

Kosair 2004

P.O. No Z13/4500023742

Main Air Compressor

Certificates for pressure safety valve

TAG-No. Z 11824



BESA Ing. Santangelo S.p.A.

INSPECTION CERTIFICATE
EN 10204 3.1.B

VALVOLE DI SICUREZZA

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NO. 05-0223-2

dated 13.04.2005

REV.

dated

COMMESSA N. 05-223

dated 22.02.2005

SERIAL NUMBER 05-223-2

CUSTOMER: LUBISYSTEM S.R.L.

MILANO

ORDER NO. 47/05/0504A/B

dated 15.02.05

Safety valve according to European Directive 97/23/EC - category IV - fluids: group I and II at gas, vapour and liquid state

Notified bodies: I.S.P.E.S.L. n. 0100 (module B) - Pascal n. 1115 (module D)

Reference rules: ISPESL "Raccolta E" (1979) - EN ISO 4126 (2004)

Product description and specification

241-C With bonnet type *closed* Cap type *H2* Weight: kg. 15
Coeff. of discharge $K_d - L = 0,55$ Derated coeff. of discharge $K_{dr} - L (K_d \times 0,9) = 0,50$
Discharge reduct factor K_b (due to the back pressure) = 1
Discharge reduct factor K_v (due to the viscosity) = /
Inlet side DN 40 Connection type *Flanged EN 1092-1 PN 40* Design pressure P_s 37,9 barg
Outlet side DN 65 Connection type *Flanged EN 1092-1 PN 16* Design pressure P_s 15,1 barg
Design temperature T_s from 10°C up to 200°C
orifice diameter do mm 37 discharge area cm2 10,75 lift mm 11,1
set pressure 0,8 MPa (8 barg) overpressure 10% blow down -10%
discharge capacity 1436 L/min (max. allowed back pressure 1,6 barg)
medium OIL ISO VG 46 AT 65°C ph. state LIQUID

body mat. 1.0619 (ASTM A216 WCB) bonnet mat. GS 450/10
spring mat. alloy steel spring no. BL 10549
seal mat. 1.4401 spring compression range 6,21 - 10 barg
disk mat. 1.4401 spindle mat. 1.4401
balanced bellow material /
heating jacket mat. / design press. P_s / Design temperature T_s /
type of tightness Metallic

TESTS AND INSPECTIONS

Hydraulic test of the body acc. to "EN ISO 4126-1" with liquid at 60 barg (Ps amb. temp. x 1,5) : EXECUTED
Set pressure test acc. to ISPESL "Raccolta E" with air at 8 barg and atmospheric back pressure : EXECUTED
Seat-disk tightness test according to "API RP 527" with air at 7,2 barg : EXECUTED
Dimensional and visual inspection according to "BESA INSTRUCTION" : EXECUTED

TEST RESULT: SATISFACTORY

BESA Ing. Santangelo S.p.A.

The safety valve must be installed, used and kept in good condition in accordance with the instruction described on the Use and Maintenance Manual

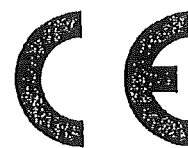
Warning: the maintenance of this safety valve must be carried out only by BESA S.p.A. authorized staff. BESA S.p.A. will be not responsible of non authorized maintenance operations.

BESA Ing. Santangelo S.p.A.

DICHIARAZIONE DI CONFORMITA' DECLARATION OF CONFORMITY

In accordo alla direttiva europea 97/23/CE

According to european directive 97/23/EC



Modello <i>Type</i>	Dimensioni nominali <i>Nominal sizes</i>	Esame CE del tipo <i>Type examination EC</i>		
		Organismo notificato <i>Notified body</i>	N° identificazione <i>Identification No.</i>	N° certificato <i>Certificate No.</i>
241 - 242	DN 20 ÷ DN 250	I.S.P.E.S.L.	0100	0073/02/CE
241F - 242F	DN 1" ÷ DN 2"	I.S.P.E.S.L.	0100	
241T - 242T	DN 20 ÷ DN 150	I.S.P.E.S.L.	0100	
241b - 242b	DN 20 ÷ DN 150	I.S.P.E.S.L.	0100	
241TF - 242TF	DN 1" ÷ DN 2"	I.S.P.E.S.L.	0100	
241bF - 242bF	DN 1" ÷ DN 2"	I.S.P.E.S.L.	0100	
261 - 262	DN 25 ÷ DN 100	I.S.P.E.S.L.	0100	0114/02/CE
251 - 252	DN 25 ÷ DN 100	I.S.P.E.S.L.	0100	0225/02/CE
131 - 132	DN 15 ÷ DN 150	I.S.P.E.S.L.	0100	0226/02/CE
139	DN 1/2" - DN 3/4"	I.S.P.E.S.L.	0100	0189/02/CE
249	DN 1/2" ÷ DN 1"	I.S.P.E.S.L.	0100	0171/02/CE
271	DN 25 - DN 50	I.S.P.E.S.L.	0100	1722/02/CE

Descrizione dell'attrezzatura a pressione

Description of the pressure equipment

Valvole di Sicurezza

Safety valves

Categoria IV

In accordo all'articolo 3 allegato II

According to article 3 annex II

Modulo <i>Module</i>	Procedure di valutazione della conformità <i>Conformity assessment procedures</i>	Numero certificato <i>Certificate number</i>
B	Esame CE del tipo <i>Type examination EC</i>	(Vedi tabella sopra) <i>(See above table)</i>
D	Garanzia qualità produzione <i>Production quality assurance</i>	003-97/23/CE-D

Procedure di valutazione della conformità in accordo all'articolo 10

Conformity assessment procedures according to article 10

PASCAL - N° identificazione 1115

Via Giardino, 4 - 20123 MILANO / ITALIA

Nome e indirizzo dell'organismo notificato che verifica le procedure di valutazione della conformità

Name and address of the notified body (monitoring a.m. conformity assessment procedures)

Con la presente, il costruttore dichiara che il progetto, la costruzione ed i collaudi delle suddette attrezzature a pressione, rispettano i requisiti della direttiva europea 97/23/CE

By this declaration, the signing manufacturer confirms that the design, the manufacturing and the inspection of this pressure equipment meet the requirements of the pressure equipment directive 97/23/CE.


15/06/04

data

date

Besa Ing. Santangelo S.p.A
Via Donatello, 31 - 20131 Milano

nominativo del costruttore
manufacturer name


Il legale rappresentante
Owner