

REV. 5

### **INSTRUMENTS SPECIFICATION** SPECIFICA STRUMENTI

Customer - Cliente Plant - Impianto

SABIZ 25000 Kg / h

Specification N° Specifica N°

1E35-80-1135

Sheet Foglio Rev.

of 5

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Job - Commessa

# FLOAT LEVEL SWITCHES

## Interruttori di livello tipo a galleggiante

## **Desmet Ballestra Supply**

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1	ISSUE FOR BID - Sh.5	RCL	06.10.10
0	ISSUE FOR ORDER n. 101654 - COLIMA	RCL	27.09.10
REV	Issue Description	Author	Date
Rev.	Descrizione	Autore	Data
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Í						FLOAT LE	VEL	SWIT	CHES				
1	Strument	0	Elec	tric		Pneumatic		28	Esecuzione cassa	Normal		Wproof	
2	Description	วก	Buo	yan. type		Pressure type		29	Housing type	IP 55		Tropical.	
3			Disp	lac. type				30	Tipo interruttore	Mercury		Micro	
4	Elem. ser	nsibile	Floa	ıŧ		Diaphragm		1 F	Switch type				
5	Detector			ary paddi	e	Other		1 1	Contatti tipo	SPDT		SPST	
6	Trasmiss	<b>.</b>		ine mpe		Flexible link			Contacts type				
7	Transmis	sion		inetic		Other	<u> </u>	1 1	Capacità contatti	5 A - 24 V	dc	N° 1	
8	Materiali			ector		AISI 316		1 t	Contacts rating	· ·			
9	Materials			ted parts		AISI 316			Differenziale	Fixed		Adjustab.	
`10 ! € 44				dble cabl	10		ļ	l - i	Differential	internal	<b>—</b> (	Edamai	_
11 12			Cas	ffing box		STD 46	<u>.</u> ∐	38 39	Taratura Settina .	Memb		External	<b>└</b>
13				re nsmissio	n	۱۹۸ کی احت AISI 316		1 - 1	Minimo differenziale				
14	ŀ		Ster		11	AISI 316		£ 1	Minimum differential				
15				p. spring	1	THE VIE		42	Interv.interrutt.	High Ilmit		Low limit	
16			Bod		,				Switch operting	•	Ĭ		
17				ernal scr	ews	AISI 304		1 1	Contatto - Contact	Open		Closed	
18	1					•		45	Campo - Range		<u> </u>		OFF
19			Det	ector lini	ng			46	Con spia luminosa-W	ith warning	j ligh	t :	
20	Alimentaz	rione				110 V - 50 Hz		47	Dati di processo - Pi	ocess da	te		
21	Feeding					24 V dc	耳	48	Stato -State		:	LIQUID	
22	Connect	ions	Ele	ctrical	:	1/2" GAS-F	,	49	Viscosità - Viscosity		;	500 CP	
23	Attacchi			Cess	;	3" ANSI 150	RF	50	Peso specif Specifi	c weight	:	1.1 Kg/dm3	
24	<del></del>	ipo - Motor ty		:				51	Pressione - Pressure		:	ATM	
25	Dimensi		B1	;		m <u>5</u> 2_		52	Temperatura - Tempe		:	65 °C	_
26	Dimensi	ons	B2	:	m	m > 150		53	Tendenza a ricoprire	- Coating	tende	ency: N	<b>VO</b>
27	1	1						54					
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_	L 62.8	62A2	<del></del>	urry			<del> </del>		1		Γ		
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-		<u> </u>					,		(*) Contact sw	tching			
No	tes:	IEC UD		/2./								<del></del>	
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BALLESTRA S.P.A. MILANO (ITALIA)

INST	FRUMENT SPECIFICATION	N
		DWG. 1E35-80-1135
CUSTOMER		SH. 3
PLANT:	SABIZ 25000 Kg/h	REV. O
JOB:	1E257	Computer code: LSWF2A09.xis

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### **FLOAT LEVEL SWITCHES**

