

SEOJEON Valmac

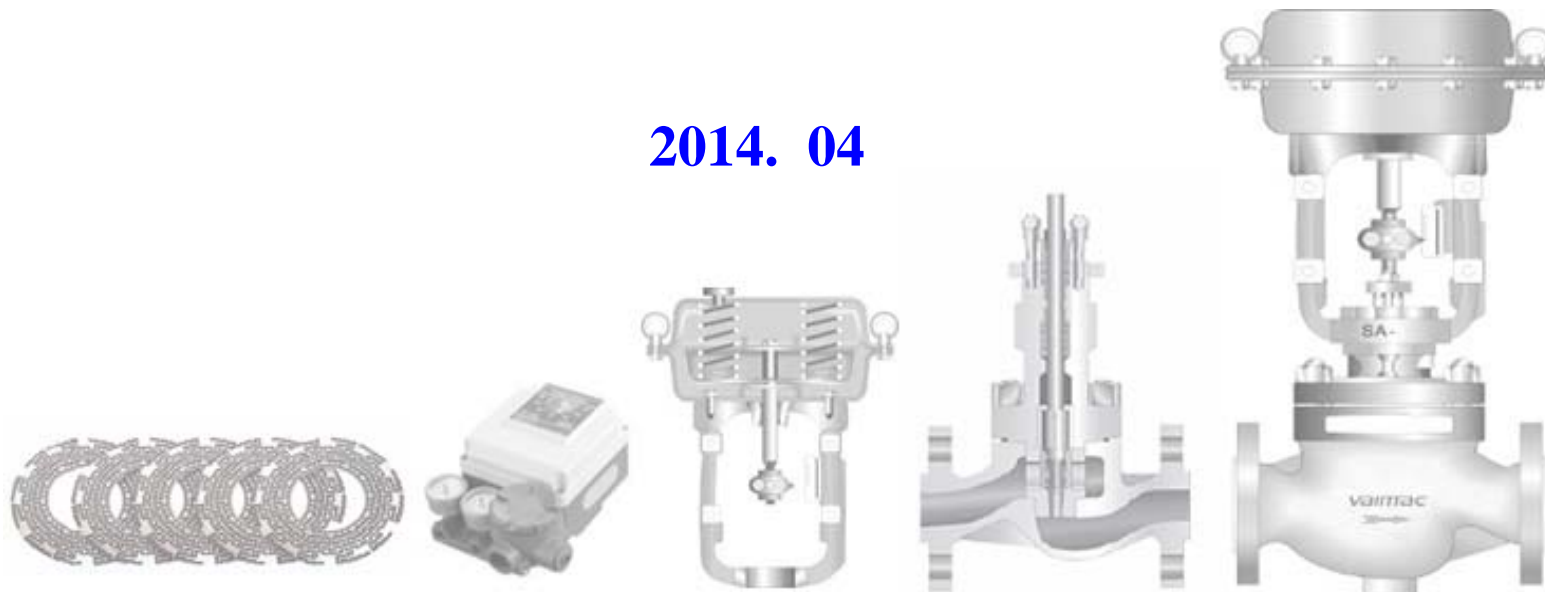
Control & On-Off Valve Manufacturer, Since 1981

Control Valves
Engineering Service
Research & Development
www.valmacs.com



Pre-Qualification Statement

2014. 04



We will continuously challenge with the innovative thinking and technology.

SEOJEON VALMAC CO., LTD

Head Off & Factory : #46 Daegotbuk-ro 158 Gil, Daegot-myeon, Gimpo-si, Korea

Tel + 82 31 981 3121. Fax +82 31 981 0365

China Branch : Baiqizen, Feng Cheng City, Liaoning Province, P.R China

Tel + 86 415 818 2571. Fax: + 86 415 818 257

Homepage : www.valmac.co.kr



Registered ISO 9001,14001



energy



K347/M10


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We will continuously challenge with the innovative thinking and technology.

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1. Introduction

SEOJEON VALMAC Co., Ltd () is established in **1981** and engaged in supplying its quality products of **Control & Special Valves** for the Oil, Gas, Refinery, Petro-chemical, Steel, Pulp & Paper, Nuclear & Thermal Power plants ,. Etc

 is leading company for its business products in **Korea** with its qualified equipment, manpower and technical capability to design, manufacture and test.

These products are manufactured in our modern facilities where the quality is rigidly controlled in conformance to **all applicable codes, standards and design** criteria demanded by our licensors and clients.

