

# INSTRUMENTS SPECIFICATION SPECIFICA STRUMENTI

Specification N° Specifica N° 1E35-80-1148

Customer - Cliente

SABIZ 25000 Kg/h

Sheet

1 of 12

Plant - Impianto
Job - Commessa

1E35Z

Foglio Rev.

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# ON-OFF BALL VALVES SINGLE ACTING ACTUATOR

Valvole on-off a sfera a semplice effetto

## **Desmet Ballestra Supply**

#### **REVISIONS INDEX - INDICE DELLE REVISIONI**

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REV. 0	х	х	x	х	x	x	Х	х	x	X																
REV. 1	x										х	x														
REV. 2	X										X	X														
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REV. 4																										
REV. 5																										
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			- 411-4
2.	ISSUE FOR ORDER n. 10200B - ADLER	RCL	28.10,10
1	ISSUE FOR BID - SH.11-12 (KV 64.15)	RCL	18.10.10
0	ISSUE FOR ORDER n. 101605 - ADLER	RCL	27.09.10
REV	Issue Description	Author	Date
Rev.	Descrizione	Autore	Data

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## BALLESTRA apa MILANO (MALIA)

#### INSTRUMENT SPECIFICATION

CUSTOMER:
PLANT: SABIZ 2500 Kp/h
JOB: 1E35Z

	DWG.	: .	1E35-00-1148
	SH.	;	2
i	REV.	:	0
	Code	•	

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		ON-OFF BALL VALVE	SINGLE	EFFECT
1	•	Caratteristiche generali - General characte	ristics	
2		-	:	
3	٠	Sigla della valvola - Valve tag	:	TV-63.1 A
4		Linea installazione valvola - Valve installation line	:	1"-VB-63151-205
5	•	Tipo valvola - Valve type	;	Sfera - Ball ( S152 )
6		Valvola a tenuta perfetta completa di attuatore pne		•
. 7		molla per assicurare la posizione di emergenza in	manca	nza d'aria.
8		Notes a side timber about afficient a consideration with a simple analysis	<b></b>	
9		Valve with tight shut-off complete with single acting		matic actuator and spring return to
10		assure the emergency position in case of air fallur	e.	☐ Aperta ■ Chiusa
11		In mancanza di aria ( emergenza ) la valvola è		☐ Aperta ☐ Chiusa  Open Closed
12		When air is failing (emergency) the valve is	•	Open Glosed
13 14		Condizioni di esercizio - Operating conditi	ons	
15		Fluido di processo - Process fluid		STEAM
16		Pressione di esercizio - Operating pressure	•	6 BAR ABS.
17		Temperatura di esercizio - Operating temperature	:	164 °C
18		· · · · · · · · · · · · · · · · · · ·	•	-
19		Materiali - Materials		
20		Corpo - Body		CARBON STEEL
21		Stelo - Stem	:	AISI 304
<u></u>		Sfera - Ball	•	AISI 304
23		Anello di tenuta - Seal ring	:	TEFLON + METAL
24			•	·
25	•	Dimensioni - Size and rating		
26	İ	Diametro nominale - Nominal diameter	:	. 1 <sup>n</sup>
27		Attacchi - Connections	:	ANSI-150-RF
28		Accessori - Accessoires		
29	1	N° 2 Finecorsa montati sull'operatore pneumatico	per se	onalare le posizioni aperta e chiusa
30	1	della valvola. TAG: ZS-63.1 / A o		Burging in beathaum about a guidan
31	1	N° 2 Limit switches mounted on pneumatic opera	tor to si	ignal the positions open-closed of valve.
32	1	Costruttore - Manufacturer	:	See sheet: 10
33	1	Modello - Model	:	See sheet: 10
34	1			
35	1.	Attuatore - Pneumatic operator		·
36		Aria Strumenti - Instruments Air	:	4 - 8 Bar
37	1.	Pressione comando - Control pressure	:	4 - Bar
38	1	Connessioni pneumatiche	:	1/4" NPT-F (NAMUR)
39		Pneumatic connections		
40		Costruttore - Manufacturer	:	AUTOMAX SN-85 SR
41	_	Modello - Model	;	
42				
43				
Note		·	<u> </u>	PURCHASING DATA
		complete with junction box, mounted on pneumatic operator,		
		hnical date see sheet 10	Manufac	*****
1 '		complete of solenoid valve, mounted on pneumatic operator,	Model	: FA 2
fo	r tec	hnical date see sheet 3	Supplier Order n	A
1			Order II	. 101 603
Щ				

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BALLESTRA BAL
MILANO (ITALIA)

### **INSTRUMENT SPECIFICATION**

:1E35-80-1148

DWG.

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REV.

