



บริษัท ซินเมนเทค จำกัด
SYNMENTECH CO.,LTD.



4. Valves

Carbon Steel / Alloy Steel / Stainless Steel

Type of Valves : Gate, Globe, Check, Ball, Butterfly, Control Valve, Strainer, Plug Valves

4.1 Forging : Gate, Globe, Check Valves

Size Range : 1/2" to 2" Number of Trim : 1, 5, 8, 9, 10, 12

Specification : ASTM/ASME A105/105N, A350 Gr.LF2, A182 Gr.F304/304L, 316/316L

Class : ANSI 150 to 2500lbs (Flange Ends), API 800 to 1500lbs (BW, SW and Threaded Ends)

Origin : Europe, USA., Japan, S.Korea

4.2 Casting : Gate, Globe, Check, Strainer

Size Range : 2" to 48" Number of Trim : 1, 5, 8, 9, 10, 12

Specification : ASTM A216 Gr.WCB, A217 Gr.WC6-WC9, A351 Gr.CF8, CF8M, CF3, CF3M,
A352 Gr.LCB, LCC ASTM A494-Hastelloy/Monel, A890, B62/148

Class : 150 to 1500lbs

Origin : Europe, USA., Japan, S.Korea

4.3 Casting : Ball Valves

Type : Trunnion & Floating

Size Range : 1/4" to 48"

Specification : ASTM A216 Gr.WCB, A217 Gr.WC6-WC9, A351 Gr.CF8, CF8M, CF3, CF3M,
A352 Gr.LCB, LCC-Hastelloy/Monel, A890, B62/148

Class : 150 to 1500lbs

Origin : Europe, USA., Japan, S.Korea

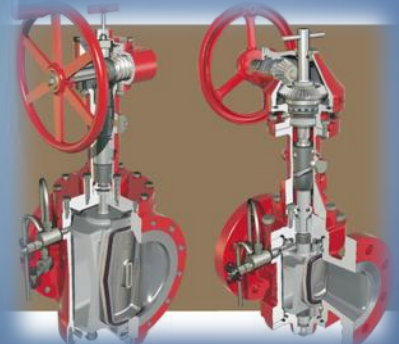
4.4 Casting : Twin Slip DoubleBlock and Bleed Plug Valves

Size Range : 2" to 24"

Specification : ASTM A216 Gr.WCB, A351 Gr.CF8, CF8M etc.

Class : 150 to 1500lbs

Origin : USA., S.Korea



Products Direct Manufacturing Items



PLUG VALVE

(Lined & Sleeved valve)

Lined : 150lb

1/2"~12"

Sleeved : 150lb~1500lb

1/2 " ~24"



BALL VALVE

(Casting & Forged valve)

Forged : 150lb~2500lb

1/2 " ~42"

Casting : 150lb~1500lb

1/2" ~42"



CASTED VALVE

(Gate, Globe, Check valve)

FLGD end : 150lb~2500lb 2" ~ 36 " Full bore



FORGED VALVE

(Gate, Globe, Check valve)

FLGD end : 150lb~600lb

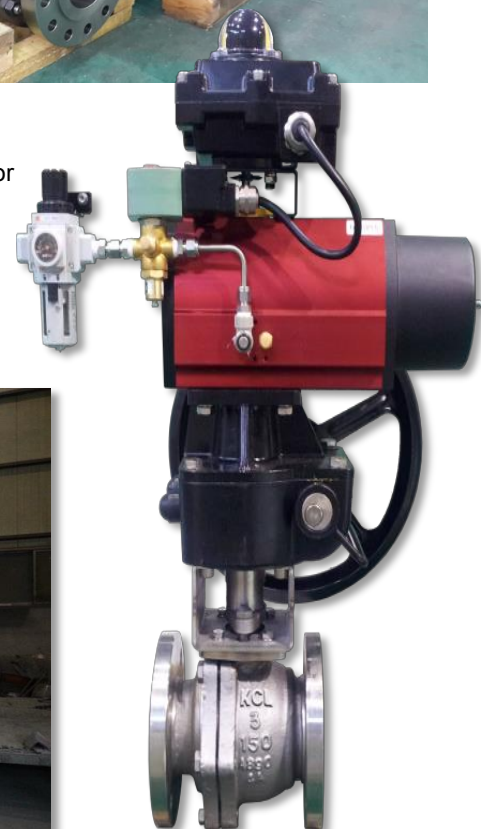
SW end : 800lb~2500lb

1/2 " ~2" R/F bore

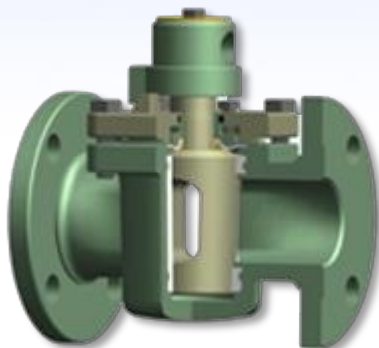
Products Ball Valve

Casting & Forged Ball Valve

PRODUCTS	- CASTED Ball Valve - FORGED Ball Valve - 3-WAY Ball Valve - JACKET Ball Valve - EXTENDED Ball Valve - CRYOGENIC Ball Valve etc.
CLASS	- 150Lb ~ 1500Lb
SIZE	- 1/2" ~ 42"
MATERIAL	- WCB, WC6, WC9, CF8, CF8M, CF3, CF3M, etc.
OPERATED	- Lever, Hand wheel, Gear, Electric or Pneumatic actuator
DESIGN	- ASME B16.34 and API 6D
ENDS	- RF / FF / BW / RTJ
TESTING	- API 598



Products Plug Valve



TEFLON SLEEVED PLUG VALVES

MATERIAL

- BODY / PLUG

- : ASTM A216 WCB, WCC
- : ASTM A351 CF8M, CF3M, CF8, CF3, CN7M, CD4M
- : ASTM A352 LCB

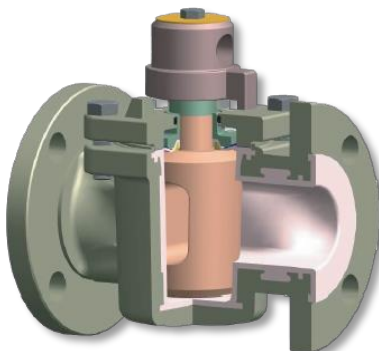
- SLEEVE : PTFE, RTFE, TFM 4215

PRESSURE & SIZE RANGE

- ANSI 150LB 1/2" ~ 24"
- ANSI 300LB 1/2" ~ 24"
- ANSI 600LB 1/2" ~ 12"
- JIS 10K, 20K, 40K

Main Fluid

Toxic, Flammable, Explosive Fluid Line
and No-leakage required Line



TEFLON LINED PLUG VALVES

MATERIAL

- BODY / PLUG : ASTM A216 WCB

- : ASTM A351 CF8M, CF3M

- LINING MAT'L : PFA

PRESSURE & SIZE RANGE

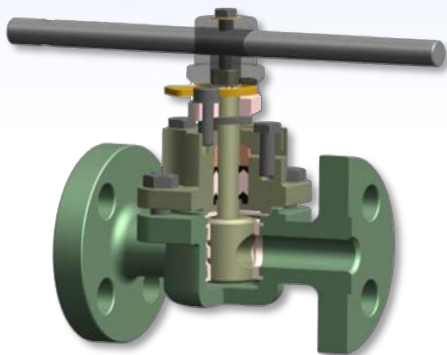
- ANSI 150LB 1/2" ~ 12"
- JIS 10K

MAIN FLUID

Acidic or Alkalic Fluid Line specially required
for No-Leakage



Products Plug Valve



EXTENDED PACKING PLUG VALVES

◆ Feature

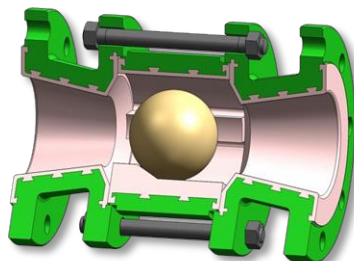
Extended triple seal stem packing type. Easy to choose the kinds and material of packing. (Graphite, PTFE V-Packing, VOC packing)

No leaked semi-permanent structure though equally pressured Triple Seal Stem Packing by Gland flange.

Various and steady Leaking Prevention by Steam Sealing.

Able to be used as Live Loaded Extended Packing by using Plate Spring with an Option to use Gland Flange Bolt to do triple sealing against various temperature effectively.

Able to prevent stern requirements for leaking prevention and control the requirements for sealing economically.