We,  will keep trying in order to maintain the best **quality of products, satisfaction of costs** and the worldwide leader in the **flow control valve and system**

2. Company History

- 1981. 03 Established **YOUNG Industrial Co.**(Repair & Retrofit)
- 1988. 07 Changed name to SEOJEON Total Control
- 1993. 05 Started the management to repair & Retrofit with KORI (Nuclear Power Plant)
- 1995. 11 Started the production to Metal seat Ball valve
- 1998. 08 Contracted to Repair center with **ABB, Gadelius (Japan), K.K.**
- 1999. 04 Development to Segment & Eccentric Ball valve
- 1999. 08 Registered vender to **KEPCO (Korea Power Engineering Company)**
- 1999. 11 Registered patent of the Metal seated Ball & Control Valve
- 1999. 12 Registered vender to POSCO
- 2000. 03 Contracted to **OEM** for Actuator with **Copes-Vulcan(U.S.A)**
- 2000. 12 Registered the vender to POSCO E&C
- 2001. 06 Changed the company name to **SEOJEON VALMAC Co., Ltd**
- 2001. 09 **Contracted supply to POSCO FINEX Pilot Plant Valve for high-temperature Stand Pipe Valve (DN125-PN160/850 °C)**
- 2002. 08 **Contracted supply to POSCO FINEX DEMO. Plant for Metallized Ball valve & cyclone valve(850 °C)**
- 2003. 07 Obtained the "A small and medium enterprise of export" from small and medium enterprise
- 2003. 12 Contracted supply to Korean NAVY
- 2004. 12 Award to Citation for trade from Incheon ci
- 2004 . 08 Obtained **Institute of Research and Development** from Korea Industrial Technology Association
- 2004 . 12 Established to the **Sales Market Branch Office in Dandong, in China**
- 2005 . 12 Contracted supply to POSCO FINEX 1.5MT Project with Control & Shut-off Valves
- 2006 . 04 Registered Patent for Riser Ball Valve of the high temperature with power flow system
- 2007. 05 Registered to **KEPCO for Control valve Manufacturer**

2. Company History

- 2008. 10 Obtained the **CE Mark for the Control Valves** from TUV NORD
- 2007. 07 Moved factory to Kimpo from Incheon
- 2009. 10 Obtained the **ISO 14001** from ICR (USA Management Association Registration)
- 2011. 09 Listed as **Control Valve supplier** of **thermal & hydroelectric power plant** at Korea Midland ,Korea Southern &East-West Power Co.,Ltd (R Class)
- 2011. 09 A ward to **Small and Medium Business Federation** from Kyungi-do
- 2011. 11 Listed a **manufacturer for Repair** of thermal &hydroelectric power plant at Korea Midland, East-West,Western & Southern Power Co., Ltd
- 2012. 04 Obtained the **ISO 9001** from TUV (TUV-NORD)
- 2012. 04 Registered to **BASF (The German Chemical Co)** for **Control valve Manufacture**
- 2012. 06 Registered to **NIGC (National Iranian Gas Co)** for **Control valve Manufacture**
- 2012 07 Registered to **T & C Gulf (Trouvay & Cauvin)** for **Control & Shut-off valve Manufacture**
- 2012. 10 Registered to **MAPNA Group** for **Control valve Manufacture**
- 2012. 11 Obtained the **API 602 & 608 Monogram** from API (American Petroleum Institute)
- 2012.12 Obtained the **OHSAS 18001** from ICR (USA Management Association Registration)
- 2013. 10 Registered to **PETRONAS (Malaysia)** for **Control valve Manufacture**
- 2013. 10 Obtained the **0425 ATEX 2583** (Ex II2 Gc IIC T6) from ICIM S.p.A in Italy
- 2013. 11 Obtained the **API 6D-1397 Monogram** from API (American Petroleum Institute)
- 2013. 12 Award to Citation for trade from Gyeonggi-do
- 2014. 03 Obtained the **ISO 9001** from ICR (USA Management Association Registration)

3. General Information

3-1. Company Features

Company Name : **SEOJEON VALMAC Co., Ltd**
Established : In 1981 by Mr. Jong Sil, Lee / President
Homepage : www.valmac.co.kr
VALMAC : **VAL**ves of the **ME**chatronics **A**uto **f**low **C**ontrol

3-2. Head Office & Factory

Address : # 46 158 Gil Daegotbuk-ro, Daegot-myeon, Gimpo-ci Korea
Telephone : + 82 31 981 3121. Facsimile : +82 31 981 0365
Contact Point : Mr. Kwon Joo , Lee / Managing Director, E- mail : valmac@valmac.co.kr

3-3. China Sales Market Branch Office

Address : Baiqizen, Feng Cheng City, Liaoning Province, P.R China
Telephone : + 86 415 818 2571. Facsimile : + 86 415 818 2570
Contact Point : Mr. Dong Myung, Jung / executive Director, E- mail : dm5233@naver. com

3-4. Capital : USD 300,000 \$
Annual Sales Amount : USD 15,000,000 \$
Full Production Capacity : USD 30,000,000\$

3-5. Company Management Policy

Continuously challenge with the innovative thinking and technology

3. General Information

3-6. Manpower

Description	Sales	Design	Production	Administration	QA/QC	Total
No of People	6	5	19	5	5	40

3-7. Experience of Technicians

Experience (Years)