Code

CUSTOMER:
PLANT: SABIZ 25000 Ky/n
JOB: 1E35Z

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#### **SOLENOID VALVE**

Tipo	de d	5 Vie 5 Wa Sflato Vent	
Alimentazione Elettrica	de ed sa	Sfiato	<u>y</u>
Power supply	ed sa ed		
Valvola a 2 vie - In mancanza energia elettrica   Query valve - on electric failure   Query valve - on electric failure   Query valve at   Solenoide energizzato   Via   Aperta   Chiusi   Valve at   Solenoide energizzato   Via   Aperta   Chiusi   Aperta   Ad/5 valve at   Solenoide energizzato   Via   Aperta   Chiusi   Ad/5 valve   Chiusi   Aperta   Chiusi   Compositi   Crompositi   Compositi   Compos	ed sa ed		
2 way valve - on electric failure	ed sa ed		- 1
Valvola a   Solenoide energizzato   Via   Aperta   Chiust   Via   Via   Aperta   Solenoide energizzato   Via   Aperta   Chiust   Chiust   Via   Chiust   Chiu	sa ed		
34/5 vie   Solenoide energizato   Way   P - A Open   P - E Closes	ed		<del></del>
Valve at   Solenoide energizzato   Via   Aperta   Chius		7 0111	′ I
3/4/5 ways   Solenoid energized   Way   Open   Closes		Sfiato	, <u>-</u>
Tag	· I	Vent	
Tag			
Service	Į		
Fluido		8	
Fluid   INSTRUMENT AIR   Composition   Corrosivi   Composition   Corrosivi	!	T	1
Compositi corrosivi			
Section   Corrosive agents   Corrosive agents   Temperatura   Corrosive agents   Temperatura   Corrosive agents   Temperatura   Corrosive agents   Corrosive agents	P	2 2	Е
Temperatura	İ		
10   0   0   0   0   0   0   0   0   0		Name of the last	,
Viscosity			i i
Viscosity		سلم	
Viscosity		- 3	A
Viscosity		"	^
Viscosity		Щ.	١
Viscosity		E	
13			ļ
Tenuta perfetta Tight shut-off  CV calcolato Calculated CV Selected CV  Dimens. corpo Body size Port size  Connessioni e rating Rating and connections  Materiale corpo Body material Materiale sede Seat material Materiale baderna Packing material Packing material Azionata da pilota Pilot operated Manual reset Menual operator Manual reset Menual operator		<b>VS</b>	[ ]
Tight shut-off  CV calcolato Calculated CV Selected CV  Dimens. corpo Body size Port size  Connessioni e rating Rating and connections  1/4" NPT-F (NAMUR)  Materiale corpo Body meterial MFR. STD.  Materiale sede Seat material  NFR. STD.  Materiale baderna Packing material Packing material Azionata da pilota Pilot operated Packess. Riarmo manuale Access. Riarmo manuale Access. Manual reset Manual operator Materiale MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  Azionata da pilota Pilot operated NFR. STD.  MFR. STD.			
CV calcolato   CV scelto   Calculated CV   Selected CV     16			
Calculated CV Selected CV  Dimens. corpo Dimens. sede Body size Port size  Connessioni e rating Rating and connections 1/4" NPT-F (NAMUR)  Materiale corpo Body meterial MFR. STD.  Materiale baderna Packing material MFR. STD.  Materiale baderna Packing material MFR. STD.  Azionata da pilota Pilot operated YES (INTERNAL)  Access. Riarmo manuale Operatore manuale Access. Manual reset Manual operator NO YES  Attacco elettrico Electrical connection 1/2" GAS-F	F	P	Α
Dimens. corpo Body size Port size  Connessioni e rating Rating and connections  1/4" NPT-F (NAMUR)  Materiale corpo Body meterial MFR. STD.  Materiale baderna Packing material MFR. STD.  MFR. STD.  Azionata da pilota Pilot operated Packess. Riarmo manuale Access. Riarmo manuale Manual operator MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  MFR. STD.  Atlance operated  YES (INTERNAL)  22 Access. Manual reset Manual operator NO YES  Attacco elettrico Electrical connection  1/2" GAS-F		4	
Body size Port size  Connessioni e rating Rating and connections 1/4" NPT-F ( NAMUR )  Materiale corpo Body meterial MFR. STD.  Materiale sede Seat material MFR. STD.  Materiale baderna Packing material MFR. STD.  Azionata da pilota Pilot operated YES (INTERNAL)  Access. Riarmo manuale Operatore manuale Access. Manual reset Manual operator NO YES  Attacco elettrico Electrical connection 1/2" GAS-F	F	E	В
Connessioni e rating Rating and connections  1/4" NPT-F ( NAMUR )  Materiale corpo Body meterial  MFR. STD.  Materiale baderna Packing material Packing material Azionata da pilota Pilot operated Packing manuale Access.  Riarmo manuale Manual operator Manual operator NO YES  Attacco elettrico Electrical connection  1/4" NPT-F ( NAMUR )  MFR. STD.  MFR. STD.  YES (INTERNAL)  YES (INTERNAL)			]
Rating and connections 1/4" NPT-F (NAMUR)  Materiale corpo Body meterial MFR. STD.  Materiale sede Seat material MFR. STD.  Materiale baderna Packing material MFR. STD.  Azionata da pilota Pilot operated YES (INTERNAL)  22 Access. Riarmo manuale Operatore manuale Access. Manual reset Manual operator NO YES  Attacco elettrico Electrical connection 1/2" GAS-F	-1		1
Materiale corpo   Body meterial   MFR. STD.	1	Marke	1
Body meterial MFR. STD.  Materiale sede Seat material MFR. STD.  Materiale baderna Packing material MFR. STD.  Azionata da pilota Pilot operated YES (INTERNAL)  Access. Riarmo manuale Operatore manuale Access. Manual reset Manual operator NO YES  Attacco elettrico Electrical connection 1/2" GAS-F		28	i
Seat material   MFR. STD.	F	EA C	1
Seat material   MFR. STD.		-^	A
20 Materiale baderna Packing material Azionata da pilota Pilot operated YES (INTERNAL)  22 Access. Riarmo manuale Operatore manuale Access. Manual reset Manual operator NO YES  23 Attacco elettrico Electrical connection 1/2" GAS-F	į,	P   5	"
Packing material MFR. STD.  21 Azionata da pilota Pilot operated YES (INTERNAL)  22 Access. Riarmo manuale Operatore manuale Access. Manual reset Manual operator NO YES  23 Attacco elettrico Electrical connection 1/2" GAS-F			В
21	E	В	
22 Access. Riarmo manuale Operatore manuale Access. Manual reset Manual operator NO YES  23 Attacco elettrico Electrical connection 1/2" GAS-F			<u>-</u> -
Access. Manual reset Manual operator NO YES  23 Attacco elettrico Electrical connection 1/2" GAS-F		592	ž.
23 Attacco elettrico Electrical connection 1/2" GAS-F			
Electrical connection 1/2" GAS-F		P INLI	
			TLET
1 Od 1   Tipo di contonitoro			TLET
24 Tipo di contenitore   Housing type 1P 65		E VEN	
25 Tropicalizzazione		EB VEŅ	
Tropicalization	1-		
Note: PURCHASING DATA	Δ		
TOTOLINO DATA	•		
Manufacturer ASCO JOUCOMATIC  Model  Supplier : ADLER  Order n° 101605	<b>;</b>		