TEFLON LINED BALL CHECK VALVES

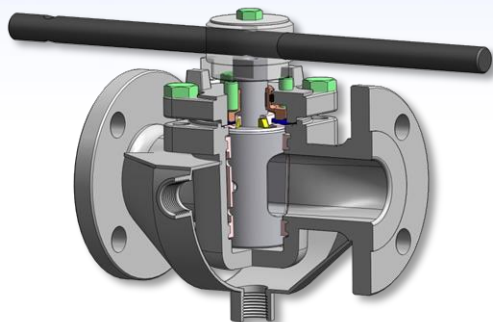
Structure

the whole body of the valve has PFA Teflon linings. RTFE ball Moves freely on the Spacer where lining has been done with Teflon materials and he ball stops in the double sided flange passage way. pressure of the material or the counter flow moves the ball upstream stopping the flow. The spacer of the downstream is in the developing there is a free flow.

Places of use and function

- 1) Prevent harms done on the pump motor by counter flow
- 2) Prevent harms done on the pump impeller by the counter flow
- 3) Interception when the back-head is high

Products Plug Valve



JACKETED PLUG VALVES

1. PA, MNT, DNT, LACTAM, PET POLYMER of the line are used for the accurate control of the temperature of the flow.
2. Applicable for the heating or cooling flow in the Jacket. (MAX. 230°C~ MIN. -50°C)
3. Possible supply to valve contacts and Jacket contacts.
4. Complete body anti pressure test before the welding of the Jacket or after the welding for the guarantee of credibility.

PRESSURE & SIZE RANGE

- ANSI 150LB 1/2" ~ 24"
- ANSI 300LB 1/2" ~ 24"
- ANSI 600LB 1/2" ~ 12"
- JIS 10K, 20K, 40K



TEFLON LINED SWING CHECK VALVES

Structure

Teflon Lined Swing Check Valve is composed of the Body and 2 Discs all of which comes in contact with the flowing bodies The areas of contact has Teflon mold making the product applicable to places where anticorrosive characteristic is needed instead of high steel alloy valve. The disc with a attached hinge between the valve's body and the flange moves to stop or allow the flow.

Use

- 1) Prevent of the counter rotation of the Pump Motor
- 2) Shock prevention of the Pump
- 3) Shut-off function when the back head is high

Products Plug Valve



3-WAY PLUG VALVES

MATERIAL

- BODY / PLUG : ASTM A216 WCB, WCC
: ASTM A351 CF8M, CF3M, CF8, CF3,
CN7M, CD4M
: ASTM A352 LCB
- SLEEVE : PTFE, RTFE, TFM4215

PRESSURE & SIZE RANGE

- ANSI 150LB 1/2" ~ 12"
- ANSI 300LB 1/2" ~ 12"
- ANSI 600LB 1/2" ~ 6"
- JIS 10K, 20K, 40K

MAIN FLUID : Toxic, Flammable, Explosive Fluid Line and No-leakage required Line.

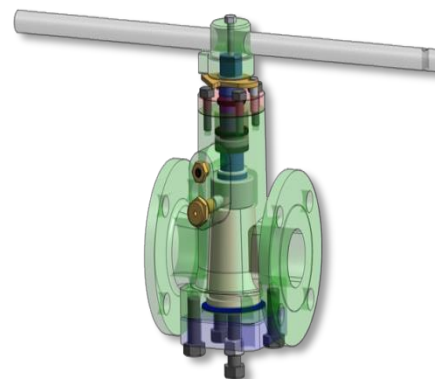


DOUBLE BLOCK & BLEED PLUG VALVES



Double Block & Bleed PLUG VALVE

LUBRICATED PLUG VALVES



Products Casting Valve



VALVE NAME	GATE VALVE, GLOBE VALVE, SWING CHECK VALVE, DUAL PLATE CHECK VALVE etc.
CLASS	- 150 LB ~ 4500 LB
SIZE	- 1/2" ~ 20"
MATERIAL	- WCB, WC6, WC9, CF8, CF8M, CF3, CF3M, etc.
OPERATING	- Lever, Hand wheel, Gear, MOV, POV
DESIGN	- ASME B16.34 and API600, 603
ENDS	- RF / FF / BW / RTJ
TESTING	- API 598



Products Butterfly Valve



VALVE NAME	Rubber Lined Butterfly Valve Double & Triple Offset Butterfly Valve Water Work Butterfly Valve
CLASS	- 150 LB ~ 300 LB
SIZE	- 1/2" ~ 48"
MATERIAL	- WCB, WC6, WC9, CF8, CF8M, CF3, CF3M, etc.
OPERATING DESIGN	- Lever, Hand wheel, Gear, MOV, POV
TYPE	- WAFFER, LUG, FLANGE



Products Special Valve



BELLOWS VALVE

VALVE NAME	- Bellows Seal Casting Valve
CLASS	- 150 LB ~ 900 LB
SIZE	- 1/2" ~ 24"
MATERIAL	- WCB, WC6, WC9, CF8, CF8M, CF3,CF3M,etc.
OPERATING	- Lever, Handwheel, Gear, Electric or Pneumatic actuator
DESIGN	- ASME B16.34 and API600, 603
ENDS	- RF / FF / BW / RTJ
TESTING	- API 598



POST INDICATOR VALVE

VALVE NAME	- Post Indicator Valve
CLASS	- 150Lb ~ 2500Lb
SIZE	- 1/2" ~ 30"
MATERIAL	- WCB, WC6, WC9, CF8, CF8M, CF3,CF3M,etc.
OPERATING	- Lever, Handwheel, Gear, Electric or Pneumatic actuator
DESIGN	- ASME B16.34 and API 6D
ENDS	- RF / FF / BW / RTJ
TESTING	- API 598



6-WAY BALL VALVE

Products Special Valve



Chain OP. Ball Valve
Fuji Electronic Export



6 – Way Ball Valve Japan EBARA Export



Ni-Al MOV Ball Valve



POV Forged Ball Valve



Gear OP. Lined Plug Valve



Products Special Valve



150# 30" Ball Valve



F53 Super Duplex Ball Valve



Ni-Al Bronze 3-PIECE Ball Valve



BELLOWS SEAL GATE Valve



**Double Block Bleed
PLUG Valve**



Ni - Al Gate Valve

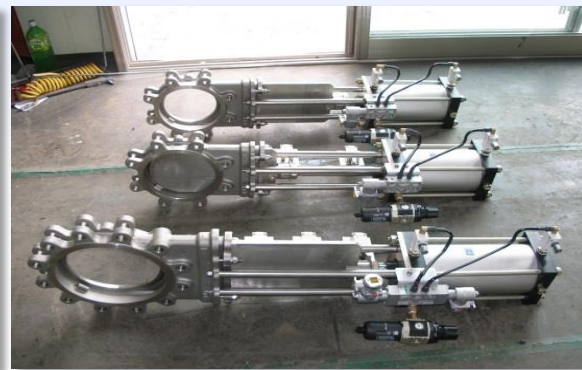
Products Special Valve



High Pressure Ball Valve



Metal PLUG Valve



Knife GATE Valve



TOP Entry Ball Valve



Cryogenic Service Valve



Ni - Al Dual Check Valve

License & Certification

Certificate API-6D



**American
Petroleum
Institute**



Certificate of Authority to use the Official API Monogram

License Number: 6D-1182 ORIGINAL

The American Petroleum Institute hereby grants to

KCL VALVE CO., LTD.
53, Seongjusanupdanji-ro 1-gil
Seongju-gun, Gyeongsangbukdo
South Korea

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and **API Spec 6D** and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram should be used in conjunction with this certificate number: **6D-1182**

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following products: **Plug Valves; Ball Valves**

QMS Exclusions: No Exclusions Identified as Applicable

Effective Date: DECEMBER 4, 2013
Expiration Date: SEPTEMBER 12, 2014

To verify the authenticity of this license, go to www.api.org/compositelist.

American Petroleum Institute



Director of Global Industry Services

Certificate API-6FA



**VELOSI INTERNATIONAL
KOREA**

THE WORLDWIDE INSPECTION, EXPEDITING AND PROCUREMENT SPECIALISTS



W
We Are You
AY

FIRE TEST CERTIFICATE

Certification No. : FTC-6FA-KCL-20130706-PLUG003
Ref. Test Report No. : KCL-130629-003

This is to certify that the following materials have been inspected by Velosi Korea and found to be satisfactory in the Fire Test in accordance with API 6FA, third edition, ERRATA 2, December 2008.