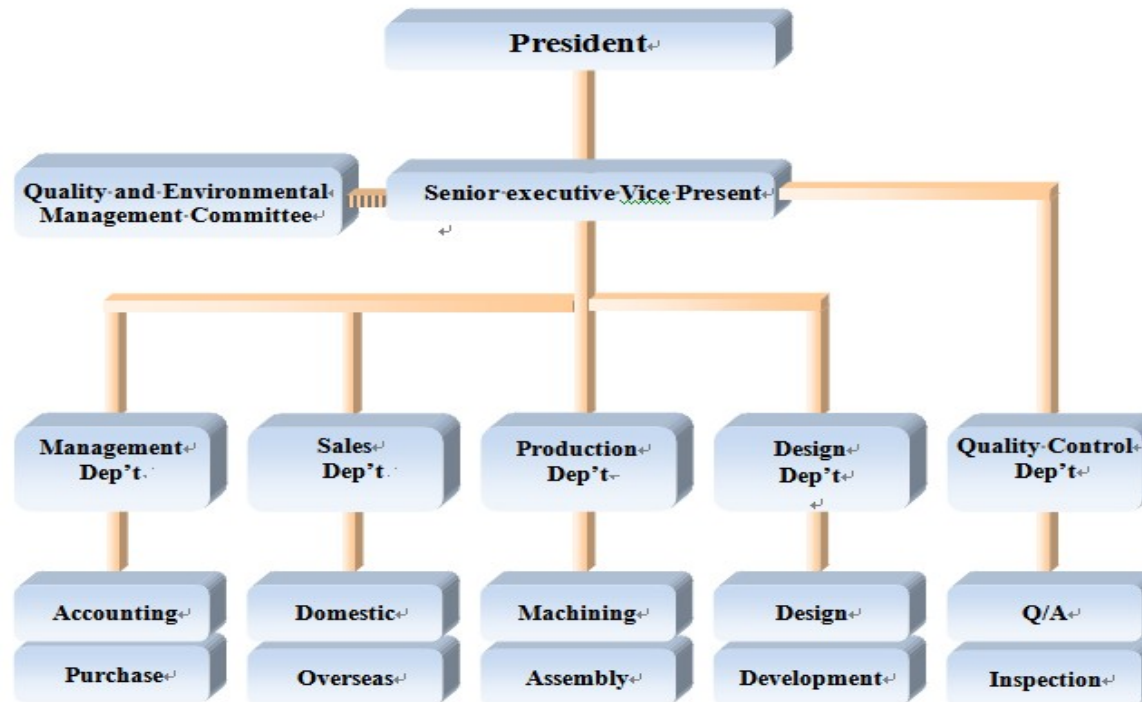
Discipline	Y<5	5<Y<10	10<Y	Total
Metallurgical	1	2	6	9
Mechanical	1	4	9	14
Electrical		1	1	2
QA/QC	1	2	2	5
Total	3	9	18	30

3-8. Building & Acreage (m²)

Building	Ground	Building	Total
Factory (Korea)	9,000 m ²	3,3 00 m ²	12,300 m ²
Branch Office(China)	3,000 m ²	3,500 m ²	6,500 m ²

3. General Information

3-9. Organization Structure



3-10. Service Capability

SEOJEON Vaimac has a long specific experience on **designing, erecting, commissioning and training of personnel** on the field of reducing and metering stations and of components for the **Mechatronics Auto Control & System**.

SEOJEON Vaimac is available to provide **technical advise & service**, as well as several fields assistance all around world, such as **domestic and overseas**.

4. Production Control

4-1. Production Activities

SEOJEON VAIMAC is specialized in the design, manufacturing and service of **Control & Special Specials Valves** that are used for flow pipeline on **Water, Gas, Oil, Steel & Iron and Power plants, . etc**

4-2. Main scope of application

- Oil & Gas Plant, Chemical and Refinery, Petrochemical Plant
- Nuclear and Thermal Power plant, Offshore and Shipbuilding
- Steel and Iron Industry plant, Cooling and heating water (conditioning) System
- Waste and Water treatment System, Pulp & Paper Industry Plant,

4-3. Main products range

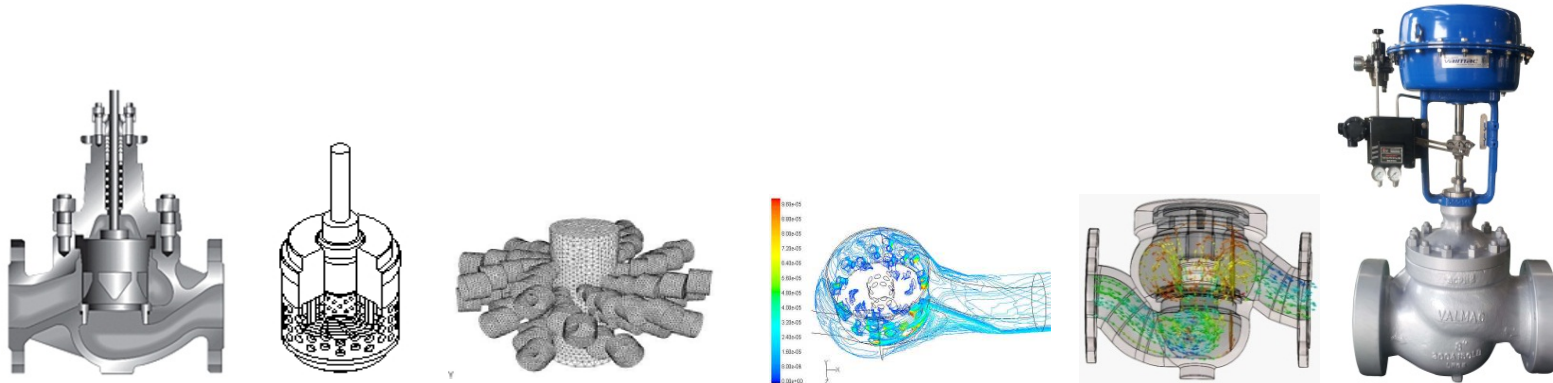
SEOJEON VAIMAC is incorporating all aspects of **Control & Specials Valves** engineering and manufacturing

