



INSTRUMENTS SPECIFICATION SPECIFICA STRUMENTI

Specification N° : 1E35-80-1116

Specifica N°

Customer - Cliente :

Sheet : 1 of 3

Plant - Impianto : SABIZ 25000 Kg/h

Foglio

Job - Commessa : 1E35Z

Rev. : 2

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THERMOCOUPLES

Termocoppie

Desmet Ballestra Supply

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REV. 1	x		x																							
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2	ISSUE FOR ORDER n. 101916 - STA	RCL	25.10.10
1	ISSUE FOR BID - Sh. 3	RCL	27.09.10
0	ISSUE FOR ORDER n. 101663 - STA	RCL	27.09.10
REV	Issue Description	Author	Date
Rev.	Descrizione	Autore	Data

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BALLESTRA S.p.A.

SPECIFICA STRUMENTI - TERMOCOPPIE
INSTRUMENT SPECIF. - THERMOCOUPLESCLIENTE
CUSTOMERCOMMESSA
JOB

1E35Z

UNITA'
UNIT.

DWG. 1E35-80-1116

FOGLIO
SHEET 2 DI
OF 2

REV. 0

DESCRIZIONE
SPECIFICATION1 POZZETTO TERMOMETRICO RICAVATO DA TUBO. TIPO ST 75002 F
THERMOMETRIC POCKET FROM PIPE TYPE ST 75002 F2 MATERIALE COME INDICATO NELLE NOTE.
MATERIAL AISI316 SEE NOTESTESTINA
HEAD3 COPERCHIO FILETTATO ALTRO
COVER SCREWED OTHER
4 MATERIALE LEGA AL GHISA ALTRO
MATERIAL AL ALLOY CAST IRON OTHER
5 ESECUZIONE NORMALE STAGNA ALLA MANICH. STAGNA ALLE INTIMP.
ENCLOSURE G. P. W. PRF WH. PRF
6 ALTRO IP55
OTHER7 COSTRUZ. ELETTR. NORME CLASSE DIV. GRUPPO
ELECT. STD TYPE FEEDING: 24Vdc FROM PLC8 DIMENSIONE DEGLI ATTACCHI:
CONNECTIONS:9 ALLA GUAINA 1/2" GAS CIL. F. ALTRO
TO WELL 1/2" GAS CIL. F. 3/4" GAS CIL. F.
10 AL CONDUIT ALTRO
TO CONDUIT OTHER11 NUMERO MORSETTI DELLA BASETTA 2 3 4
TERMINALS ON TERMINAL BLOCK12 MATERIALE BASETTA CERAMICA ALTRO
TERMINAL BLOCK MATERIAL CERAMIC OTHER13 MOLLA DI SPINTA SI NO.
LOADING SPRING YESELEMENTO
ELEMENT14 MATERIALE DELLA GUAINETTA DI PROTEZIONE
SHEATH MATERIAL15 AISI 316 INCONEL NICKEL ALTRO
OTHERDIMENSIONI (DIAMETRO ESTERNO):
DIMENSIONS (O.D.):

6,35 mm

ISOLAMENTO
INSULATIONOSSIDO AL MAGNESIO - BLOCCAGGIO CON RESINA
MAGNESIUM OXIDE SCALING WITH RESINPERLINE DI CERAMICA
CERAMICALTRO
OTHERTERMOCOPPIE
THERMOCOUPLESDIAMETRO FILI
WIRE GAUGESEMPLICI 1 mm 18 AWG
SINGLEALTRO
OTHERDOPPIE 0,9 mm 19 AWG
DOUBLEALTRO
OTHERALTRO
OTHERCARATTERISTICA DIN 43710
CHARACTERISTICALTRO ISA "K"
OTHERGIUNTO CALDO ISOLATO DA MASSA
UNGROUND HOT JUNCTION

SI YES

NO

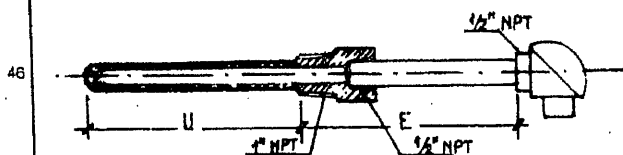
ALTRO
OTHER

TRANSMITTER

INOLT- Mod. APAQ-HCF

ACCESSORI
ACCESSORIES32 CONVERTER/TRANSMITTER 4-20mA MOUNTED
33 INTO HEAD - TWO WIRE TECHNOLOGY

SIGLA TAG NO	SERVIZIO E LUOGO D'INSTALLAZIONE SERVICE & LOCATION	4-20mA CAMPO DI TEMPERATURA TEMPERATURE RANGE SETTING °C	ELEMENTO ELEMENT		TIPO TYPE	SIGLA 2° ELEM. 2ND ELEM. TAG NO.	LUNGHI. (POS. 48)		NOTE NOTES	ORDINE PURCH. DATA
			TC THERMO COUPLE (POS. 47)	OPER. TEMP. °C			U	E		
34										
35	TE/64.1	HOT AIR OUTLET 64H2	0-500	K	350		500	250		
36	IT									
37	TE/64.2	HOT AIR TO 64AT1	0-500	K	350		500	250		
38	IT									
39										
40										
41										
42										
43										
44										
45										