Manufacturer : **KCL VALVE CORPORATION**
 Location : **#711, ACE Tower, 529-1, Gojan Dong, Daejeon-Gu, Ansan-Si, Gyeonggi-Do, Korea**
 Location of Test : **#302-1, Mukhang-ri, Sangkong-myeon, Gimhae, Gyeongsangnam-do, Korea**

1. Description of Test Valve :

Valve Model No.	K520DBB
Valve Drawing No.	KCL20120912-05
Type of Test Valve	Double Block and Bleed Plug Valve
Description of Test Valve	Double Block Slip & Body, Plug, Viton-O-ring Seat, Flanged, Gear Operated
Valve Size (NPS)	NPS 6
Pressure Rating (ANSI Class)	150#
Valve Body Material	ASTM A351 CF8M
Valve Seat Material & Configuration	Viton-O-ring / Symmetric, Bi-directional Service
Operating Method	Gear Operated
Valve Weight	85 Kg
Date of Test	June 29, 2013

2. Qualified Range of Valve :

Qualified Sizes (NPS)	6", 8", 10", 12"
Qualified Pressure Ratings (ANSI Class)	150#, 300#
Qualified Valve Material	Austenitic

This certificate is issued in accordance with API 6FA, 3rd edition, based on result of test report on above mentioned test valve. For detailed report of tested valve, see the Appendix 1 Fire Test Report of this certificate. The additional valve qualification shall be limited on the valves according to Table 2 & 3 requirements.



Velosi International - Korea
Date : 6th of July 2013



Hee-Hyun, Kim
President

License & Certification

BALL VALVE

Certificate API-607

PTS

Pacific Technical Service Co., Ltd.
Cobit Plaza B-1, # 130-10 Samsung-Dong, Gangnam-Gu, Seoul, Korea
Tel : 82-2-418-4209
Fax : 82-2-567-3117
e-mail : patech@netsgo.com

FIRE TEST CERTIFICATE

Certificate No. TS-2011-03-05-FT-BA-150-8-CF8 Date : Mar. 04, 2011
Applicant / Manufacturer : Korea Complete Valve Co., Ltd. (KCL Valve)
Kind of test : Fire safety design verification test
Test item : ASME B16.34 Ball valve 8"-150 Lbs Flanged, RF 1 set
Body/Bonnet : A351-CF8,
Ball/Stem : A351-CF8 / A276-304
Seat Ring : RPTFE
Packing : PTFE
Bonnet Bolt / Gland Bolt : A193-B8 / A307-B
Drawing No: KBV520-150-300-ASSY-304
Rev. 0 / Aug. 09, 2010
Test date / Place : Mar. 04, 2011 / Kimhae factory of KCL.
Test standard : API 607:5th:2005

This is to certify that the fire test has been performed by the manufacturer under our witness as above, and the results are satisfied with the requirements of API 607 for the above product, so we hereby confirm the qualification of valves of 150 Lbs through 300 Lbs rating with 8" and larger size per API 607 - Clause 7.3 & 7.4.

Note

This certificate reflects only our witnessing findings at the time and place of test and does not refer to any other matters.

Pacific Technical Service Co., Ltd.
S. H. Koo
S. H. Koo / Manager, Industrial Service Dept.

The issue of this certificate shall not relieve the Supplier or Manufacturer from any responsibility or such guarantees as may be arranged, nor no interpreted so as in any way to imply acceptance of such products. Neither Pacific Technical Service Co., Ltd. be held responsible in any way whatever the technical accuracy and contents of the purchaser's order.

PTS

Pacific Technical Service Co., Ltd.
Cobit Plaza B-1, # 130-10 Samsung-Dong, Gangnam-Gu, Seoul, Korea
Tel : 82-2-418-4209
Fax : 82-2-567-3117
e-mail : patech@netsgo.com

FIRE TEST CERTIFICATE

Certificate No. TS-2011-03-11-FT-PG-150-8-CF8 Date : Mar. 05, 2011
Applicant / Manufacturer : Korea Complete Valve Co., Ltd. (KCL Valve)
Kind of test : Fire safety design verification test
Test item : ASME B16.34 Plug valve 8"-150 Lbs Flanged, RF 1 set
Body/Cover : A351-CF8,
Plug : A351-CF8
Wedge Ring/Diaphragm : RPTFE
Sleeve : PTFE, Metal Diaphragm/Thrust Collar : SUS304
Cover Bolt : A193-B8
Drawing No: KPV520-200-ASSY-304
Rev. 0 / Nov. 15, 2010
Test date / Place : Mar. 05, 2011 / Kimhae factory of KCL.
Test standard : API 607:5th:2005

This is to certify that the fire test has been performed by the manufacturer under our witness as above, and the results are satisfied with the requirements of API 607 for the above product, so we hereby confirm the qualification of valves of 150 Lbs through 300 Lbs rating with 8" and larger size per API 607 - Clause 7.3 & 7.4.

Note

This certificate reflects only our witnessing findings at the time and place of test and does not refer to any other matters.

Pacific Technical Service Co., Ltd.
S. H. Koo
S. H. Koo / Manager, Industrial Service Dept.

The issue of this certificate shall not relieve the Supplier or Manufacturer from any responsibility or such guarantees as may be arranged, nor no interpreted so as in any way to imply acceptance of such products. Neither Pacific Technical Service Co., Ltd. be held responsible in any way whatever the technical accuracy and contents of the purchaser's order.

PLUG VALVE

ISO9001 By Lloyd

LRQA
Business Assurance

CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

KCL VALVE CO., LTD.
302-1, Mukbang-ri, Sangdong-myeon
Gimhae-si, Gyeongnam, Korea

has been approved by Lloyd's Register Quality Assurance to the following Quality Management System Standards:

ISO 9001:2008

The Quality Management System is applicable to:

**Design, manufacture and service of casting steel valves
include gate valves, globe valves, check valves,
ball valves and plug valves.**

Approval
Certificate No: SEO 6017011

Original Approval: 1 April 2013

Current Certificate: 1 April 2013

Certificate Expiry: 11 June 2014

Singhawan Jyoti

Issued by: LRQA (Korea) Ltd. for and on behalf of
Lloyd's Register Quality Assurance Limited



This document is subject to the provision on the reverse
17th Floor, Singong Bldg, #25-4, Yousido-dong, Yongsong-gu, Seoul, 150-923, Korea
For and on behalf of 71, Fenchurch Street, London EC3M 4BS United Kingdom
This approval is limited to the scope of the ISO 9001:2008 certification and is not intended to be used for any other purpose.
The use of the LRQA Accredited Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001.

License & Certification

NIEOC

REG.NO.9286041
ATTACHEMENTS:



To: KCL Valve
Korea

Subject : Registration In A.V.L

Dear Sirs,

We are pleased to inform you that based on the decision of NIEOC's Vendors evaluation committee your company has been placed on our Approved Vendors List as the manufacturer of the following products for two years from 15th March, 2014. The extension of this inclusion depends on your co. execution.

Class Description

- 1- Ball Valve(2"-30", ±150)(2"-24", ±300,600)
- 2- Gate Valve(2"-30", ±150)(2"-24", ±300,600)(2"-16", ±900)
- 3- Plug Valve(2"-24", ±150,300,600)
- 4- Swing Check Valve(2"-24", ±150,300)(2"-16", ±600)(2"-8", ±900)
- 5- Globe Valve(2"-16", ±150,300,600,900)
- 6- Forged Gate, Globe and Check Valve(1/2"-2", Up to ±800)

Being registered is no guarantee to issue an enquiry relating to the Accepted product.

Also you are kindly requested to visit our website: www.nieoc.org and see our approved vendors list.

Your Faithfully
Mousanejad S.A

Mousanejad
Head Of Technical Services & Sourcing

RUWAIS FERTIL REG.NO.909266

مؤسسة سماد الأسمدة والرؤوس (فertil)
RUWAIS FERTILIZER INDUSTRIES (FERTIL)

FACSIMILE TRANSMITTAL

FROM		TO	
P.O. BOX 2386, TEL: 971 2 682 1111, FAX: 971 2 6728084, ABU DHABI, UNITED ARAB EMIRATES			
Div	PROCUREMENT DIVISION	Company	KOREA COMPLETE VALVE CO. LTD. (KCL VALVE)
Contact	MR. KHALID MSALEM	Attention	General Manager
Tel No	971 2 682 6808	Fax No	9692553277228
Date	14-Jun-2013	Compt	YASIR ALI ASHAKAR
Subject	Registration and Pre-qualification as MANUFACTURER Application # 5491		

We are pleased to inform you that your company is currently registered and updated in our Commercial Directory as a registered MANUFACTURER under the supplier Code # (909266) for the following list of Product Group:

- >> VALVES: BALL
- >> VALVES: GATE/GLOBE/CHECK ABOVE 2.0"
- >> VALVES: GATE/GLOBE/CHECK UPTO 2.0"
- >> VALVES: PLUG
- >> VALVES: SPECIAL/NON STANDARD BALL VALVES

To ensure better cooperation, please notify the above mentioned personnel immediately for any changes to your contacts, legal status and capabilities.

Also, please be advised that this registration carries no obligation on Fertil part to select your company for inclusion into our bid process unless considered pre-qualified for the relevant tender/bid which shall be decided at the sole discretion of Fertil.

We value your partnership and look forward to achieving a successful business relationship.