# BALLESTRA 8.p.a. MILANO (ITALIA)

## INSTRUMENT SPECIFICATION

CUSTOMER:
PLANT: SABIZ 25000 Kg/h
JOB: 1E352

DWG. : 1635-801148 SH. : 4 REV. : 0

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We rese	erve (	he ownership under the law of this document with prohibition of even partial reproduc	ction and to r	make it known to third persons without our written authorization
		ON-OFF BALL VALVE		
1 2		Caratteristiche generali - General characte	ristics	
3 4 5 6 7 8		Sigla della vaivola - Valve tag Linea installazione valvola - Valve installation line Tipo valvola - Valve type Valvola a tenuta perfetta completa di attuatore pne molla per assicurare la posizione di emergenza in	: eumatic	
9 10 11 12 13 14	•	Valve with tight shut-off complete with single acting assure the emergency position in case of air failure.  In mancanza di aria (emergenza) la valvola è When air is failing (emergency) the valve is Condizioni di esercizio - Operating conditi	ře. :	matic actuator and spring return to  Aperta Chiusa Open Closed
15 16 17 18		Fluido di processo - Process fluid Pressione di esercizio - Operating pressure Temperatura di esercizio - Operating temperature	:	STEAM 6 BAR ABS. 164 °C
19 20 21 22 23 24	•	Materiali - Materials Corpo - Body Stelo - Stem Sfera - Ball Anello di tenuta - Seal ring	:	CARBON STEEL AISI 304 AISI 304 TEFLON + METAL
25 26 27 28 29 30 31	•	Dimensioni - Size and rating Diametro nominale - Nominal diameter Attacchi - Connections Accessori - Accessoires N° 2 Finecorsa montati sull'operatore pneumatico della valvola. TAG: ZS-63.1/B o/o N° 2 Limit switches mounted on pneumatic operatore	•	
32 33 34		Costruttore - Manufacturer Modello - Model	;	See sheet: 10 See sheet: 10
35 36 37 38 39 40 41 42		Attuatore - Pneumatic operator  Aria Strumenti - Instruments Air  Pressione comando - Control pressure  Connessioni pneumatiche  Pneumatic connections  Costruttore - Manufacturer  Modello - Model	; ; ;	4 - 8 Bar 4 - Bar 1/4" NPT-F (NAMUR) AUTOMAX SN-85 SR
43	<u> </u>		T -	
for 2) Val	ve c	complete with junction box, mounted on pneumatic operator, nrical date see sheet 10 complete of solenoid valve, mounted on pneumatic operator, nrical date see sheet 5	Manufac Model Supplier Order n°	FA 2