K = CROMEL ALUMEL
CHROMEL ALUMEL

NOTE 1- TC COMPLETE WITH THERMOWELL (MADE FROM PIPE)

IN AISI 316, PROC. CONN. 1" NPT, LAGG. EXTENS. 2"

TROPICALIZATION REQUIRED

6	DATI D'ACQUISTO PURCHASING DATA	1°	2°	3°
53	ISSUE FOR JOB 1E35Z 9/10RCL	N. R.D.O.		
54	CONSTRUTTORE MANUFACTURER	STA		
55	MODELLO MODEL			
56	FORNITORE SUPPLIER	STA		
57	N. ORDINE ORDER NO.	101663		
58	DATA EMISSIONE ORDINE ORDER ISSUING DATE	16/9/10		
59	DATA CONSEGNA DELIVERY DATE			
REV.	DESCRIZIONE DESCRIPTION	DATA DATE	COMP. BY	APPR. APPR.



Desmet Ballestra s.p.a.

INSTRUMENT SPECIFICATION

SPECIFICA STRUMENTI

Specification N° **1E35-80- 1116**

Specifica N°

Customer - Cliente :

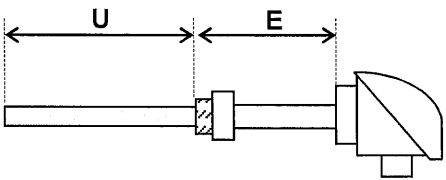
Sheet : **3** of **3**Plant - Impianto : **SABIZ 25000 Kg/h**

Foglio

Job - Commessa : **1E35Z**Rev. : **2**

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Rev.	SPECIFICATION	Rev.	ELEMENT
	Thermometric pocket from <u>from PIPE</u> Type <u>THD. 1" NPT-M</u> Material <u>AISI 316L</u> <h3>HEAD</h3> Cover <input checked="" type="checkbox"/> Screw. <input type="checkbox"/> Other Material <input checked="" type="checkbox"/> Al Alloy <input type="checkbox"/> Cast iron Enclosure <input checked="" type="checkbox"/> W.Proof <input checked="" type="checkbox"/> IP 65 <input checked="" type="checkbox"/> Tropicalized Electrical <input type="checkbox"/> EEx-d <input type="checkbox"/> EEx-ia-IIC-T6 construct. Class <u> </u> Divis. <u> </u> Group <u> </u> Feeding 24 V d.c. (2 wire technic) from Controller <h3>CONNECTIONS</h3> To weel <input checked="" type="checkbox"/> 1/2" NPT-M <input type="checkbox"/> <u> </u> To conduit <input type="checkbox"/> 1/2" NPT-F <input checked="" type="checkbox"/> 3/4" NPT-F <h3>Terminals on terminal block</h3> <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> Terminal block material <input checked="" type="checkbox"/> Ceramic Loading spring <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sheet material <input checked="" type="checkbox"/> AISI 316 <input checked="" type="checkbox"/> INCONEL <input type="checkbox"/> NICKEL Dimensions (O.D.) <input type="checkbox"/> 6 mm <input checked="" type="checkbox"/> Mfr Std Insulation <input checked="" type="checkbox"/> Magnesium oxide Scaling with resin <input type="checkbox"/> Ceramic <input type="checkbox"/> <u> </u> <h3>THERMOCOUPLES</h3> Wire gauge Single <input checked="" type="checkbox"/> 18 AWG Double <input type="checkbox"/> 19 AWG Characteristics <input type="checkbox"/> DIN 43760 <input checked="" type="checkbox"/> ISA" K " Characteristics <input type="checkbox"/> DIN 43760 <input type="checkbox"/> ISA" R " Hot junction : Grounded <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Lengths : 	

Rev.	Tag Number	Service & Location	Transmitter Calibr. Range °C	Element Oper. Temp. °C Type Thermor.	Type Single Double	Process Connect. Flange Class	Lengths mm U E		P&I Dwg.	Remarks
	TET 64.10	Hot air outlet 64H2 1500-AH-64001-109	0 to 800	450 K	<input checked="" type="checkbox"/> <input type="checkbox"/>	---	500	250	1E35.10.1105	1-2
	TET 64.11	Hot air outlet 64H2 1500-AH-64001-109	0 to 800	450 K	<input checked="" type="checkbox"/> <input type="checkbox"/>	---	500	250	1E35.10.1105	1-2
					<input type="checkbox"/> <input type="checkbox"/>					
					<input type="checkbox"/> <input type="checkbox"/>					
					<input type="checkbox"/> <input type="checkbox"/>					
					<input type="checkbox"/> <input type="checkbox"/>					
					<input type="checkbox"/> <input type="checkbox"/>					
					<input type="checkbox"/> <input type="checkbox"/>					
					<input type="checkbox"/> <input type="checkbox"/>					

K = **CHROMEL ALUMEL**R = **Pt87% + Rh13%****TRANSMITTER MOD. PR****Remarks**

- Thermocouple complete of transmitter, 4-20mA signal, programmable, with linearization, up scale burn out
- Termocouple complete of well in AISI 316, type TW 1 (see dwg. SB-PES-T-B011 sheet 1)

PURCHASING DATA

Manufacturer : **STA**
 Model :
 Supplier : **STA**
 Order n° : **101916**