No	Type	Item Description	Size	Rating
1	Control & Special Valve	1. Globe Valve (2 & 3 Way, Piston, Pressure Reducing & Safety Type) 2. Ball Valve (Side/Top Entry/ Metal / Eccentric/"V" Cut Type) 3. Butterfly Valve (Rubber/Metal/ Hi-Performance/Triple offset) 4. Micro Flow Control Valve (Cv 0.00008 ~ 0.1) 5. Desuper heater Station Valve 6. High Temperature & Cryogenic Valves (1,100℃ / -194℃)	1/2" ~ 78" 15~2,000 mm	150 ~ 4,500 Lbs PN10 ~ 250
2	Actuator	1. Pneumatic Diaphragm & Cylinder (Multi & Single Type) 2. Hydraulic Cylinder, 3. Electric Actuator (Rotary & Liner Type)	40~550 mm	5 ~ 9 kgf/cm2 Hydraulic 250 Bar
3	Controller	1. I(E)& P(P/P) Positioner 2. I(E) Transducer 3. Filter & Regulator	4~ 20mA	5 ~ 9 kgf/cm2

5. Technical Control

5-1. Design Data

SEOJEON Vaimac design engineers combine proven engineering expertise with state-of-the-art technology, including computer aided design (**Auto CAD & Solid work soft program**) and finite element analysis (**structure, thermal, fluid and mobile**), to refine existing designs and help develop new products.



5-2. General Design

The **pressure / temperature rating** for the valve is in accordance with the appropriate class is **ANSI B 16.5 or B 16.34** for temperatures and dimensional for the face to face is in accordance with **ANSI B 16.10**

The **minimum wall thickness** of valve bodies and other pressure containing parts, such as stem and trim, extension plates is in accordance with **ANSI B 16.34 Table 3**.

All products are designed to manufactured under the serve conditions in accordance with the following codes:

ISO-EN-ANSI-ASTM-ASME-API-BSI-DIN-MSS-SSPC-FCI-ISA-NACE -AWS-AWWA-JIS-KS

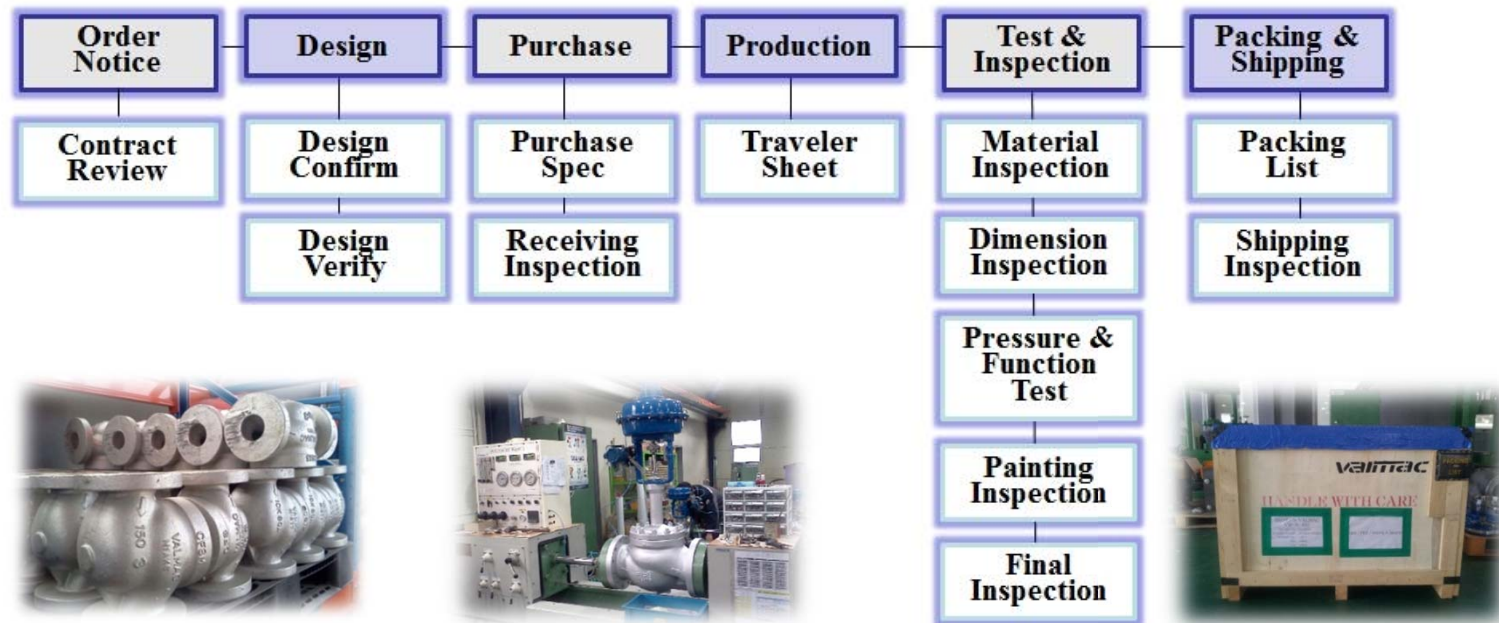
6. Quality Control

6-1. Quality Control

SEOJEON VAIMAC quality systems are integral to all designs, procurement, manufacturing administration, and clients service functions are conducted within a comprehensive **ISO 9001 and API Q1** quality assurance system.