#### INSTRUMENT SPECIFICATION

DWG. :1E35-80-1148 CUSTOMER: SH. SABIZ REV 1E352

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Order n°

101605

#### INSTRUMENT SPECIFICATION DWG. :1E35-90-449 SH. CUSTOMER: SABIZ REV. PLANT: MILANO (FTALLA) JOB: Code Ci diserviamo la proprietà a termine di legge di questo documento con divieto di riprodurto anche in parte o di renderio a terzi senza nostra autorizzazione scritta. We reserve the ownership under the law of this document with prohibition of even partial reproduction and to make it known to third persons without our written authorization **ON-OFF BALL VALVE SINGLE EFFECT** Caratteristiche generali - General characteristics 1 2 Sigla della valvola - Valve tag H V-62.4 3 **DISCHARGE 62 A 1** Linea installazione valvola - Valve installation line 4 Sfera - Ball (FONDO)(S128) Tipo valvola - Valve type 5 Valvola a tenuta perfetta completa di attuatore pneumatico a semplice effetto con ritorno a 6 molla per assicurare la posizione di emergenza in mancanza d'aria. 7 8 Valve with tight shut-off complete with single acting pneumatic actuator and spring return to 9 assure the emergency position in case of air failure. 10 Chiusa Aperta 11 Open Closed în mancanza di aria ( emergenza ) la valvola è 12 When air is failing ( emergency ) the valve is 13 Condizioni di esercizio - Operating conditions 14 **SLURRY** Fluido di processo - Process fluid 15 Pressione di esercizio - Operating pressure 1 BAR ABS. 16 60 °C Temperatura di esercizio - Operating temperature 17 18 Materiali - Materials 19 **CARBON STEEL** Corpo - Body 20 **AISI 304** Stelo - Stem 21 **AISI 304** Sfera - Ball 22 Anello di tenuta - Seal ring TEFLON 23 24 · Dimensioni - Size and rating 25 Diametro nominale - Nominal diameter 26 Attacchi - Connections ANSI-150-RF 27 · Accessori - Accessoires 28 N° 2 Finecorsa montati sull'operatore pneumatico per segnalare le posizioni aperta e chiusa 29 TAG: ZS-62.4 o/c della valvola. 30 N° 2 Limit switches mounted on pneumatic operator to signal the positions open-closed of valve. 31 See sheet: 10 Costruttore - Manufacturer 32 See sheet: 10 Modello - Model 33 34 · Attuatore - Pneumatic operator 35

Note:	PURCHASING DATA					
1) Valve complete with junction box, mounted on pneumatic operator, for technical date see sheet 10 2) Valve complete of solenoid valve, mounted on pneumatic operator,	Manufacturer Model	:	ADLER FA 2			
for technical date see sheet 7  3) Valve complete with " SPACER "	Supplier Order n°	:	101605			

4 - 8 Bar

4 - Bar

1/4" NPT-F (NAMUR)

**AUTOMAX SN 175 SR** 

Aria Strumenti - Instruments Air

Connessioni pneumatiche

Costruttore - Manufacturer

Pneumatic connections

Modello - Model

Pressione comando - Control pressure

36

37

38

39

40

41

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BALLESTRA apa milano (italia)

INSTRUMENT SPECIFICATION
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DWG. SH. : 1E35-80-1148