Best Regards,

Khalid A. Khalifa

KHALID A. KHALIFA
VP, PROCUREMENT

(This Fax is intended for the sole use of the individual and entity to whom it is addressed and may contain information that is confidential. Use, duplication or disclosure of contents other than the intended purpose is strictly prohibited. Thank you.)

TAKREER REG.NO.910004



FACSIMILE MESSAGE

To : M/s. Masood Energy Services - LLC.
Attn: General Manager
Fax No.: 6720802
Abu Dhabi

From : Procurement Support Department Manager
Fax No.: 6027442

Abu Dhabi Oil Refining Company (TAKREER)
P.O. Box 3593 - Tel: (9712) 6027000 - Abu Dhabi, U.A.E.

Ref. No. : TKR/S/S/O&P/FES/2013
Subject : REGISTRATION & PRE-QUALIFICATION STATUS
Date : 18 MAR 2013

This has reference to the Pre-qualification Document of your Principal M/s. Korea Complete Valve Co. Ltd. (KCL Valve) - KOREA, submitted by you as a Manufacturer. Please be informed that based on the evaluation, the above principal has been included in TAKREER records as a possible source for supply of the following products:

- > Valves: Ball
- > Valves: Plug
- > Valves: Special/Non Standard Ball Valves

Please note that at the time of release of enquiries, a further short listing takes place based on exhibited interest at that time and the specifics of material /equipment in question as the need may be.

You are advised to quote your Principal's Registration No. 910004 in all future correspondence.

Hashim A. Hashem
Hashim A. Hashem

License & Certification

SWCC PO for Registration



Saline Water Conversion Corporation
Riyadh, Otara King Fahad Road
PO Box 60000 Riyadh 11555
Kingdom of Saudi Arabia
Tel: 4631111 Fax: 4630832
www.swcc.gov.sa

Standard Purchase Order 29898

TO: KCL VALVE CO., LTD.	Supplier No.: 3464
Address: 1261 GEDUNSAN-RI SEONGTU-SUB, SEONGTU-GUN GYEONGSANGBUK-DO Country: REPUBLIC OF KOREA	Your Quotation No.: 953 Quotation Date: 12-MAR-2012 E-Mail Date:
Email: kclvalve@kclvalve.com	Delivery Period: Days
Attention: Mr. SHANNAMAZ SHAH	

PO No.: 29898	PO Date: 21-MAY-2012
Revi. No.: 0	Rev. Date: --
RFQ No.: 1784736-2	Plant: Al-Khobar Plants
Payment Type: CAD	PO Value:

Quote No: 953	PO No: 29898
Supplier: KCL VALVE CO., LTD.	Currency: USD

Purchase Order - Item Details

Line	Item No.	Item Description	QOM	Qty.	Unit Price	Total price
1	0249762	VALVE, GATE, ROCKEY WELD, CLASS 150, DN25 (1.5"), END USER: KCL VALVE CO., LTD.	Piece	10.00		
2	0252188	VALVE, GLOBE, PLANSO, PROPORTIONALLY OPERATED, RAISED FACE, CARBON STEEL, CLASS 150, DN25 (1.5"), END USER: KCL VALVE CO., LTD.	Piece	1.00		
3	0253090	VALVE, GATE, PROPORTIONALLY OPERATED, RAISED FACE, CARBON STEEL, CLASS 150, DN25 (1.5"), END USER: KCL VALVE CO., LTD.	Piece	29.00		
4	0253244	VALVE, BUTTERFLY, DOUBLE PLANSO, TYPE, LINKED, TIGHT SHUT OFF, FLAT FACE, ASTM A 216 WCB, END. WFL, DN25 (1.5"), END USER: KCL VALVE CO., LTD.	Piece	3.00		
5	0253770	VALVE, GATE, ROCKEY WELD, NAME WELDED OPERATED, PRODOCK BORE, CLASS 150, DN25 (1.5"), KCL VALVE CO., LTD.	Piece	3.00		
6	0255535	VALVE, BALL, DOUBLE WELD, LEVER OPERATED, PRODOCK BORE, STAINLESS STEEL 316, WFL, DN25 (1.5"), END USER: KCL VALVE CO., LTD.	Piece	5.00		

Ex-Works Material Cost
Discount
Packing Cost
Document Charges
Grand Total

IKPT VQM REGISTRATION

IKPT Vendor Qualification Management
(Manufacture)

Reg No.: 7889VQM0001

Vendor Name: KCL VALVE
Address: RT11, ACE TOWER, 528-1 Gyeon Dong, Daejeon-Gu, Asan-si, Gyeonggi Do, South Korea
Telephone No. / Fax No.: 82-31-465-7177 / 82-31-465-7128
E-mail: kclvalve@kclvalve.com
Contact Person / Title: Jung Dae, Ki Director
Kyu Yeon, Ji Deputy General Manager
Product / Services (Brand): Ball Valve, Plug Valve, Gate Valve, etc.

Evaluation Period: 2013
Valid Thru: 30-Jun-2015
Evaluation Category: Pre-qualification

No.	Component Factor	Weight Factor	Obtained Point	Max. Point	Score
1	Financial Strength	20%	333	400	17
2	Service and Response	5%	175	200	4
3	Design and Engineering	10%	315	500	6
4	Procurement	20%	602	900	13
5	Production Facilities	15%	375	600	9
6	Quality Control	10%	700	900	8
7	QA and SHE	10%	136	200	7
8	Information Technology	10%	250	400	6
TOTAL FINAL POINT					71

Note:
a. Item Point is the point for each component factor
b. Final Point = $\frac{\text{Total Item Point}}{\text{Total Item}} \times \text{Weight Factor}$

RESULT:
A = Very Good (90-100)
B = Good (70-89)
C = Average (60-79)
D = Not Acceptable (< 60)

Grade: **PASSED**

REMARKS:
Please note this VQM result does not guarantee that IKPT will provide you with an opportunity to bid.
Our Procurement Division will carefully evaluate the project requirements and we reserve the right to make all procurement decisions at our sole discretion.

Evaluated by: [Signature]
Reviewed by: [Signature]
Approved by: [Signature]
Date: 18-Jun-2013

IKPT will carefully evaluate the Vendor's data and reserve the right to determine the score at our sole discretion.

OOCEP(Oman) Vendor Reg.

Hyundai Oil Company Exploration & Production LLC
Oman Oil Company Exploration & Production LLC

HYUNDAI OIL COMPANY EXPLORATION & PRODUCTION LLC

PROJECT : MUSANDAM GAS PLANT PROJECT
LOCATION : MUSANDAM, SULTANATE OF OMAN
COMPANY : OMAN OIL COMPANY EXPLORATION & PRODUCTION LLC
P.O. NO. : MGP-GEN-PIP-POR-HEC-000-00055-00
ITEM : JACKETED PLUG VALVE (KCL VALVE CO., LTD.)

GENERAL ASSEMBLY DRAWING
DOC # MGP-GEN-PIP-DTL-DSV-000-00003-U-03

DOCUMENT STATUS

☒ 1 : Approved
☒ 2 : Approved with Comments
☐ 3 : Not Approved
☐ 4 : Information Only

NOTE: Permission to proceed does not constitute acceptance of approval of design details, calculations, analysis, test methods or materials developed/checked by the Supplier and does not relieve the Supplier from full compliance with contractual obligations.

REVIEW DATE: 26-Sep-13

ENGINEER	LEAD ENGINEER
B. E. Jang	C. S. Kim

REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED
U-03	Sep. 16, 2013	FOR CONSTRUCTION	A. R. JEONG	Y.N. KANG	J.W. KIM
U-02	Jul. 17, 2013	FOR CONSTRUCTION	C.H. OH	J.H. LEE	S.H. BANG
U-01	Jan. 29, 2013	FOR CONSTRUCTION	C.H. OH	J.H. LEE	S.H. BANG
K-00	Sep. 7, 2012	FOR CONSTRUCTION	C.H. OH	J.H. LEE	S.H. BANG

MGP-GEN-PIP-DTL-DSV-000-00003-00-U-03
MGP-GEN-PIP-POR-HEC-000-00055-00

License & Certification

UAE
Ministry of E&C

United Arab Emirates
Ministry of Economy
Commercial Agencies Department

الإمارات العربية المتحدة
وزارة الاقتصاد
إدارة الوكالات التجارية

شهادة قيد وكالة تجارية

Registration NO: 15831

Agent Name: Korea Complete Valve Co., Ltd. KCL Valve

Principal Name: Korea Complete Valve Co., Ltd. KCL Valve

Products and services: 1- KCL Valve

Trade name: 1- KCL Valve

Registration Date: 28/04/2013
Expiry Date: 28/04/2014
Printed Date: 29/04/2013

2013.08.06
SK종합화학
대표이사 차와업

SK Group



협력업체 등록 증명서

등록번호 : 137-81-896
업체명 : (주)케이씨밸브
소재지 : 경기도 안성
승인품목 : 1 PLUG

등록번호 : 137-81-896
업체명 : (주)케이씨밸브
소재지 : 경기도 안성
승인품목 : 1 PLUG

등록번호 : 137-81-896
업체명 : (주)케이씨밸브
소재지 : 경기도 안성
승인품목 : 1 PLUG

등록번호 : 137-81-89631
업체명 : (주)케이씨밸브
소재지 : 경기도 안성시 단원구 교관동 529-1 에이스타워 711호
승인품목 : 1 PLUG VALVE

상기 품목에 대해 귀사가 한

상기 품목에 대해 귀사가 한

상기 품목에 대해 귀사가 한

상기 품목에 대해 귀사가 한 [SK종합화학 주식회사]의 등록업체임을 인증함.



