



INSTRUMENTS SPECIFICATION SPECIFICA STRUMENTI

Specification N° : **1E35-80-1147**

Specifica N°

Customer - *Cliente* :

Sheet : **1** of **4**

Plant - *Impianto* : **SABIZ 25000 Kg/h**

Foglio

Job - *Commessa* : **1E35Z**

Rev. : **0**

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ON-OFF BUTTERFLY VALVES DOUBLE ACTING ACTUATOR

Valvole on-off a farfalla a doppio effetto

Desmet Ballestra Supply

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0	ISSUE FOR ORDER n. 101604 - SIRCA	RCL	27.09.10
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BALLESTRA S.p.A.
MILANO (ITALIA)

INSTRUMENT SPECIFICATION

CUSTOMER:

PLANT:

JOB:

SABIZ 25000 kg/h
1E35 Z

DWG : 1E35-80-1147

SH : 2

REV : 0

Code

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ON-OFF BUTTERFLY VALVES DOUBLE EFFECT

Caratteristiche generali - General characteristics

- **Sigla della valvola - Valve tag** : KV -64.9
- **Linea installazione valvola - Valve installation line** : 3"-WP-64127-203
- **Tipo valvola - Valve type** : Farfalla - Butterfly (B-74) - ST. 46373
- Valvola a tenuta perfetta completa di attuatore pneumatico a doppio effetto
(Deve essere prevista anche la possibilità di azionamento manuale).
*Valve with tight shut-off complete with double acting pneumatic actuator
(The possibility of a manual control has to be provided).*

Model: RV 1

Condizioni di esercizio - Operating conditions

- **Fluido di processo - Process fluid** : PROCESS WATER
- **Pressione di esercizio - Operating pressure** : 8 BAR
- **Temperatura di esercizio - Operating temperature** : 60 °C

Materiali - Materials

- **Corpo - Body** : CAST IRON
- **Stelo - Stem** : AISI-304
- **Farfalla - Butterfly** : CAST IRON CHROMIUM PLATED
- **Anello di tenuta - Seal ring** : EPDM REINFORCED

Dimensioni - Size and rating

- **Diametro nominale - Nominal diameter** : 3"
- **Attacchi - Connections** : ANSI-150# RF

Accessori - Accessoires

- **N° 2 Finecorsa montati sull'operatore pneumatico per segnalare le posizioni aperta e chiusa della valvola.**
N° 2 Limit switches mounted on pneumatic operator to signal the positions open-closed of valve.
- **Costruttore - Manufacturer** : See sheet 4
- **Modello - Model** : See sheet 4

Attuatore - Pneumatic operator

- **Pressione comando** : 4 Bar
- **Control pressure**
- **Connessioni pneumatiche** : 1/4" NPT-F (NAMUR)
- **Pneumatic connections**
- **Costruttore - Manufacturer** : AUTOMAX
- **Modello - Model** : PRECISARE

Note :

- 1) Valve complete of solenoid valve, mounted on pneumatic operator,
for technical date see sheet 3
- 2) Valve complete with junction box, mounted on pneumatic operator,
for technical date see sheet 4

PURCHASING DATA

Manufacturer : SIRCA
Model : Series 301
Supplier : SIRCA
Order n° : 101604



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DWG : 1E35-80-1147

SH. : 3

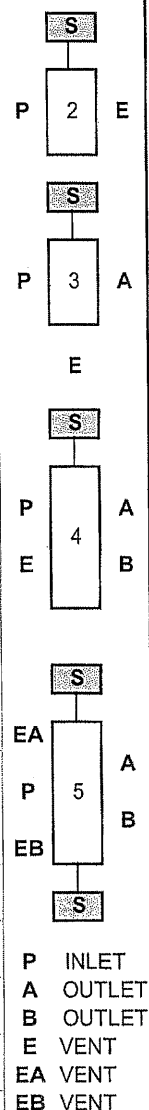
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SOLENOID VALVE