As a result, **SEOJEON VAIMAC** manufacturing facilities and procedure manual meet or surpass one or more of the quality standards:

So that, **SEOJEON VAIMAC** Goal is for 100 % conformance to agreed **specification and quality requirements**, such as the requirements of material certificate, testing, drawing and other essential data are clearly identified and provided with on time basis and International quality standard included **ISO 9001, API Q1, CE** as follows ;



8. Certification & Registration

8-1. License & Certification Status

Date	Title	Contents	Licensors	Approval Type
2012. 03	ISO 14001	The Environmental Management System for the Control Valves	ICR	Environmental Assurance System
2006. 11	CE Mark	The Certificate for the Design and Construction of Control Valves	T U V NORD	Safety System
2008. 06	Type Approval	Fire Test Type approval for the Ball & Butterfly Valve	KETC	Safety System
2011. 09	R Class	Listed as a Control Valves Supplier for Thermal & hydroelectric Power plant	Korea Midland & East-West Power Co., Ltd	Quality Assurance System
2011. 06	Venture Business	Technology Evaluation Assured Company	Small and medium enterprise	New Technology
2010. 03	R & D Center	Permission of R&D center	Korea Industrial Technology Association	Research & Development
2010. 06	Inno-Biz	New Technology Company	Small and medium enterprise	New Technology
2012. 11	API Q1 / 602 / 608	The Quality Management System for Control Valves	API	Quality Assurance System
2012. 12	OHSAS 18001	The Safety Management System for the Control Valves	ICR	Safety Assurance System
2013. 10	CE Mark (0425ATEX2584)	The Certificate for the Design and Construction of Control Valves	ICIM	Safety System
2013. 11	API Spec 6D	The Quality Management System for Control Valves	API	Quality Assurance System
2014. 03	ISO 9001	The Environmental Management System for the Control Valves	ICR	Quality Assurance System

8. Certification & Registration

8 - 1 - 1. Certification (ISO 9001, ISO 14001 & OHSAS 18001)



8. Certification & Registration

8 – 1 - 2. Certification (API 602 - Globe Valve, 608 – Metal Seated Ball Valve , 6D – Ball Valve)



8. Certification & Registration

8 – 1 - 3. Certification (CE Mark – Control Globe Valve, Ball Valve & Piston Valve)

Certificate of conformity with the following European Directives

Registered No.: **K3586/M10**

Machinery Directive 2006/42/EC

Reference of applicant	Date of application	File reference	Not. report
-	10.11.2010	KP-10-344	K44378

This is to certify that the following products comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account national deviations:

Product: Globe Control Valves

Type designation: GCV-x (x = 15, 20, 25, 40, 50, 65, 80, 100, 350, 400, 500, 550, 600)

Applicant: SEOJEON VALMAC CO., LTD.
595 Chowonji-ri, Daegot-myeon, Gimpo-si, Gyeonggi-do 415-837, Korea

Standard(s): EN ISO 12100-2:2003 + A1:2009

This Certificate of conformity is based on the evaluation of samples of the production and it does not permit the use of a mark of conformity of the TÜV NORD CERT. The holder of this certificate may use this Certificate of Conformity.

[Signature]
Certification Body for Product Safety

CE The CE marking can be affixed on the product if all relevant and effective Directives are taken into account.

Certificate of conformity with the following European Directives

Registered No.: **K3137/M10**

Machinery Directive 2006/42/EC

Reference of applicant	Date of application	File reference	Not. report
-	26.02.2010	KP-10-037	K44378

This is to certify that the following products comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account national deviations:

Product: Eccentric Ball Valve

Type designation: VM-15, VM-20, VM-25, VM-32, VM-40, VM-50

Applicant: SEOJEON VALMAC CO., LTD.
595 Chowonji-ri, Daegot-myeon, Gimpo-si, Gyeonggi-do 415-837, Korea

Standard(s): EN ISO 12100-2:2003 + A1
EN 963:1996 + A1:2008

This Certificate of conformity is based on the evaluation of samples of the production and it does not permit the use of a mark of conformity of the TÜV NORD CERT. The holder of this certificate may use this Certificate of Conformity.

[Signature]
Certification Body for Product Safety

CE The CE marking can be affixed on the product if all relevant and effective Directives are taken into account.