License & Certification

SAMSUNG FINE CHEMICALS

삼성정밀화학 SAMSUNG

삼성정밀화학주식회사
본사: 서울특별시 남구 여의도 196번지
680-000
TEL : 052-270-6114 FAX : 052-272-7925

상정화 : 제 2014 - 023 호 2014. 02. 10
업제명 : (주) 케이씨엘
참 조 :
종 목 : Plug Valve
제 목 : 플러그밸브 등록 증명원 / 승인등록 인정권 (Plug Valve)

1. 귀사의 인의 진정성을 기원합니다.
 2. (주)케이씨엘은 상기 등록에 대하여 현재 삼성정밀화학 주식회사의 등록업체임을 인정함.
- 이상 -

삼성정밀화학주식회사
대표이사 사장 성 인 화

02-A-038(1996.11.20) Rev.01

License of Factory Registration

[별지 제8호의 2의식] <개정 2008. 8. 7>

공 장 등 록	
신 청 인	회 사 명 (주)케이씨엘
대 표 자 성명	신명호
대 표 자 주 소 (법인소재지)	경기도 안산시단원구
등 록 장 소 제 지	경상남도 김해시 상동면
등 록 공 장 등 록 일	2010-08-02 사업시지
내 용	공장의 일종 (분류번호)
용 법, 벨트 및 유사장치 제조업 (하단장치)	
등 록 조 건	
등록변경, 공제 등 기재 사항 (변경날짜 및 내용)	[신설변경승인] 등 사 유 : 환요
등록장소번호(분류번호)	20133
「산업집적활성화및공장설립에관한법률」 제41조 제1항 제1호에 따라 등록한 공장을 증명합니다.	
김 해 시 (수인증지가 인명(청부)된 증명본 그 효력을 인정함)	
귀하의 공장설립에 관한 법률 제41조 제1항 제1호에 따라 등록한 공장을 증명합니다.	
2014. 08. 13. 55995	
서울산업진흥원	

Verification of Venture Company

제 20120103649 호

벤처기

업 체 명 : (주)K
대 표 자 : 신명호
소 재 지 : 경기
확 인 유 형 : 기술
평 가 기 관 : 기술
유 효 기 간 : 2012

위 업체는 벤처기업육
규정에 의하여 벤처기

KIBO 기술

R & D 연구소

제 2014110833 호

[발급일자: 2014년 02월 27일]

기업부설연구소 인정서

1. 연 구 소 명 : (주)케이씨엘 기업부설연구소
 2. 소 재 지 : 경상북도 성주군 성주읍 성주산업단지1길 53 사무동(B)동 2층
 3. 신고 연월일 : 2014년 2월 24일
- * 유효기간: 벤처기업 인정일(2014년 04월 08일)까지 벤처기업유형 2 간 연장시 재능함

미래창조과학부

「기초연구진흥 및 기술개발지원에 관한 법률」 제14조, 같은 법 시행령 제16조제1항 및 제27조제1항에 따라 위와 같이 기업부설연구소로 인정합니다.



2014년 2월 27일

한국산업기술진흥협회



* 한국산업기술진흥협회는 본 인증서도 "http://www.kita.or.kr"에서 "본서신"을 입력하면 본 인증서도 및 인증서도 발급일 수 있습니다.

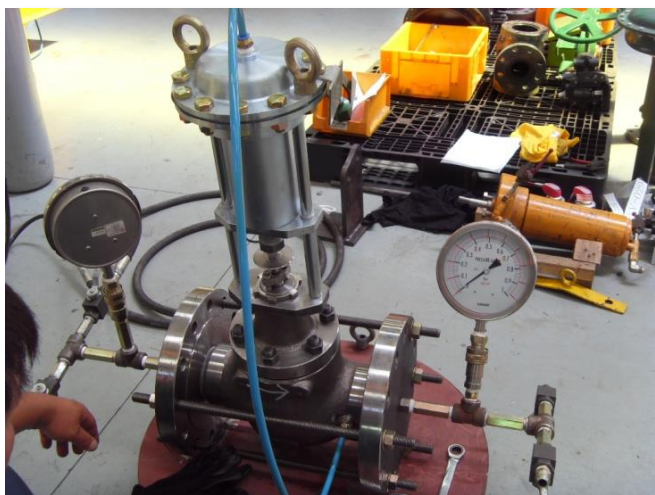
Test Facility



PLUG VALVE HYDROSTATIC TEST



LUBRICATED PLUG VALVE



CONTROL VALVE OPERATION

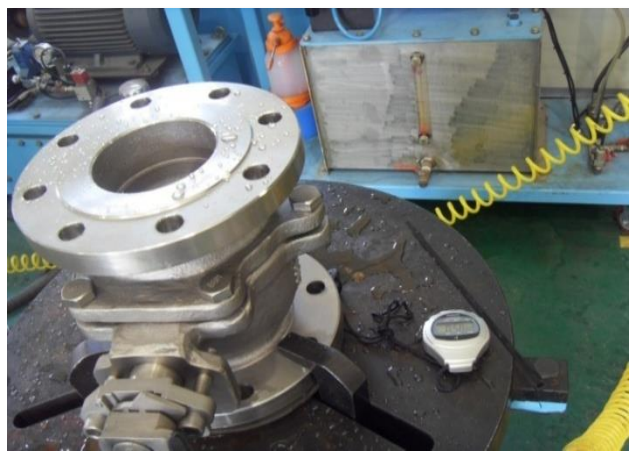


MOV BALL VALVE OPERATION

Test Facility



600LB GLOBE VALVE FUNCTIONING TEST



BALL VALVE PNEUMATIC SEAT TEST



BALL VALVE HYDROSTATIC TEST

NDE Test Facility



PT TEST



PMI TEST



Paint Thickness TEST



RT TEST



UV TEST

CRYOGENIC Test Facility



-196 degrees Cryogenic Service Test

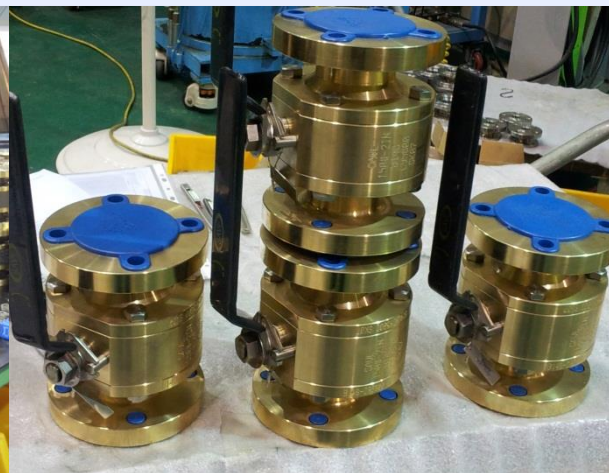
Project Performance



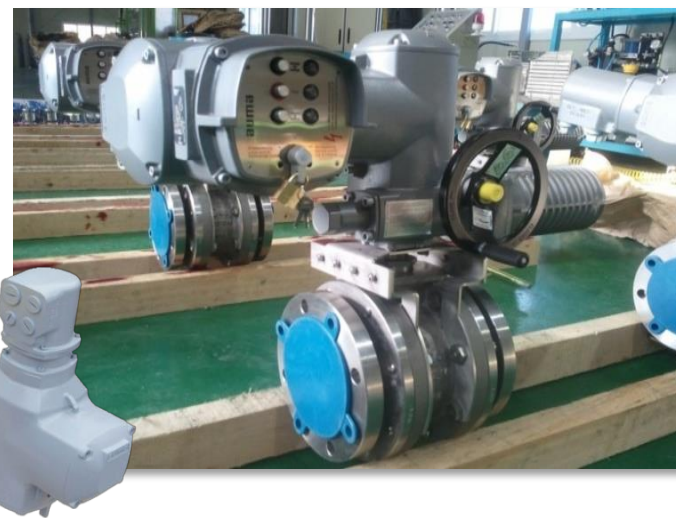
SAMRA POWER STATION PHASE-III, SIMPLE CYCLE PROJECT



SAUDI RABIGH PROJECT (NI-AL BRONZE BALL VALVES)



