Al %	Cu %	Cr %	Ni %
14267	0,08	0,24	1,12	0,012	0,008	0,007	0,037	0,03	0,04	0,05
Heat No. N° Colata	Mo %	Nb %	Ti %	V %						
14267	0,01	0,00	0,00	0,00						

Steelmaking process: Basic oxygen process
Procedimento di elaborazione: Proc. ossigeno

Tensile test / Prova di trazione

Specimen No. N° di prova	Heat No. N° Colata	Location Zona	Direct Senso	Cond. Stato	Type Tip	Yield strength Sfrenamento Rp0,2 N/mm² ±20	Tensile strength Carico di rottura Rm N/mm² 45-55	Elongation Allungamento 250 %	AS Stampa del controllore	AS Stampa del controllore
382104	14267	AAG	Q	N	P	363	470	37		

- 1) A: Lead end/inizio
2) 4: 1/4Width/1/4Largh.
3) 6: Thickness of product/Spessore di prodotto

- 4) Q: transversal/trasversale
5) N: normalized/normalizzato
6) P: prismatic/prismatico

We hereby certify that the delivered material complies with the terms of the order
Viene confermato, che la consegna corrisponde alle richieste dalla condizioni di consegna.

Trademark
Marchio del produttore

Salzgitter Flachstahl GmbH
Eisenhüttenstr. 99
D-3229 Salzgitter

Inspector's Stamp
Timbro dell'ispettore

Qualitätswesen
Abnahme
Works Inspector
Perito officina

Kratz

This certificate was prepared by a suitable data processing system and is valid without signature according to EN 10 204, section 5.
Questo certificato è stato rilasciato da un sistema di elaborazione dei dati adatto secondo EN 10 204, articolo 5, e valido anche senza firma.

LUCCHINI SIDERURGICA

ORDINE / ORDER
TEL
DATA / DATE

CERTIFICATO DI COLLAUDO
INSPECTION CERTIFICATE
ACCORDING TO EU 21-78

NR. 626

DATA / DD
15 LUG 19

SISTEMI DI FABBRICAZIONE E
CONTROLLO CON OMOLOGAZIONE
ISTITUTO ITALIANO GARANZIA
DELLA QUALITA'
CERTIFICAZIONE IIGI NR. 8708

SPETTABILE
VERTEK CENTRO ACCIAI
VIA DEI MILLE, 5/D
20061 CARUGATE MI
ITALIA

CONFERMA/OUR ORDER: 14.R15522
LOTTO/ITEM: 002
COLATA/HEAT: 023553
STATO/DELIVERY C.: GREZZO

PROFILO/PROFILE ...: TONDO
DIMENSIONI/SIZE ...: 80,00
QUALITA'/STEELGRADE: ASTM A 105
NORMA/SPECIFICATION: NORME ASTM

ANALISI DI COLATA / CAST ANALYSIS

C	MN	S	P	SI	CR	NI	MO	V	NB	57	27	CU
0.190	0.960	0.002	0.016	0.260	0.110	0.010	0.003	0.001	0.003	0.134	0.374	0.010

 LEGENDA: 57 CR+NI+MO+CU 27 C, EQUIVALENTE

DUREZZA TT: NATURALE DI LAMINAZ. NORMA: ASTM E10/93
PUNTO DI ESECUZIONE: SUPERFICIE
SAGGIO: 00 (MM) VALORE: 151.0 HB

TRAZIONE LONGITUDINALE NORMA: ASTM A370/92
TT: NATURALE DI LAMINAZ. U.MIS.: N/MM²
RM: 0505 RE: 0335 Ø%: 28,4 E%: 5

VIMEFER
di VIMERCATI LUIGI & C. s.n.c.
Via Milano, 44 - VIMERCATE
04312430132
Partita IVA n. 00716790966

COPIA COMPROVANTE ORIGINALE

TRUE COPY

L'ACCIAIO
SIDERURGICA

CLIENTE
PURCHASER
KUNDE

22074 VERTEK CENTRO ACCIAI S.P.A.

NS. ORDINE N.
OUR ORDER
WERKS-NR.

219126

RIF. ORDINE CLIENTE
PURCHASED ORDER
BESTELLUNG

91/97 TV

DEL
OF
VOM

9

PROFILO E DIMENSIONI SIZE AND PROFILE PROFIL / ABMESSUNGEN	27250	MARCA QUALITY CODE	769	COLATA HEAT SCHMELZE	PESO KG. WEIGHT GEWICHT KG.
TONDO 20		ASTM A 105		035001/97- ! FORN P 1	COLLI/ROT./BARRE N. BUNDLES/COILS/PIECES N. ANZAHL BUNDE / STÄBE
STATO DI CONSEGNA DELIVERY CONDITIONS (AS ROLLED ANNEALED, ETC.) LIEFERZUSTAND	GREZZO LAMINAZIONE	SCINTILLATURA AL CARICO SPARK TEST FUNKENPROBE	NOTE NOTE BEMERKUNGEN		

COMPOSIZIONE CHIMICA - CHEMICAL COMPOSITION - COMPOSITION CHIMIQUE - ZUSAMMENSETZUNG							
C	Mn	S	P	Si	Cr	Mo	Ni
0,2200	0,7500	0,0110	0,0090	0,2400	0,0040	0,0040	0,0200
Cr	0	NB	18				
0,1200	0,0020	0,0010					