ATTESTATO DI ARCHIVIAZIONE DEL FASCICOLO TECNICO DELLA COSTRUZIONE
ACKNOWLEDGEMENT OF RECEIPT OF TECHNICAL CONSTRUCTION FILE

DIR. 94/9/CE – D.P.R.24.3.1998 n.126

CE
0425

Questo certificato è rilasciato in conformità a quanto prescritto dall'Art.8 par.1 lettera b) capo ii) della Direttiva 94/9/CE
This certificate has been issued in conformity to: Art.8.par.1 letter b) of the Directive 94/9/CE

ATTESTATO N°	0425 ATEX 2583	CERTIFICATE N°	
Organismo notificato	ICIM S.p.A. - Piazza Don Mapelli, 75 – 20099 Sesto San Giovanni (MI)		Notified Body
Dati Fabbricante	SEOJEON VALMAC CO.,LTD 46 158gil, Daegotbuk-ro, Daegot-myeon, Gimpo-Si, Gyeonggi-Do KOREA		Manufacturer
Dati prodotto	PNEUMATIC DIAPHRAGM ACTUATOR		Product
Tipo / Modello	VM 500-23, VM 500-42, VM 500-61, VM 500-74, VM 500-145, VM 500-202		Type /Model Designation
Caratteristiche del modello	Equipaggiamento non elettrico / Non electrical equipment		Characteristics of the model
Classificazione	Ex II 2 G c IIC T6		Classification
ICIM Dichiaro di aver ricevuto per archiviazione il fascicolo tecnico n. SV-TQ-EX-VM 500 in data 28-09-2013 ICIM declares the receipt of the Technical File SV-TQ-EX-VM 500 on 28-09-2013			
Eventuali estensioni	Nessuna / None		Extensions
Eventuali condizioni di subordinazione della Certificazione CE	Nessuna / None		Condition relating to CE Certification
Note	<p><small>ICIM non esegue alcuna verifica relativamente alla completezza e correttezza dei documenti costituenti il fascicolo tecnico ricevuto / ICIM does not perform any verification of the documents received</small></p> <p><small>Rimane responsabilità del fabbricante dimostrare conformità ad altre Direttive applicabili al prodotto oggetto di questo certificato / It is the responsibility of the manufacturer to prove conformity with other Directives applicable to the product.</small></p>		Notes
<small>This certificate issued is valid only for the models above specified. Any technical change must be declared to ICIM S.p.A. that will give information how to proceed.</small>			
Data di emissione <small>First issue</small>	Emissione corrente <small>Current Issue</small>	Data di scadenza <small>Expiring date</small>	ICIM S.p.A.
22/10/2013	22/10/2013	21/10/2023	<i>[Signature]</i>

8. Certification & Registration

8 – 1 - 4. Certification (Fire Safety Test, Power Plant Approval, ATEX)

KETC Korea Environmental Technical R & D Center
Worldwide Quality Assurance & Procurement Consulting, Inspection & Expediting Specialist
ISO 9001 Certified Organization

Type Approval Certificate of Fire Test

Certificate No : KETC-FT-1

This is to inform that the following items has been submitted by SeoJeon Valmac compliance with API 607 4th Edition and BS 6575 Part 2 (1986 years) ISO 104 years) and in end stage of compliance to inspection.

Manufacturer : SeoJeon Valmac Co. Ltd.
Place of Factory : #46, 158 Gil, Daegotbuk-ro, Daegot-myeon, Gimpo-si
Item Description : API 608 Metal Seated Steel Ball Valve
End Connection : Raise Face Flange Connections
Body Materials : ASTM A216 WCB, A351 CF8
Stem Materials : SS316
Size of Tested : 4", 8"
Rating of Tested : 150 #, 600 #
Value of Size Qualified : (4") - 3", 4", 5", 6"
(8") - 6" and larger
Value of Rating Qualified : (150 #) - 150 #, 300 #
(600 #) - 600 #, 800 #, 900 #

Issue Date : June 15, 2012
Expire Date : June 14, 2015

Jae Heert, Lee
KETC - Manager

201 Dong 705 Ho, Bucheon Techno Park, # 192 Yaldae-dong, Woonmi-ku, Bucheon-city, Kyungki-do

No 485I-49NG-BXSZ-L7R2 (1 / 2)

CERTIFICATE OF APPROVAL

1. Certificate NO : J569
2. Company Name : SEOJEON VALMAC
3. Factory Location : #46, 158 Gil, Daegotbuk-ro, Daegot-gimpo-si, Korea

Korea Midland Power Company certifies that the above company can repair and maintain equipment of KOMIPO's power plants

Uaeq
President
Korea Midland Power Co., Ltd

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No 485I-49NG-BXSZ-L7R2 (2 / 2)

4. Certificate Of Items

Certificate Of Items / Period Of Validity

Control Valve (ASME class rating #2500 or less) conditional approval / (11/09/28 ~ 14/09/27)

























Korea Midland Power Company certifies that the above company can repair and maintain equipment of KOMIPO's power plants

Uaeq
President
Korea Midland Power Co., Ltd

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8. Certification & Registration

8-2. Client Approval Status

Symbol Mark	Name of Client	Symbol Mark	Name of Client
	Korea Power Plant Co		Honam Petro-chemical Co
	Korea Gas Corp		Hyundai Steel Co
	Hyundai Eng & Cont'		Kolon Construction Co
	LG Chemical Co		Korea Aerospace R & I
	Samsung Digital Co		SK Construction Co
	DOOSAN Heavy Ind Co		KCC Co
	S - Oil Co		China Petro Chemical Co
	POSCO Steel Co		Exxon Mobil
	GS Construction Co		Spirax Sarco
	Hankook Tire Co		B A S F
	SC Engineering Co		N I G C
	Hyundai Oil Bank Co		MAPNA Group