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1	Strumento	Electric	Pneumatic		28	Esecuzione cassa	Normai		Wproof	
2	Description	Buoyan, type 🚞	Pressure type		29	Housing type	IP 55		Tropical.	
3		Displac. type			30	Tipo interruttore	Mercury		Micro	7.6
4	Elem. sensibile	Float	Diaphragm		31	Switch type				
5	Detector	Rotary paddle [	Other		32	Contatti tipo	SPDT		SPST	
6	Trasmissione	Torque tube	Flexible link		33	Contacts type				
7	Transmission	Magnetic 🔛	Other		34	Capacità contatti	5 A - 24 V	đc	N° 1	
8	Materiali	Detector	AISI 316		35	Contacts rating				
9	Materials	Wetted parts	AISI 316		36	Differenziale	Fixed		Adjustab.	
10		Flexible cable			37	Differential				
11	Ì	Stuffing box			38	Taratura	Internal		External	
12		Case	STD Mfr.		39	Setting				
13		Transmission	AISI 316		40	Minimo differenziale				
14		Stem	AISI 316		41	Minimum differential				
15		Supp. spring			42	Interv.interrutt.	High limit		Low limit	
16		Body			43	Switch operting				
17		External screws	AIS! 304		44	Contatto - Contact	Open		Closed	
18					45	Campo - Range			: ON-	OFF
19		Detector lining			46	Con spia luminosa-W	ith warning	g light	:	
20	Alimentazione		110 V - 50 Hz		47	Dati di processo - Pr	ocess da	ta		
21	Feeding		24 V dc		48	Stato -State		: LI	IQUID	
22	Connections	Electrical :	1/2" GAS-F		49	Viscosità - Viscosity		: 10	0000 CP	
23	Attacchi	Process :	3" ANSI 150	RF	50	Peso specifi Specific	weight	: 1,	1-1,3 Kg/dr	m3
24	Motore tipo - Motor ty	rpe ;			51	Pressione - Pressure		: A	TM	
25	Dimensioni	B1 : mi	m <i>5</i> 2		52	Temperatura - Tempe	rature	; 6	5 °C	
26	Dimensions	B2 : m	m 148		53	Tendenza a ricoprire	- Coating t	endend	by: N	10
27			,		54				-	
1						Manufacturer :				

21			1 24	<u> </u>
Sigla	Serbatoio Vesse/	Fluido	Note	Manufacturer : Model :
Tag	V 68261	Product	Notes	Order n° :
LSH 63.1	63V1	Slurry		度 ± 7,30°(*) B2
LSL 63.1	63V1	Slurry		
				145 B1
			ļ	345 90
				(*) Contact switching
Notes :			······································	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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SUPPLIER; COLIMA ORDER n. 101654

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	ł	ALLEST 11) OKAUM		PLANT		SABIZ 2			<u>n</u>	<del>                                     </del>		O .	
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						FLOAT LEV	/EL	SWI	TCHES				
ŀ	1	Strumente	<b>)</b>	Electric		Pneumatic		28	Esecuzione cassa	Normal		Wproof	
ı	2	Descriptio	n	Buoyan, type		Pressure type		29	Housing type	IP 55		Tropical.	8
	3			Displac. type				30	Tipo interruttore	Mercury		Micro	ł
1	4	Elem. ser	rsibile	Float		Diaphragm		31	Switch type	REED		60VA	
1	5	Detector		Rotary paddle		Other		32	Contatti tipo	SPDT		SPST	
	6	Trasmissi	one	Torque tube		Flexible link		33	Contacts type		•	•	l
ı	7	Transmis	sion	Magnetic		Other		34	Capacità contatti	5 A - 24 V	dc	N° 2	I
	8	Materiali		Detector		AISI 316		35	Contacts rating				
ASSES.	9	Materials		Wetted parts		AISI 316		36	Differenziale	Fixed		Adjustab	· 🗆 🛭
	<u>)</u> 10			Flexible cable				37	Differential				
	11	•		Stuffing box		_		38	Taratura	Internal		External	
	12			Case	<b>S</b> 7			39	Setting				
	13	]		Transmission		AISI 316		40	Minimo differenziale				
	14			Stem		AISI 316		41	Minimum differential			<del></del> -	
	15			Supp. spring				42	Interv.interrutt.	High limit	4	Open	
	16			Body				43	Switch operting		_	Closed	
	17			External screw	/S	AISI 304		44		Low limit		Open	
	18	<u> </u>						45	<u> </u>			Closed	
	19			Detector lining	<u> </u>		<u> </u>	46	Campo - <i>Range</i>			; ON	-OFF
	20	Alimentaz	ione			110 V - 50 Hz		47	Dati di processo - P	rocces de	<u> </u>		
	21	Feeding Connecti		Electrical		24 V dc 1/2" GAS-F		48	Stato - State	00622 00		LIQUID	
	22	Attacchi	OHS		•	3" ANSI 150	DE	50	Viscosità - Viscosity			20 CP	
	23 24		po - <i>Motor ty</i>	Process	<u> </u>	3 ANSI 180	IXF.	51	Peso specif Specifi	c weight	•	1 Kg/dm3	3
		Dimension		<del> </del>	100	mm (HOLD)		<b>⊸i</b>	Pressione - Pressure	_	•	ATM	
		Dimensio		B2 :	,,,,	mm			Temperatura - Temperatura			35 °C	
4 1	1 27	Difficition	7( IQ	B3 :		mm			Tendenza a ricoprire				NO
Ų	<u> </u>			1	<del></del>		T	1	Manufacturer :				
		Sigla	Serbatoio	F	luido		N	ote					
	1	Tag	Vessel	ľ	oduc		1	otes	Model:		b		1
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## INSTRUMENT SPECIFICATION **SPECIFICA STRUMENTI**