CARATTERISTICHE MECANICHE - MECHANICAL PROPERTIES - PROPRIÉTÉS MÉCANIQUES - MECHANISCHE EIGENSCHAFTEN							
Fm N/mm ² TENSILE STRENGTH ZUGFESTIGKEIT	Re N/mm ² YIELD POINT STRECKGRENZE	A% ELONGATION DEHNAUUNG	Z% REDUCTION AREA BRUCHDEHNUNG	PIEGA BEND TEST BIEGEVERSUCH	RESILIENZA IMPACT TEST KERBSCHLAGARBEIT		
528	349	27,1%	54				
Fm N/mm ² TENSILE STRENGTH ZUGFESTIGKEIT	Re N/mm ² YIELD POINT STRECKGRENZE	A% ELONGATION DEHNAUUNG	Z% REDUCTION AREA BRUCHDEHNUNG	PIEGA BEND TEST BIEGEVERSUCH	RESILIENZA IMPACT TEST KERBSCHLAGARBEIT		

TEMPRABILITÀ JOMINY - JOMINY TEST - HARTBARKER							

DECARBURAZIONE DECARBURIZATION ENTKOHLUNG mm.	GLOBALIZZAZIONE % GLOBALIZATION % OF GLOBULARE PERLITE EINFORMUNG %	HRC DOPO TEMPRA HARDNESS AFTER HARDENING HRC NACH HÄRTE	ACQUA WATER WASSER	OLIO OIL ÖL	DIMENSIONI GRANO AUSTENITICO AUSTENITIC GRAIN SIZE KORNGRÖSSE	INCLUSIONI MICRO MICRO INCLUSIONS REINHETSGRAD	DUR. HB. 159
IL RESPONSABILE DELLA QUALITÀ QUALITY CHIEF DER QUALITÄTSVERANTWORTLICHE	V.M. VENERIAN - N. 1/A						

ERESIA

ES ITAL

GARANT

COPIA CONFORME ORIGINALE

VIMEFER
di VIMERCATI LUIGI & C. s.p.a.
Via Milano, 44 - VIMERcate
Cod. I.T.O. 04312430152
Partita IVA n. 00778780968

I.C.I. di Meroni Michele

IMPIANTI CHIMICI INDUSTRIALI

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N. Codice fiscale MRN MHL 23L26C952B

N. Partita I.V.A. 00385930961

Certificate of Compliance

Flowserv



Flow Control Division

Lima, Ohio

CERTIFICATE OF COMPLIANCE

DATE: November 5, 2010

CUSTOMER: Flowserve S.p.A.-Italy

CUSTOMER ORDER NUMBER: 7102421

FLOWSERVE ORDER NUMBER: 106008

CUSTOMER ITEM NUMBER: NA

FLOWSERVE ITEM NUMBER: 001

We hereby certify, according to our records, the equipment supplied on the above mentioned order is in compliance with your referenced purchase order.

ITEM	QTY	ACTUATOR	SERIAL NUMBER
001	1	QX-3	L894577

State of Virginia
City of Lynchburg

Subscribed and sworn to before me on
5 November 2010.

Madie Hutchel

Notary Public #243114
My Commission Expires 12/31/2012
106008.11/5/2010

Ronald D. Mooneyhan
Ronald D. Mooneyhan
Quality Engineer

Flowserve Corporation

Test Report

TEST DATE: 11/04/2010
 TEST TIME: 10:28:54
 TEST QA #: MQxEOL v1.6.3
 TESTER: administrator
 MODEL CODE: 33805

ORDER NUMBER: 106008.001
 SERIAL NUMBER: L894577
 CUSTOMER:
 PO NUMBER:
 FLA: 3.5

UNIT: QX3
 LINE VOLT:380
 HZ: 50
 RPM: Variable
 OPTION CODE: 000000A4

Test	Test Description	Result
Verify RCAL	480 ft. lbs.	Passed
Power Up UUT	382 volts	Passed
Verify 24 VDC	29 >= NL >= 21.4; 2.4 >= FL >= 0	Passed
Verify Firmware: Main, MC, CPLD, BL	10Q04.00, 00.00.22, 91, 8D	Passed
Verify QA Stamp/Date/Time	U84222/20101104/102941	Passed
Verify Processors	Valid Status Register for Self Test	Passed
Verify Unit Volts	Volts Register Tracks Input Voltage	Passed
Verify Thermistors	Thermistors Correlate With TC	Passed
Verify LCS Display	Valid LCD & LED Operation	Passed
Verify LCS Switches	Valid Switch Operation	Passed
Verify Monitor Relay	Relay Responds to Input Event	Passed
Verify Digital I/O	Relay Responds to Input Event	Passed
Verify Analog Input 1	Poll Detects 4, 12, & 20mA Input	Passed
Verify Analog Output 1	4, 12, 20mA Calibrated	Passed
Limit Switch Int Encoder Var Close	4 Counts	Passed
Verify Run Speed Close	0.4 RPM	Passed
Verify Nuisance Trip Close	Actuator does not Nuisance Trip	Passed
Limit Switch Int Encoder Var Open	4 Counts	Passed
Verify Run Speed Open	0.4 RPM	Passed
Verify Nuisance Trip Open	Actuator does not Nuisance Trip	Passed
Verify Max Trip TQ Close - Max TQ	536 ft. lbs.	Passed
Verify Max Trip TQ Open - Max TQ	520 ft. lbs.	Passed
Verify Min Trip TQ Close - Max TQ	236 ft. lbs.	Passed
Verify Min Trip TQ Open - Max TQ	276 ft. lbs.	Passed
Verify Customer TQ Target - Close	Set at 40%	Passed
Verify Customer TQ Target - Open	Set at 40%	Passed
Verify Clutch & Handwheel CW	Declutch, handwheel & auto-reclutch	Passed
Verify Clutch & Handwheel CCW	Declutch, handwheel & auto-reclutch	Passed
Prepare to Ship	Actuator in the Ship State	Passed
Verify Registers	Select Registers at Correct Values	Passed