CUSTOMER:
PLANT: SABIZ 25000 Kg

REV. : O

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#### **SOLENOID VALVE**

	Tipo		SING	E SOLENOID		2 Vie 2 Way	X	3 Vie 3 Way		4 Vie 4 Way			Vie Way	$\overline{}$
	<i>Type</i> Alimentazio	ne Flettric		L QUELITUID	JT	Classificazione	area	~ ***			<del> </del>			
	Power supp			10V - 50Hz		Area classifica		WATER	RPROOF					
3	Valvola a 2	vie - in ma		rergia elettrica				Apre		Chiude			-	
	2 way valve	- on elect	ric failure					Open		Closed	-		·~	
	Valvola a			energizzato		Via	١	Aperta		Chiusa			fiato 'ent	ı
١	3/4/5 vie		Solenoid ei			Way	P-A	Open	P-E	Closed Chiusa	<del> </del>		fiato	
	Valve at			energizzato		Via	İ	Aperta Open		Closed			ent	
	3/4/5 ways		Solenoid ei	nergized		Way		Орен		C10360		. ,	0111	
	Sigla					Hy	62.4	ì						
	Tag Servizio			· · · · · · · · · · · · · · · · · · ·			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		The state of the s	***************************************		Ñ	<b>-</b> 3:	ŀ
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9		emperati		norm. / max							j	1	S.	1
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10		Pressione		norm. / max	•	7 bar						P	3	
11	pro	Operating Deso spec		norm. / max		l Dar	.1					.	Ĭ	, ^^ <b> </b>
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13	.1 0	Portata		(444) *** *** * * * * * * * * * * * * * *		1				****			Ş	
l '-	<b>b</b> 1	Flow rate							100   100 hdp4   100 0 2 100 0 2 104 0 h h h h h h					, 1
14	1	Tenuta pe	rfetta	And the same of the same and the same same same same same same same sam		1						_	1	.
1		Tight shu	-off				/ES					P		A
15		CV calcol		CV scelto		1						ا ہے ا	4	
<b>1</b>		Calculate		Selected CV								E		В
16		Dimens.	•	Dimens. sede								\      !		J
	<u>.</u>	Body size		Port size								1		
17			oni e rating			1/4" NPT-	E / NAM	ue i				} ;	45	1
18	[	Rating ar Materiale	d connecti	UNS		11-4 INF I	, / IZOIAI	<del>20</del> 2-				1 1	CFEDERAL SE	4
18	8 2	Body ma				ME	R. STD.	į				EA		1 '
19	Corpo	Materiale								. <del> </del>		1		Α
'8	104	Seat mat				MF	R. STD.					P	5	1
20			badema						11 4 1 30					В
"		Packing.				MF	R. STD.			//- 11 mm-1-1-1		EB	<u>L,                                    </u>	]
21	[		da pilota	- man					. —				11 11 11 11 11 11 11 11 11 11 11 11 11	<b>រា</b>
<u> </u>		Pilot ope			· ·	YE\$ (I	NTERNA	<u>\L)</u>				-}	5	3
22		Riarmo r		Operatore manua	ile		1	E0				P	INL	ET
	Access.	Manual		Manual operator		NO	1 <u>Y</u>	ES		and the rain rea in inches of a		∃ Ā		.e. TLET
23	-	Attacco	elettrico Il connectic	n .		1/2	" GAS-F	!				B		TLET
24			ontenitore	91 1					***************************************			- 1	VEN	
		Housing					IP 65						VEN	
25			izzazione			., . ,						¯ EB	VE	ΝT
		Tropical												
Not	e :							PUR	CHASING	ATAD E				
[ ]	- •						<del></del>							
ĺ						Manufacture	ır ·	ASC	o Jouc	OMATIC				
-						}		~~~						
ì						Model	;							
1						Supplier	:	ADL						
1						Order n°	:	10	1605					
						1								

#### INSTRUMENT SPECIFICATION DWG. :1E35-80-1148 CUSTOMER: SH SABIZ PLANT: MILANO (ITALIA) JOB: Ci riservismo la proprietà a termine di legge di guesto documento con divieto di riprodurto anche in parte o di rendado a terzi senza nostra autorizzazione scritta. We reserve the ownership under the law of this document with prohibition of even partial reproduction and to make it known to third persons without our written authorization ON-OFF BALL VALVE SINGLE EFFECT Caratteristiche generali - General characteristics 1 2 HV-62.5 · Sigla della valvola - Valve tag 3 Linea installazione valvola - Valve installation line DISCHARGE 62 A 1 / A 4 Sfera - Ball (FONDO)(S128) Tipo valvola - Valve type 5 Valvoia a tenuta perfetta completa di attuatore pneumatico a semplice effetto con ritorno a 6 molla per assicurare la posizione di emergenza in mancanza d'aria. 7 8 Valve with tight shut-off complete with single acting pneumatic actuator and spring return to 9 assure the emergency position in case of air failure. 10 Chiusa Aperta 11 Closed In mancanza di aria ( emergenza ) la valvola è Open 12 When air is failing (emergency) the valve is 13 Condizioni di esercizio - Operating conditions 14 Fluido di processo - Process fluid SLURRY 15 Pressione di esercizio - Operatino pressure 1 BAR ABS. 16 Temperatura di esercizio - Operating temperature 60 °C 17 18 Materiali - Materials 19 **CARBON STEEL** 20 Corpo - Body Stelo - Stem **AISI 304** 21 **AISI 304** Sfera - Ball 22 **TEFLON** Anello di tenuta - Seal ring 23 24 Dimensioni - Size and rating 25 Diametro nominale - Nominal diameter 26 Attacchi - Connections ANSI-150-RF 27 Accessori - Accessoires 28 N° 2 Finecorsa montati sull'operatore pneumatico per segnalare le posizioni aperta e chiusa 29 TAG: ZS-62.5 o/c della valvola. 30 N° 2 Limit switches mounted on pneumatic operator to signal the positions open-closed of valve. 31 See sheet: 10 Costruttore - Manufacturer 32 Modello - Model See sheet: 10 33 34 · Attuatore - Pneumatic operator 35 Aria Strumenti - Instruments Air 4 - 8 Bar 36 Pressione comando - Control pressure 4 - Bar 37 1/4" NPT-F (NAMUR) Connessioni pneumatiche 38 Pneumatic connections 39 **AUTOMAX SN 175 SR** Costruttore - Manufacturer 40 Modello - Model 41 42 43 **PURCHASING DATA** 1) Valve complete with junction box, mounted on pneumatic operator, ADLER Manufacturer for technical date see sheet 10 FA 2 2) Valve complete of solenoid valve, mounted on pneumatic operator. Model