Jebel Ali – “ M ” PROJECT (UAE) [Pneumatic]



South Pars Project (All KCL Brand Export)



**600# 24"
MOV Ball Valve
18 Sets to
UAE Export
All KCL Brand**

**Forged & Casted
Gate, Ball Valve,
Strainer,
USD \$ 4,000,000 Over**



UAE Project (All KCL Brand Export)



Ball, Gate, Globe, Check
Butterfly Valves Total 791 Pcs
UAE Export (USD 900,000)

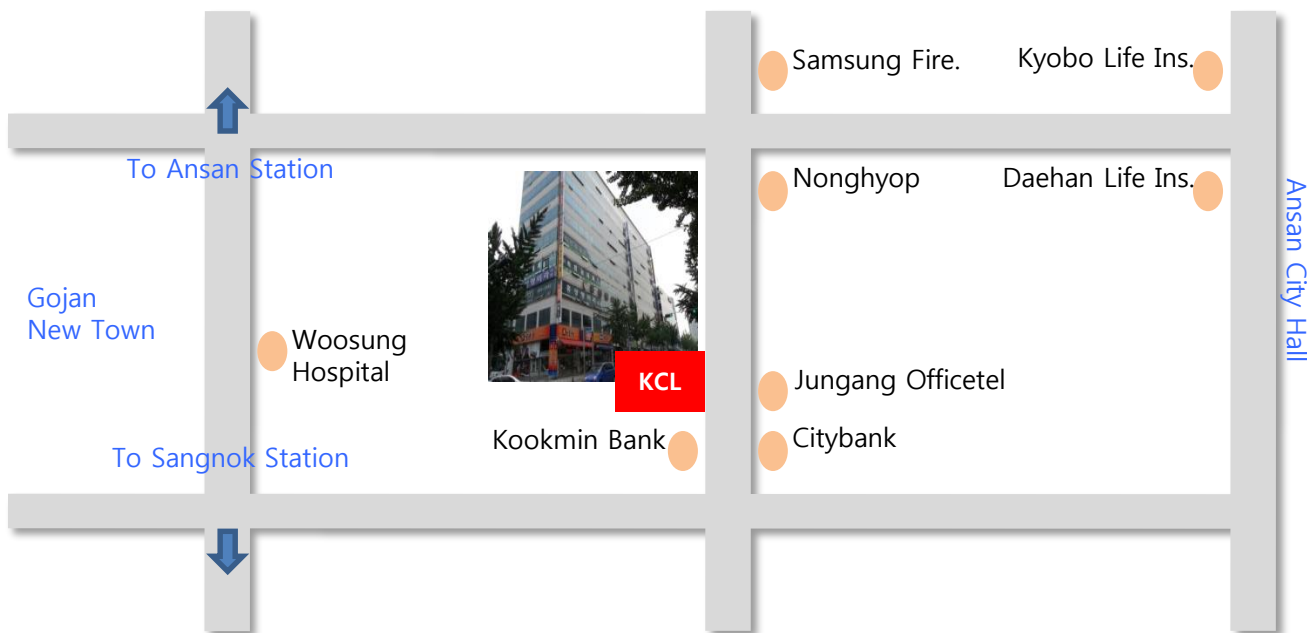


Location (HEAD Office)

◎Ansan Office

PHONE/FAX : 82-31-405-7327 / 82-31-405-7328

ADDRESS : #711 Ace Tower, 529-1 Gojandong Danwon, Ansan, Gyeonggido, KOREA

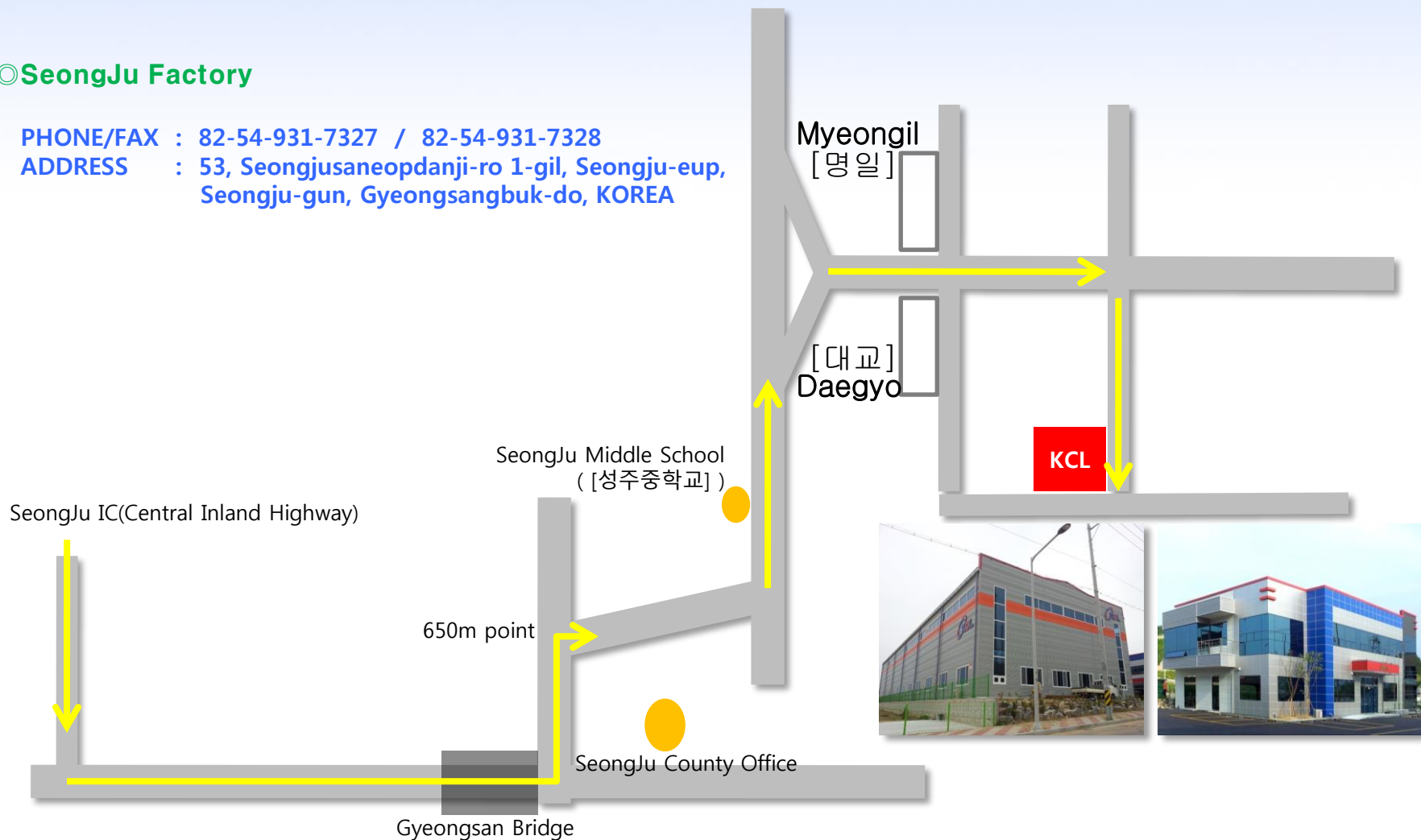


Location (SeongJu Factory)

◎SeongJu Factory

PHONE/FAX : 82-54-931-7327 / 82-54-931-7328

ADDRESS : 53, Seongjusaneopdanji-ro 1-gil, Seongju-eup,
Seongju-gun, Gyeongsangbuk-do, KOREA



Location (Gimhae Factory)