9. Major Reference List

9-1. Domestic Area (1)

Client / Customer	Item Description	Size	Year	Major Plant
POSCO	Control & Shut-off Valves	2" ~ 24"	1991 ~	Finex, Gas Power & Steel
POSCO E&C	Control Valves ,, etc.	1" ~ 18"	1995 ~	Iron Steel & Power
KEPCO	Control Valves ,, etc.	2" ~ 16"	2001 ~	Thermal Power
Samsung Digital	Control & Shut-Off Valves ,, etc.	1" ~ 12"	2005 ~	Steam & Water Treatment
Kumho Petro-Chemical	Control valves ,, etc.	2" ~ 24"	2008 ~	Refinery
K C C	Control & Shut-Off Valves ,, etc.	1" ~ 36"	2008 ~	Chemical
S - Oil	Control Valves	2" ~ 28"	2008 ~	Petro-chemical
DOOSAN Heavy Ind	Control valves ,, etc.	2" ~ 30"	2008 ~	Steam & Water Treatment
Cheil Chemical	Control & Shut-off Valve,, etc.	2" ~ 18"	2008 ~	Steam & Chemical
KARI	Control Valves	1" ~ 8"	2006 ~	Aerospace Fluid Line
CJ	Control & Shut-Off Valves ,, etc.	1" ~ 24"	2007 ~	Steam
INI Steel	Desuper Heater & Control Valves	2" ~ 28"	2007 ~	Oxygen & Steel
Ulsan Chemical	Control & Shut-off Valves ,, etc.	2" ~ 36"	2007 ~	Chemical
Kolon	Control & Shut-Off Valves ,, etc.	2" ~ 16"	2008 ~	Chemical
Hansol Pulp	Control & Shut-Off Valves ,, etc.	21" ~ 20"	2008 ~	Paper & Pulp

9. Major Reference List

9-1. Domestic Area (2)

Client / Customer	Item Description	Size	Year	Major Plant
Hyundai Oil Bank	Control & Shut-off Valves, etc	2" ~ 24"	2004 ~	Refinery
Hyundai Eng'	Desuper Heater & Control Valves	1" ~ 28"	2004 ~	Oil & Refinery
LG Chemical	Control & Shut-off Valves, etc.	2" ~ 20"	2006 ~	Chemical Plant
KOGAS	Control & Shut-off Valves, etc.	2" ~ 14"	2006 ~	LNG Gas
LG Caltex	Control Valves, etc.	2" ~ 18"	2006 ~	Refinery
Hyosung	Control & Shut-off Valves, etc.	1" ~ 48"	2006 ~	Chemical & Steam
Hanwha	Control Valves	1" ~ 18"	2007 ~	Petro-chemical Plant
Hankook Tire	Control Valves, etc.	2" ~ 16"	2007 ~	Steam & Water Treatment
Namhae Chemical	Control & Shut-off Valve, etc.	2" ~ 48"	2008 ~	Steam & Refinery
BASF	Control Valves	1" ~ 24"	2009 ~	Chemical
ISU Chemical	Control & Shut-off Valves, etc.	2" ~ 18"	2009 ~	Chemical
Hyundai Rotem	Desuper Heater & Control Valves	2" ~ 20"	2009 ~	Hydrogen & Iron
Il Jin Energy	Control & Shut-off Valves, etc.	1" ~ 18"	2009 ~	Nuclear Power
Spirax Sarco	Control Valves	1" - 18"	2009 ~	Steam & Shipbuilding

9. Major Reference List

9-2. Overseas Area

Client / Customer	Item Description	Location	Year	Major Plant
Megantara Petro-chemical	Control Valves	Singapore	2004 ~	Oil & Steam
PT. Danan Wingus	Control & Shut-off Valves ,. etc.	Hong Kong	2004 ~	Steam
NSIF	Control Valves ,. etc.	Saudi Arabia	2004 ~	Oxygen
Jiaxing Samsung	Control Valves ,. etc.	China	2004 ~	Water Treatment
Deaarrollo SACV	Control Valves	Mexico	2004 ~	Thermal Power
China Petro-chemical	Control & Shut-off Valve, . etc.	China	2005 ~	Oil & Gas
TOSHIBA	Control Valves	Japan	2005 ~	Shipbuilding
Marafiq	Control Valves	Saudi Arabia	2009 ~	Power Plant
Aldur	Ball Shut-off Valves	Bahrain	2009 ~	Power Plant
Alkhalij	Control & Shut-off Valves ,.etc.	Lybyan	2010 ~	Power Plant
Alqatrana	Control & Shut-off Valve ,.etc.	Jordan	2010 ~	Power Plant
Ptmitra Wira Pratama	Control valves , etc	Indonesia	2010 ~	Power Plant
Brocaina	Control Valves	Chille	2012 ~	Power Plant
Qurna phase 2	Shut-off Valves	Iraq	2012 ~	Refinery
Bardsir Steel Complex	Control & Shut-off Valves, . etc.	Iran	2012 ~	Steel Plant
T & C Gulf	Control & Shut-off Valves, . etc.	UAE	2012 ~	Oil & Refinery
Gol-E-Gohar Iron Ore Co.	Control & Shut-off Valves, . etc	Iran	2013~	Steel Plant