Supplier

Order n°

101605

for technical date see sheet 9

3) Valve complete with " SPACER "

BALLESTRA R.P.A.

INS	TRUMENT SPECIFICATION	)N		
		DWG.	: 4	1E35-B0-1148
CUSTOMER	₹:	SH.		9
PLANT:	SABIZ 25000 Kp/	REV.	:	0
JOB:	1F357	Code	······································	

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				SOL	ENOID VA	LVE						
	Tipo <i>Type</i>	SING	LE SOLENOID		2 Vie 2 Way	X	3 Vie 3 Way		4 Vie 4 Way		5 Vie 5 W	
2	Alimentazio	Itazione Elettrica			Classificazion	е агеа		*******	·	T		
	Power sup		110V - 50Hz	,	Area classifica	ation		PROOF				
		vie - in mancanza					Apre		Chiude	1		
		e - on electric failur			II. 2	ļ <u> </u>	Open		Closed	,	· ~- <u></u>	
	Valvola a	Solenoide	e energizzato		Via	١.,	Aperta		Chiusa		Stiat	
	3/4/5 vie Valve at		energized		Way	P-A Open		P·E	Closed	Vent Sflato		
4	3/4/5 ways		e energizzato		1	Via Aperta Chiusa				1		
	Sigla	Soletiolo	energized		Way	.1	Open		Closed		Vent	
- 1	Tag				u <sub>2</sub>	-62.5						
	Servizio	han hi a dan han an an a a gall an gall an delen ann an an ann an angair an ann an ann an	### ##################################						_,		45	3
_	Service				COMMAI	ND KV-6:	2.5				CAPTURE TO SERVICE	ā .
7.		Fluido										٦
	4,	Fluid			INSTRUMENT AIR				P	2	E	
8		Composti corrosivi	d i a i militadi i mi melitara demonstrata entre no estado de la telefonia de estado en el mento de estado en e							ge ame = 9,00 \$ 1.00 mm :		
		Corrosive agents				NO		,				_
9		Temperatura	norm. / max									
	S So	Operating tempera		F11 100 15	30 °C						$\Box$	_
10		Pressione	norm. / max									1
	SS.	Operating pressure	norm./max		7 bar			mar e referencia monte de la Participa de la P		P	3	A
11	in S	Peso specifico					i					_
	F F	Specific gravity									_	
12		Viscosità				00.0-	}				E	
13		Viscosity Portata	ar enamentar norm on the orthodoxy of the first continuous de		<u>U,</u> '	02 Cp					tions.	a:
13	]	Flow rate									<b>45</b>	2
14		Tenuta perfetta										٦ .
		Tight shut-off			,	YES				F	,	A
15		CV calcolato	CV scelto			:- T			,		4	1
		Calculated CV	Selected CV							E		В
16		Dimens, corpo	Dimens, sede									1
	1	Body size	Port size							ļ		
17		Connessioni e ratir	· ·									
		Rating and connec	tions	The contract of the country	1/4" NPT-	-F ( NAMI	JR)	na vij Marakan kom prámo Tri na 140 a				
18	ا ، ا	Materiale corpo					}		•	_		_
	Corpo	Body material			Mh	R. STD.			7,7 <b>,000 1</b>	Ε	A	١.
19	ပြိတ်	Materiale sede			NATT.	D OTD					,   5	A
20	-	Seat material Materiale baderna			IVIE	R. STD.				l	ין י	В
<b>1</b> 20		Packing material			MFR. STD.			•		E	В	
21	-	Azionata da pilota			- NIII (. 012.						~   	
1 -		Pliot operated			YES (I	NTERNA	L)				<b>35</b>	露
22	Access.	Riarmo manuale	Operatore manua	le	1						-TKP/ER	
	Access.	Manual reset	Manual operator		NO	YE	s	-				LET
23		Attacco elettrico										JTLET
	-	Electrical connect			1/2	" GAS-F						JTLET
24	1	Tipo di contenitore	)			ID 6E	Ì				E VE	
25	-	Housing type Tropicalizzazione	girig samahami sancias ka many manahan nyaétaran di akambahan m			IP 65					A VE	
25		Tropicalization			1					-		
Note	<u>.</u>	1 oproduzanom			-		DIIDC	HASING	DATA		<u> </u>	
INOIG	•		•				1 310		אוא			
			·									
					Manufacture	er :	ASCC	JOUCO	MATIC			
1					Model	:						
1					Supplier	:	ADLE	R				
1					1		10.1	605				
•					Order n°	:	4674	CO				