◎Gimhae Factory

ADDRESS : 302-1 MOOKBANGRI SANGDONGMYEON, GIMHAE, GYEONGSANGNAMDO, KOREA



Experience

DATE	PROJECT NAME/USER	ITEM	CLASS	SIZE	SITE
2013.06	ECH NO.2	BALL VALVE	150#~300#	½" ~ 4"	ULSAN, KOREA
2013.06	RABIGH(S&S OEM)	BALL VALVE	150#~300#	1" ~ 12"	SAUDI
2013.06	DWR PJT MENTONE	BALL VALVE	150#~300#	6" ~ 12"	USA
2013.05	UMM ALNAR INDEPENDENT	GATE & GLOBE	900#~1500#	1" ~ 2"	UAE
2012.11	AIR FORCE OIL TANK	PLUG, DBBV, BALL	150#	2"~10"	KOREA/WONJU
2012.10	COKING PROPERTY 3 HYUNDAI STEEL	JACKET PLUG	10K	1"~6"	KOREA/DANGJIN
2012.10	AIR FORCE OIL TANK	PLUG, DBBV	150#	2"~4"	KOREA/JEONJU
2012.10	HYUNDAI HYSKO	BALL VALVE	10K	3"~10"	KOREA
2012.09	SOUTH PAR 20&21	BALL VALVE	300#~800#	½"~2"	UAE/IRAN
2012.07	INGULA/FUJU ELECTRIC	BALL VALVE	10K	2"~8"	SOUTH AFRICA
2012.07	BARZNA/EBARA	6-WAY BALL	300#	1"~2"	QATAR
2012.07	SOUTH PAR 12	BALL, GATE, GLOBE, CHECK	150#~800#	¼"~16"	UAE/IRAN
2012.07	SOUTH PAR 14	BALL, GATE, GLOBE, CHECK	150#~800#	¼"~8"	UAE/IRAN
2012.07	SOUTH PAR 19	BALL, GATE, GLOBE,CHECK	150#~800#	¼"~10"	UAE/IRAN
2012.04	SAUDI ELECTRIC(S&S OEM)	BALL, PLUG, PLUG LINED	150#~600#	½"~36"	SAUDI
2012.04	POWER & WATER UTILITY	BALL VALVE	PN10	½"~6"	UAE

Experience

DATE	PROJECT NAME/USER	ITEM	CLASS	SIZE	SITE
2012.01	RAZ AZ ZAWR	Parallel Slide GATE VALVE	150LB ~ 300LB	½" ~ 1-1/2"	SAUDI ARABIA
2011.12	Rabigh	BALL	150LB	½" ~ 4"	SAUDI ARABIA
2011.11	South Pars	GATE, GLOBE,CHECK,BALL etc	150LB ~ 600LB	½" ~ 24"	IRAN / UAE
2011.10	SABIC	GLOBE VALVE(BW)	600LB	2"	SAUDI ARABIA
2011.09	JAPAN KVC	PLUG VALVE	150LB	2"~3"	JAPAN
2011.04	HANKOOK SILICON	ACTUATOR BALL VALVE etc	10K, 150LB	1"~2"	KOREA
2011.04	KOLON	3-WAY , JACKET PLUG VALVE	10K	¾", 2"x3"	KOREA
2011.03	RIAYDH PP11	BALL VALVE	600LB	½"~1"	SAUDI ARABIA
2011.03	JEBEL ALI "M"	BALL VALVE	300LB, 600LB	1"	UAE
2011.03	QURAYYAH PROJECT	GATE, BALL(NI-AL BRONZE)	150LB, 800LB	½"~3"	KOREA
2011.03	YEOSU COMBINED CYCLE POWER PLANT	GATE, GLOBE, etc	150LB ~ 1500LB	1/2" ~ 4"	KOREA
2011.03	KOLON	PLUG VALVE	150LB	3" ~ 6"	KOREA
2011.03	JEIL TECHNOLOGY INDUSTRY	PLUG VALVE	150LB	5", 6"	KOREA
2011.02	QURAYYAH PROJECT	BALL VALVE	150LB	1"	KOREA
2011.01	KOLON	3-WAY JACKET PLUG VALVE	150LB, 300LB	1" ~ 3"	KOREA
2011.01	KOLON	JACKET PLUG VALVE	150LB, 300LB	1" ~ 3"	KOREA

Experience

DATE	PROJECT NAME/USER	ITEM	CLASS	SIZE	SITE
2011.01	POSCO POWER LNG	PLUG LINED VALVE	150LB	2"	KOREA
2011.01	KUMHO P&B CHEMICALS	PLUG VALVE	150LB	1", 2"	KOREA
2010.12	HANKOOK SILICON with NTC PROJECT	FORGED & CASTED BALL VALVE	150LB ~ 800LB	1/2" ~ 4"	KOREA
2010.12	QURAYYAH PROJECT	SUPER DUPLEX BALL VALVE, NI-AL BRONZE BALL VALVE	150LB	1/2" ~ 4"	KOREA
2010.12	e-tech	PLUG VALVE	150LB	1/2" ~ 6"	KOREA
2010.12	Supplied ILJIN MATERIALS Plant expansion	CF3M PLUG VALVE	150LB	6" ~ 8"	IKSAN/KOREA
2010.10	Supplied GERMANY "IPSCO"	LUBRICATE MATAL PLUG VALVE	600LB	2"	GERMANY
2010.10	Supplied AL KHALIJ BLR PROJECT	BALL VALVE	150LB	30"	KOREA
2010.10	FORMOSA PETROCHEMICAL	PLUG VALVE	150LB	1/2"~10"	TAIWAN
2010.10	Supplied SABIYA GTC PROJECT	BALL VALVE	150LB	14"	KOREA
2010.09	FORMOSA PETROCHEMICAL	PLUG VALVE	150LB	3/4"~2"	TAIWAN
2010.07	TAIWAN CTCI DUPLEX MATERIAL PLUG VALVE Supply	PLUG VALVE	150LB	6" ~ 8"	TAIWAN

Experience

DATE	PROJECT NAME/USER	ITEM	CLASS	SIZE	SITE
2010.05	HANWHA E&C Co.,Ltd. PHASE-III, SIMPLE CYCLE PROJECT	BALL VALVE	150LB	12"	KOREA
2010.05	POSCO POWER Combined Cycle Power Plant No. 5&6 / POSCO E&C	LINED PLUG VALVE	150LB	4"	KOREA
2010.03	AL KHALIJ BLR PROJECT DOOSAN / SAMSHIN	BALL VALVE	150LB	3" ~ 30"	KOREA
2010.02	SAMRA POWER STATION PHASE-III,SIMPLE CYCLE / HANWHA ENG , WONIN T&I	BALL VALVE(BW)	600LB	10" ~ 12"	KOREA
2010.01	AL Qatrana Power / LOTTE ENG , WONIN T&I	BALL VALVE	300LB~600LB	3" ~ 10"	KOREA
2009.12	POSCO POWER 5&6 / KUMWOO	GLOBE VALVE	600LB	1/2" ~ 2"	KOREA
2009.11	SIEMENS POSCO / KUMWOO	GLOBE VALVE,LIFT CHECK	600LB	1/2" ~ 1"	KOREA
2009.11	DAEJEON SOUTHWEST POWER PLANT	GATE VALVE	600LB	1/2" ~ 2"	KOREA
2009.10	HKS	BELLOWS GATE VALVE(CAST)	300LB	8"~10	KOREA
2009.10	TROY / KOLON	PLUG VALVE, JACKET PLUG	150 LB ~ 1500 LB	1/2" ~ 5"	TURKEY
2009.10	GAS CORP. / ADVANCED CONTROLS.	BALL VALVE / POV BALL VALVE	150LB~1500LB	1/2" ~ 3"	KOREA
2009.08	PS-1 / HKS	BALL VALVE / TCC MATAL	150LB~300LB	1/2" ~ 2"	YEOSU/KOR EA

Experience

DATE	PROJECT NAME/USER	ITEM	CLASS	SIZE	SITE
2009.08	DAEWOO-SODIFF Advanced materials N4 WWT	BALL VALVE	800LB	1/2" ~ 1"	YEONGJU/KOREA
2009.08	TVCK	BALL VALVE	800 LB	1/2"	KOREA
2009.06	SAMSHIN	BALL VALVE	150 LB	2"	KOREA
2009.05	JFC	METAL BALL VALVE	150LB~300LB	1/2" ~ 2"	KOREA
2009.05	P1 / KCC	BALL VALVE / MATAL BALL	150LB~800LB	1/2" ~ 2"	KUNSAN/KOREA
2009.05	KUMWOO	CHECK, GATE VALVE	600 LB ~ 800 LB	1/2" ~ 2"	KOREA
2009.02	S&S Valve	PLUG VALVE	150LB	3/4"	KOREA
2009.03	GS CALTEX	JACKET PLUG VALVE	150LB	10" X 12"	KOREA
2009. 03	KUMWOO	CHECK, GATE VALVE	600 LB ~ 800 LB	1/2" ~ 2"	KOREA
2009. 02	MISURATA & BENGHAZI	BALL VALVE	150LB~300LB	1/2" ~ 24"	LIBYA
2009. 01	GE2 / SK CORP.	GATE VALVE	150LB~300LB	8" ~ 26"	IKSAN /KOREA
2009.01	HOU # 3 / GS CALTEX	PLUG VALVE(CN7M)	150 LB	10"	KOREA
2008.11	JEONGWOO	GLOBE, CHECK, BALL VALVE	150 LB ~ 600 LB	1/2" ~ 2"	KOREA
2008.10	DOOSAN/OS valve	PLUG VALVE, JACKET PLUG	150LB	1/2"	KOREA