10. Production Conditions

10-1. Control Valve



Item	Type Description	Size	Rating	Material	Actuator
Globe Control	<ol style="list-style-type: none"> 1. 2 & 3 Way Type 2. Angle Type 3. Micro Flow Type 4. High Temperature & Cryogenic (1,100 °C / -194 °C) 	<p>1/2" ~ 24" 15 ~ 600 mm</p>	<p>150 ~ 4,500 Lbs PN10 ~ 250</p>	<p>Carbon & Stainless Steel, Alloy</p>	<p>Multi Spring Diaphragm & Electric</p>

10. Production Conditions

10-2. Shut-off Valves (1)



Item	Type Description	Size	Rating	Material	Actuator
Ball Valve	<ol style="list-style-type: none"> Ball Valve (Side/Top Entry/ Metal Eccentric/Segment "V" Cut Type High Temperature & Cryogenic (1,100 °C/-194 °C) 	<p>1/2" ~ 48" 15~ 1,200mm</p>	<p>150 ~ 2,500 Lbs PN10 ~ 250</p>	<p>Carbon & Stainless Steel, Alloy</p>	<p>Multi Spring Diaphragm, Cylinder & Electric</p>

10. Production Conditions

10-3. Shut-off Valves (2)



Item	Type Description	Size	Rating	Material	Actuator
Butterfly Valve	<ol style="list-style-type: none"> Rubber & Metal Hi-Performance & Triple offset High Temperature & Cryogenic (1,100 °C / -194 °C) 	1/2" ~ 78" 15 ~ 1,200 mm	150 ~ 1,500 Lbs PN10 ~ 250	Carbon & Stainless Steel, Alloy	Multi Spring Diaphragm, Cylinder & Electric

10. Production Conditions

10-3. Special Valves



Item	Type Description	Size	Rating	Material	Actuator
Desuper Heater Valve	<ol style="list-style-type: none"> Multiple Nozzle Spray Variable Orifice PRDS 	<p>3" ~ 24"</p> <p>80~ 600 mm</p>	<p>150 ~ 1,500 Lbs</p> <p>PN10 ~ 250</p>	Carbon & Stainless Steel, Alloy	Multi Spring Diaphragm,

10. Production Conditions

10-4. Actuators



Item	Type Description	Power	Capacity	Material	Valves
Electric Type	<ol style="list-style-type: none"> 1. Quarter Turn 2. Multi Turn 	380/440V 110/220V 50 / 60 Hz	IP 67 EExd 1 BT4	Aluminum & Steel, Alloy	Control & Shut- off Valves

10. Production Conditions

10-4. Actuators



Item	Type Description	Power	Capacity	Material	Valves
Pneumatic Diaphragm Type	<ol style="list-style-type: none"> 1. Multi Spring Diaphragm 2. Top Mounted Hand Wheel 3. Side Mounted Hand Wheel 	3 ~ 3.5 Bar	Direct Reverse	Steel, Alloy	Control & Shut-off Valves

10. Production Conditions

10-4. Actuators



Item	Type Description	Power	Capacity	Material	Valves
Pneumatic Cylinder Type	Rotary & Liner	5 Bar	Double Acting Spring Return	Aluminum & Steel, Alloy	Control & Shut-off Valves

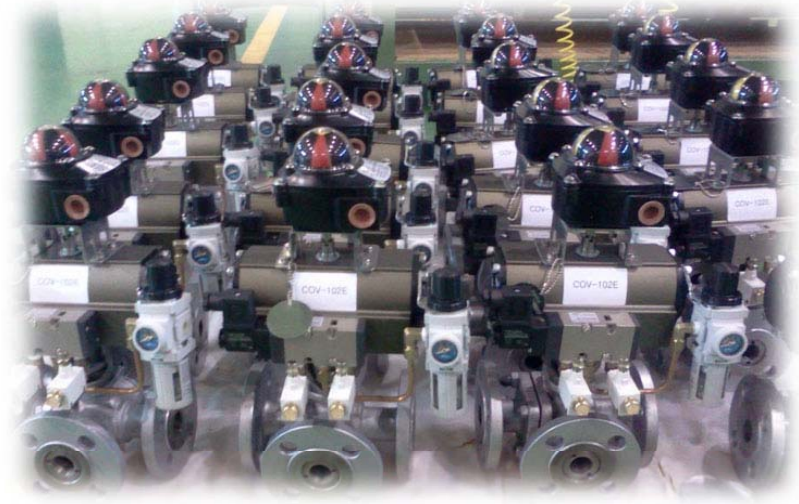
11. Production Photo Sheet

11-2. Inspection & Test



11. Production Photo Sheet

11-2. Production (2)



11. Production Photo Sheet

11-3. Packing



12. Materials Control

12-1. Part Materials



12. Materials Control

12-2. Stock



Thanks

We, **SEOJEON Vaimac** will continuously challenge with the innovative thinking & technology and will do best try & service to you.

Thanks very much for your kindly attention.





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