#### **INSTRUMENT SPECIFICATION**

CUSTOMER:
PLANT: SABIZ 25000 KP/N
JOB: 1635 Z

DWG.: 1E35-80-1148 sh.: 10 rev.: 0

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### BOX MICRO - SWITCHES FOR SIGNALING VALVE POSITION (FOR VALVE WV -XX)

				,
2		THECNICAL CHARACTERISTICS		
3				
4		Box protection degrre	:	IP 67
5		Material	:	ALUMINIUM PRESS. DIE-CASTING
6		Colour	:	BLACK
7		Electrical execution	:	WATERPROOF
8		Electrical connection	•	Nº 150 M20
9			•	120 1120
10		COMPLETE WITH THE FOLLOWING		
11		COMPONENTS		
12		OOM ONLING		
13	4	POSITION INDICATOR		
marks, 1911 year	٠.	Two colours		RED - CLOSED / GREEN - OPEN
14		Material		POLICARBONATE
15			•	POLICARBONATE
16		Mechanically integral with the shaft of the valve		
17		the shall of the valve		
18	_	ACTUATING CARRO		
19	Ζ.	ACTUATING CAMS		
20		With rotation angles from 0 to 90°		
21		TERMINAL BOARD		
22	3.			
23		Prewired with N° 9 terminals of 2,5 mm2		OTANDADD
24		Colour	:	STANDARD
25				
26	4.	MICROSWITCHES		ITEM: ZS 6x.xx o/c
27		Will have to be installed in the box		
28		and connected to the		
29	•	terminal board N° 2	;	PROXIMITY SWITCH
30		Manufacturer	:	PEPPERL + FUCHS
31		Model	:	NCN4 - 12GM - 40Z0 (with led)
32		Contact Rating	:	0,1 A - 24 V d.c.
33		Electrical certification	:	
34				
35	5.	FIXING BRACKET OF THE BOX		
36		COMPLETE OF THE BOLTS FOR		
37		FIXING NAMUR MECHANICAL		
38		CONNECTION		•
39		Material	;	STAINLESS STEEL
40				
41				
Note				PURCHASING DATA
1				
1			l	and the same and

Manufacturer

Model

Supplier

Order n°

Automax

**ADLER** 

101605

WDC0217201 / BTA



### **INSTRUMENT SPECIFICATION SPECIFICA STRUMENTI**

Customer - Cliente

Job - Commessa

1E35-80-1148 Specification N°

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Specifica N°

Sheet Foglio Rev.

SABIZ 25000 Kg/h Plant - Impianto 1E35Z

2

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1	VALUE TAC Sinia Valuete	10/0448			
2	VALVE TAG - Sigla Valvola	: KV 64.15			
3	Valve installation line - Linea installazione valvola	: 1 1/2"-GO-64003-212			
4	Line material - Materiale della linea	CARBON STEEL			
5	Service - Servizio	: FUEL OIL TO 64V10			
6	P&ID Drawing - Numero P&I	: 1E35-10-11105 Sh.1			
7					
8	BALLESTRA VALVE TYPE - STD Ballestra	: BALL type S127 (ST.46590)			
9	Valve with tight shut-off complete with single acting pneumation	c actuator and spring return to			
10	assure the emergency position in case of air failure.				
11	BORE - Passaggio	: Full Reduced			
12	When air is failing ( emergency ) the valve is	: Open Closed			
13					
14	OPERATING CONDITIONS - Condizioni operative				
15	Process fluid - Fluido di processo	: FUEL OIL			
16	Fluid type - Tipo fluido	: LIQUID			
17	Operating pressure - Pressione operativa	: Nor = 3 Barg - Max 5 Barg			
18	Operating temperature - Temperatura operativa	: 30-50 °C			
19					
20	VALVE MATERIALS - Materiali valvola				
21	Body - Corpo	: CARBON STEEL (ASTM A105)			
22	Stem - Stelo	: AISI 304			
23	Bail - <i>Sfera</i>	: AISI 304			
24	Seat - Sede	: TEFLON			
25					
26	GENERAL - Note generali				
27	Seat leackage - Classe di tenuta	: Classe VI - ANSI B16.104			
28	TA-LUFT - Fire safe - Antistatic device	: Required			
29	Nominal diameter - Diametro nominale	: 1 1/2"			
30	Connections type and rating - Tipo connessione	: ANSI B16.5 - 150 RF - (125-250 AARH)			
31		:			
32					
33	ACCESSORIES - Accessori				
34	-Limit switches and Indicator box - Fine corsa e Box indicator	catore			
35	N° 2 Limit switches to signal the positions open-closed	l of valve			
36	Limit switches tag	: ZSH-64.15- ZSL-64.15			
37	Box tag	: BZS-64.15			
38	Technical characteristics	See sh10			
39	-Pneumatic operator - Attuatore pneumatico	:			
40	Pressure of the instrument air supply	: Min. 4 Barg - Nor.7 Barg - Max. 8 Barg			
41	Pneumatic operator dimensioned by Min. pressure	: 4 Barg			
42	Pneumatic connections	: 1/4" NPT-F (NAMUR)			
43	Manufacturer	: Model :			
44	-Solenoid valve - Elettrovalvola				
45	Solenoid valve tag	: <b>HY 64.15</b>			
46	For technical characteristics see sheet 12	_			
47	-Hanwheel - Volantino	: 🔲 Yes / Si 📕 No			
48					
49					
Rem	parks	PURCHASING DATA			
	1- Valve complete with micro switches box, according to sh.10	Manufacturer : ASLER			