Experience

DATE	PROJECT NAME/USER	ITEM	CLASS	SIZE	SITE
2008.08	Jebel Ali "M"	PRESSURE REGULATION GLOBE VALVE	300LB	3"	DUBAI, UAE
2008. 01	Jebel Ali "M"	BALL VALVE & POV & MOV	150 LB ~ 600 LB	1/2" ~ 26"	DUBAI, UAE
2008. 05	Hyundai motors	MOTOR BALL VALVE	300 LB	6" ~ 10"	SEOUL, KOREA
2008. 04	MARAFIQ IWPP	3 WAY-BALL VALVE, etc.(MOV)	150 LB	3"	Saudi Arabia
2008. 04	Seo Heung Metal Co.,Ltd.	FORGED BALL VALVE	150 LB ~ 800 LB	1/2" ~ 2"	KOREA
2008. 03	WISE ENGINEERING	BALL VALVE (KGSC Stamp)	150 LB ~ 1500 LB	1/2" ~ 3"	INCHEON LNG
2008. 03	Seo Heung Metal Co.,Ltd.	BALL & PLUG VALVE	150 LB ~ 600 LB	3/4" ~ 2"	Chile
2008. 03	NEUVA/DOOSAN/SAMSHIN	MOTOR BALL VALVE	150 LB ~ 600 LB	2" ~ 6"	DUBAI, UAE
2008. 03	LPG GAS STATION	GLOBE, CHECK, BALL VALVE	20K	2" ~ 6"	Vietnam
2008. 02	KOC FMP / SKEC	FORGED BALL VALVE	800 LB	~ 2"	Kuwait
2008. 02	JGC / TPS	BALL VALVE	150 LB	2"	JAPAN
2008. 02	AL WAHA PO / KUMWOO	BALL VALVE	300 LB	~ 3"	IRAN
2008. 01	New FCC / SKEC	LINED PLUG VALVE	150 LB	~ 4"	ULSAN, KOREA
2008. 01	AMMAN/DOOSAN/SAMSHIN	MOTOR BALL VALVE	150 LB ~ 600 LB	4" ~ 12"	Jordan

Experience

DATE	PROJECT NAME/USER	ITEM	CLASS	SIZE	SITE
2007. 11	KOLON	NEEDLE VALVE	5000 PSI	1/2"	DAEGU, KOREA
2007. 11	SAMSHIN	BALL VALVE	150 LB	8" ~ 10"	PYUNGTAEK, KOREA
2007. 10	Wooljin / SAMSHIN	METAL PLUG VALVE	150 LB ~ 600 LB	1/2" ~ 2"	ULJIN, KOREA
2007. 11	L, MDU, BDO, HPPO, FCC / SKEC	METAL PLUG VALVE, JACKET PLUG	150 LB ~ 600 LB	1/2" ~ 12"	INDONESIA / KOREA
2007. 10	BARKA / SAMSHIN	BALL VALVE	150 LB	3" ~ 12"	IRAN
2007. 10	EVRA / Seo Heung	GATE, GLOBE, CHECK	~ 63K	2 1/2" ~ 8"	JAPAN
2007. 05	RW / Tongyang chem.	BELLOWS GATE, GLOBE VALVE	150 LB ~ 600 LB	2" ~ 8 "	KOREA
2007. 04	KCC / Seo Heung	BALL VALVE	150 LB	2" ~ 3"	KOREA
2007. 03	KOLON	BUFFING BALL VALVE	150 LB ~ 1500 LB	1" ~ 5"	DAEGU, KOREA
2007. 02	Boryong power / Seo Heung	BUTTERFLY & GLOBE VALVE	150 LB	4"	KOREA
2007. 01	Tongyung LNG / Seo Heung	BALL VALVE(AOV)	150 LB ~ 900 LB	~ 3"	KOREA
2007. 01	DESMET / Seo Heung	GATE BELLOWS VALVE etc.	150 LB ~ 600 LB	1/2" ~ 14"	Italy
2006. 12	Seo Heung Metal Co.,Ltd.	PNEUMATIC & FORGED BALL VALVE etc	150 LB ~ 1500 LB	1/2" ~ 14"	KOREA
2006. 11	KCC S-2 / Seo Heung	METAL BALL VALVE etc	150 LB ~ 300 LB	1 1/2" ~ 18"	KOREA
2006. 11	Tongyung LNG / Seo Heung	FORGED BALL VALVE	800 LB	1/2" ~ 2"	KOREA

Experience

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2006. 11	Pyungtak LNG / Seo Heung	FORGED BALL VALVE	800 LB	1/2" ~ 2"	KOREA
2006. 08	Kwang yang LNG / Seo Heung	FORGED BALL VALVE	800 LB ~ 1500 LB	1/2" ~ 2"	KOREA
2006. 06	WISE ENGINEERING	BALL VALVE (KGSC Stamp)	150 LB ~ 1500 LB	1/2" ~ 3"	LNG, KOREA
2006. 05	Hadong power / Seo Heung	BUTTERFLY & BALL VALVE	150 LB	14"	KOREA
2006. 05	Jeju power / Seo Heung	PNEUMATIC BALL VALVE	150 LB	2"	KOREA
2006. 05	Dangjin power / Seo Heung	BALL VALVE	150 LB	12"	KOREA
2006. 05	POSCO / SAMWON SERA ENG'G	BALL, GATE, Y-STRAINER VALVE	150 LB ~ 600 LB	1/2" ~ 1"	KOREA
2006. 03	TANJUNG BIN / Seo Heung	BALL VALVE	150 LB	1" ~ 3"	JAPAN
2006. 01	Tongyung LNG / SAMWON	BALL, GATE, Y-STRAINER VALVE	150 LB ~ 600 LB	1/2" ~ 1"	KOREA
2006. 01	KOLON	BELLOWS GATE, GLOBE VALVE	800 LB	1/2" ~ 2"	KOREA
2006. 01	Wooljin nuclear / SINWOO	HIGH PRESSURE GLOBE VALVE	4500 LB	1/2"	KOREA
2005. 12	Pyungtak LNG / Seo Heung	FORGED BALL VALVE	800 LB	1/2" ~ 2"	KOREA
2005. 12	Seo Heung Metal Co.,Ltd.	PLUG & BALL VALVE etc	150 LB ~ 1500 LB	1/2" ~ 14"	KOREA
2005. 12	Dangjin power / Seo Heung	BALL VALVE	150 LB	1/2" ~ 4"	KOREA
2005. 12	Taeon power / Seo Heung	BALL VALVE	150 LB	1/2" ~ 4"	KOREA
2005. 11	Tongyung LNG / SAMWON	BALL, GATE, Y-STRAINER VALVE	150 LB ~ 600 LB	1/2" ~ 1"	KOREA
2005. 10	Jeju power / Seo Heung	DUPLEX BALL VALVE	150 LB	1/2" ~ 4"	KOREA

Experience

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2005. 09	POSCO / Seo Heung	BALL VALVE, POV	150 LB ~ 300 LB	1/2" ~ 1"	KOREA
2005. 08	TANJUNG BIN / Seo Heung	PLUG & BALL VALVE etc	150 LB ~ 600 LB	1/2" ~ 1"	JAPAN
2005. 06	POSCO E&C / Seo Heung	TOP ENTRY BALL VALVE etc	150 LB ~ 600 LB	1/2" ~ 8"	KOREA
2005. 06	NRC / SKEC	PLUG VALVE(N2 Purge)	150 LB	1/2" ~ 2"	KOREA
2005. 05	BANGHAZI / SAMWON	FORGED BALL VALVE	150 LB ~ 800 LB	1/2" ~ 2"	BANGHAZI
2005. 05	NRC / SKEC	PLUG VALVE	150 LB	2" ~ 24"	KOREA
2005. 05	Yungdong power / Seo Heung	CARBON SEAT BALL VALVE	600 LB	3/4"	KOREA
2005. 04	POSCO E&C / Seo Heung	PNEUMATIC BALL VALVE etc	150 LB ~ 600 LB	1/2" ~ 4"	KOREA
2005. 04	Hannong H-Project / Seo Heung	BALL VALVE etc	150 LB ~ 800 LB	1/2" ~ 8"	KOREA
2005. 02	Seo Heung Metal Co.,Ltd.	BALL & PLUG VALVE etc	150 LB ~ 600 LB	1/2" ~ 4"	KOREA
2004. 01	Seo Heung Metal Co.,Ltd.	PLUG & BALL VALVE etc	150 LB ~ 1500 LB	1/2" ~ 18"	KOREA
2003. 12	KCC S-1 / Seo Heung	CARBON SEAT BALL VALVE etc	150 LB ~ 300 LB	1 1/2" ~ 18"	KOREA
2003. 11	Daewoo ENG'G	GATE, GLOBE, CHECK VALVE	150 LB ~ 800 LB	1/2" ~ 2"	KOREA
2003. 09	Daewoo shipping	BALL VALVE etc	150 LB ~ 800 LB	1/2" ~ 2"	KOREA