1	Tipo Type	DOUBLE SOLENOID		<input type="checkbox"/> 2 Vie 2 Way	<input type="checkbox"/> 3 Vie 3 Way	<input type="checkbox"/> 4 Vie 4 Way	<input checked="" type="checkbox"/> 5 Vie 5 Way
2	Alimentazione Elettrica Power supply	110 V - Hz 50		Classificazione area Area classification		WATER PROOF	
3	Valvola a 2 vie - in mancanza energia elettrica 2 way valve - on electric failure			<input type="checkbox"/>	Apri Open	<input type="checkbox"/>	Chiude Closed
4	Valvola a 3/4/5 vie Valve at 3/4/5 ways	Solenoid energizzato Solenoid energized	Via Way	P-A	Aperta Open	Chiusa Closed	B-EB Sfiato Vent
		Solenoid disenergizzato Solenoid disenergized	Via Way	P-B	Aperta Open	Chiusa Closed	A-EA Sfiato Vent
5	Sigla Tag	KY - 64.9					
6	Servizio Service	AIR TO KV -64.9					
7	Dati di processo Process data	Fluido Fluid	INSTRUMENT AIR				
8		Composti corrosivi Corrosive agents	NO				
9		Temperatura Operating temperature	norm. / max	30 °C			
10		Pressione Operating pressure	norm. / max	4 bar			
11		Peso specifico Specific gravity					
12	Corpo Body	Viscosità Viscosity	0,02 Cp				
13		Portata Flow rate					
14		Tenuta perfetta Tight shut-off	YES				
15		CV calcolato Calculated CV	CV scelto Selected CV				
16		Dimens. corpo Body size	Dimens. sede Port size	1/4"			
17	Corpo Body	Conessioni e rating Rating and connections		1/4" NPT-F (NAMUR)			
18		Materiale corpo Body material		MFR. STD.			
19		Materiale sede Seat material		MFR. STD.			
20		Materiale baderna Packing material		MFR. STD.			
21		Azionata da pilota Pilot operated		NO			
22	Access. Access.	Riarmo manuale Manual reset	Operatore manuale Manual operator	NO	YES		
23		Attacco elettrico Electrical connection		1/2" GAS-F			
24		Tipo di contenitore Housing type		IP 65			
25		Tropicalizzazione Tropicalization		YES			



Note :

PURCHASING DATA

Manufacturer : ASCO JOUCOMATIC
Model :
Supplier : SIRCA
Order n° : 101604



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PLANT:

JOB:

SABIZ

25000 Kp/h

1E35Z

DWG. : 1E35-80-1147

SH. : 4

REV. : 0

Code : :

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BOX MICRO - SWITCHES FOR SIGNALING VALVE POSITION (FOR VALVE KV)

THECNICAL CHARACTERISTICS

Box protection degrr : IP 66
Material : ALUMINIUM PRESS. DIE-CASTING
Colour : BLACK
Electrical execution : WATERPROOF
Electrical connection : N° 2 - 3/4" GAS-F

COMPLETE WITH THE FOLLOWING COMPONENTS

1. POSITION INDICATOR

Two colours : RED - CLOSED / GREEN - OPEN
Material : POLICARBONATE
Mechanically integral with the shaft of the valve

2. ACTUATING CAMS

With rotation angles from 0 to 90°

3. TERMINAL BOARD

Prewired with N° 9 terminals of 2,5 mm2
Colour : STANDARD

4. MICROSWITCHES

Will have to be installed in the box and connected to the terminal board N° 2
Manufacturer : PROXIMITY SWITCH
Model : PEPPERL + FUCHS
Contact Rating : NCN4 - 12GM - 40Z0
Electrical certification : 5A - 24 V d.c.

5. FIXING BRACKET OF THE BOX COMPLETE OF THE BOLTS FOR FIXING NAMUR MECHANICAL CONNECTION

Material : STAINLESS STEEL

Note :

PURCHASING DATA

Manufacturer : AUTOMAX
Model : WDB 0217201 / BTA
Supplier : SIRCA
Order n° : 101604