- 2- Valve complete with solenoid valve, mounted on pneumatic operator, according to sh.12

Model

FA1 ADLER Supplier Order n°



### INSTRUMENT SPECIFICATION SPECIFICA STRUMENTI

Specification N° Specifica N°

1E35-80-1148

Customer - Cliente

Sheet

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SABIZ 25000 Kg/h Plant - Impianto Foglio Job - Commessa 1E35Z Rev. Ci riserviamo la proprietà a termine di legge di questo documento con divieto di riprodurlo anche in parte o di renderlo a terzi senza nostra autorizzazione scritta. We reserve the ownership under the law of this document with prohibition of even partial reproduction and to make it known to third persons without our written authorization 2 Tipo 2 Vie 3 Vie 4 Vie **SINGLE COIL** 2 Way 3 Type 3 Way 4 Way 5 Way Classificazione area Alimentazione Elettrica Certificazione 4 110V - 50 Hz **WATER PROOF** 5 Power supply Area classification Electrical constr. Valvola a 2 vie - in mancanza energia elettrica Chiude 6 Apre 2 way valve - on electric failure Open Closed 7 Sfiato 8 Valvola a Solenoide energizzato Via Chiusa Aperta P-E Solenoid energized 9 3/4/5 vie Way Open Closed Vent 10 Valve at Solenoide disenergizzato Via Aperta Chiusa Sfiato 3/4/5 ways Solenoid disenergized Way Open Closed Vent 11 12 Sigla TYPE X Y 64.15 Tag 13 Servizio S 14 Air to pneumatic operator 15 Service of valve Montaggio 16 On pneumatic operator Mounting location Е 17 Quantità 18 1 19 Quantity Fluido 20 INSTRUMENT AIR 21 Fluid 22 Composti corrosivi NO Corrosive agents 23 Temperatura 24 norm. / max 30 °C Dati di processo 25 Operating temperature norm. / max Process data 26 Pressione min. / norm. / max 7 Bar 4 Bar 8 Bar Operating pressure min. / norm. / max 27 28 Peso specifico 29 Molecular Weight Specific gravity 29 30 Viscosità 0.01 Cp Viscosity 31 32 Portata Flow rate 33 Tenuta perfetta 34 YES F В 35 Tight shut-off 36 CV calcolato CV scelto Calculated CV Selected CV 37 Dimens. corpo Dimens, sede 38 39 Body size Port size Connessioni e rating 40 1/4" NPT-F (tipo NAMUR) 41 Rating and connections Materiale corpo 42 **INOX** Body material 43 B 44 Materiale sede **INOX** 45 Seat material EΒ Materiale baderna 46 **NBR** 47 Packing material 48 Azionata da pilota NO Pilot operated 49 Р INLET Riarmo manuale Operatore manuale 50 NO YES OUTLET 51 Manual reset Manual operator A Tag metal plate OUTLET 52 YES fixed on body valve E VENT 53 FA VENT 54 Tipo di contenitore IP 65 **EB VENT** 55 Housing type Attacco elettrico 56 1/2" - NPT-F 55 Electrical connection Absorbed power Inrush power 56 Potenza assorbita Potenza allo spunto 57 certification 58 59 Certificati Purchasing data Remarks Installed on Installed on Item SOV. Item SOV. Manufacturer AȘCO JOUCOMATIC valve valve SC8551A409MO Model ADLER Supplier Order number 102008