Sheet SABIZ 25000 Kg/h Foglio

1E35-80-1135 Specification N°

Specifica N°

Wproof

Tropical.

NO

: ON-OFF

Closed

Customer - Cliente Plant - *Impianto* Job - Commessa

1E35Z

Rev.

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### **FLOAT LEVEL SWITCHES**

1	Strumento	Electric [	Pneumatic		29	Esecuzione cassa
2	Description	Buoyan, type	Pressure type		30	Housing type
3		Displac. type		╚	31	Tipo interruttore
4	Elem. sensibile	Float	Diaphragm		32	Switch type
5	Detector	Rotary paddle	Other		33	Contatti tipo
6	Trasmissione	Torque tube	Flexible link		34	Contacts type
7	Transmission	Magnetic	Other	<u> </u>	35	Capacità contatti
8	Materiali	Float	AISI 316		36	Contacts rating
9	Materials	Wetted parts	AISI 316	<b>.</b> :	37	Differenziale
10		Flexible cable			38	Differential
11		Stuffing box			39	Taratura
12		Case	MFR.STD		40	Setting
13		Transmission	AISI 316		41	Minimo differenzia
14		Stem	AISI 316		42	Minimum different
15		Supp. spring	MFR.STD		43	Interv.interrutt.
16		Body	MFR.STD		44	Switch operting
17		External screws	AISI 316		45	Contatto - Contac
18		Detector lining			46	Campo - Range
19					47	Con spia luminos:
20	Alimentazione		110 V - 50 Hz		48	Dati
21	Feeding		24 V dc		49	
22	Attacchi	Electrical: 1/2" NP	T-F		50	Stato -State
23	Connections	Process : 3" AN	SI 150# RF		51	Viscosità - Viscos
24	Motore tipo - Mo	otor type :			52	Peso specif Spe
25	Dimensioni	B1 : <b>56</b> m	nm		53	Pressione - Press
26	Dimensions	B2 : <b>104</b> r	mm		54	Temperatura - Te
27					55	Tendenza a ricop
28	P & I drawing	: 1E35.	.10.1105		56	
						(*) Contact
	_					

31	Tipo interruttore	Mercury		Micro	
32	Switch type				
33	Contatti tipo п.1	SPDT		SPST	
34	Contacts type				
35	Capacità contatti	5A - 110\	/AC		
36	Contacts rating				
37	Differenziale	Fixed		Adjustab.	
38	Differential				
39	Taratura	Internal		External	
40	Setting				
41	Minimo differenziale				
42	Minimum differential				
43	Interv.interrutt.	High limit		Low limit	
44	Switch operting				

Normal

IP 67

sa-With warning light di processo - Process data

LIQUID sity 5 Cp ecific weight : 0,84 Kg/dm3 **ATM** sure

Open

emperature 50 °C

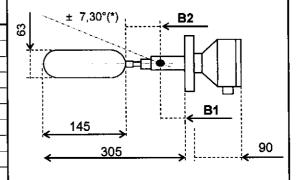
prire - Coating tendency:

Sigla	Serbatoio	Fluido	Note
Tag	Vessel	<i>Product</i>	Notes

LSH 64.10	64V10	DIESEL OIL

LSL 64.10	64V10	DIESEL OIL

switching



Notes:

**PURCHASING DATA** 

**COLIMA** Manufacturer : MEC A Model COLIMA Supplier Order n°

101914