



# **HAN YANG VALVE**

*HAN YANG VALVE IND. Co., Ltd.*

## **Company Profile**

### **HANYANG VALVE IND. CO., LTD.**

## 2. History

- Jul.1988. Established
- Feb1999. Acquired ISO9001

1990's

- Nov.2005. Acquired ISO14001
- Jun.2006. Acquired LR TYPE APPROVAL
- Dec.2008. Acquired Single PPM
- Oct.2009. Acquired CE
- Mar.2010. Acquired INNO-BIZ
- Apr.2010. Selected Venture company
- Jun.2011. Acquired ABS Type approval

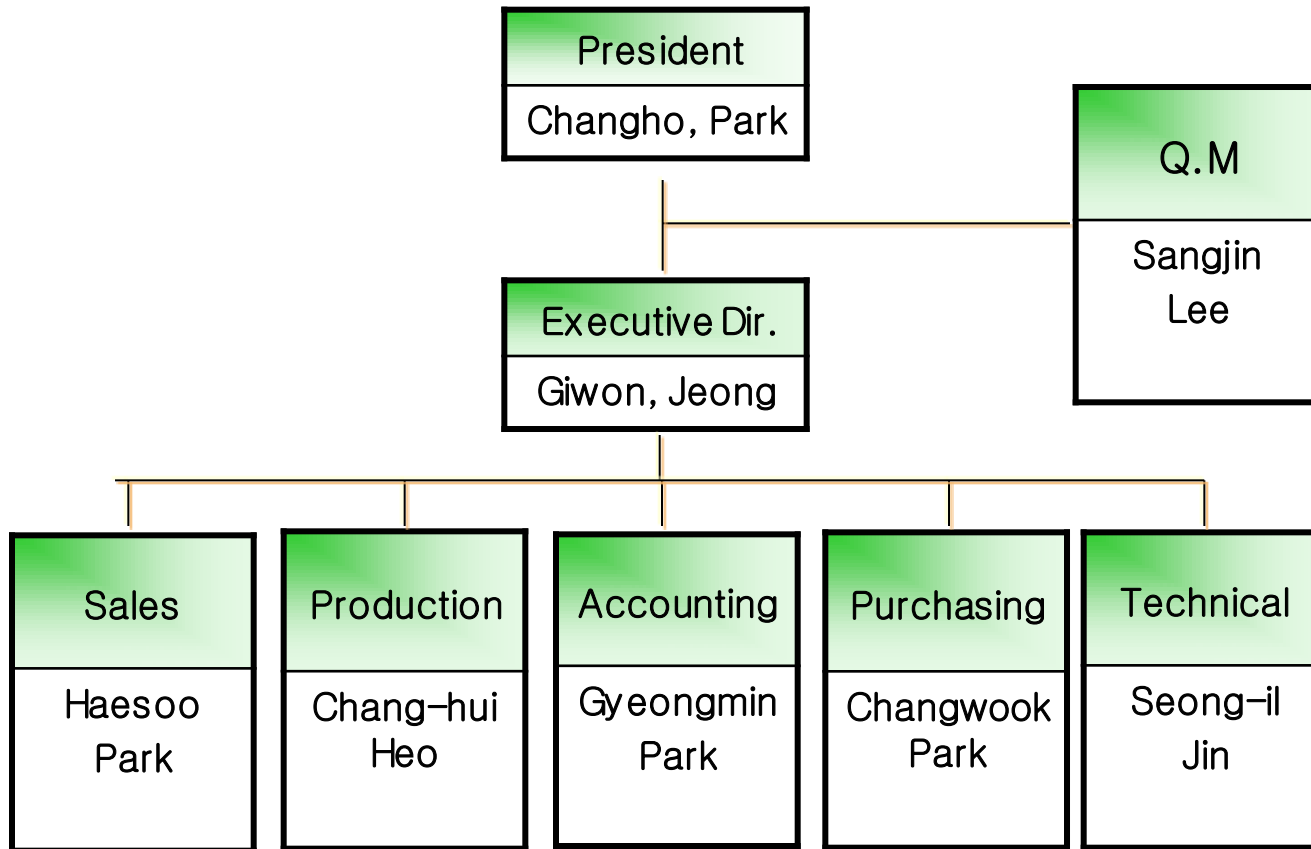
2000's

- Aug.2011. Acquired API 609
- Sep.2011. Acquired DNV Type approval
- Dec.2011 Domestic patent  
(T/C Cut-Out system Butterfly v/v)
- Aug.2012. Acquired NK Type approval
- Oct.2012. Domestic patent  
(Integral Rubber-Disc Butterfly v/v)

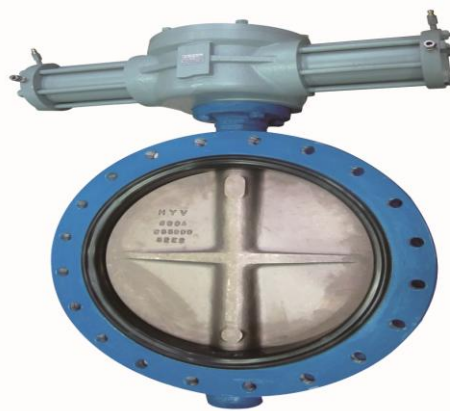
2010's

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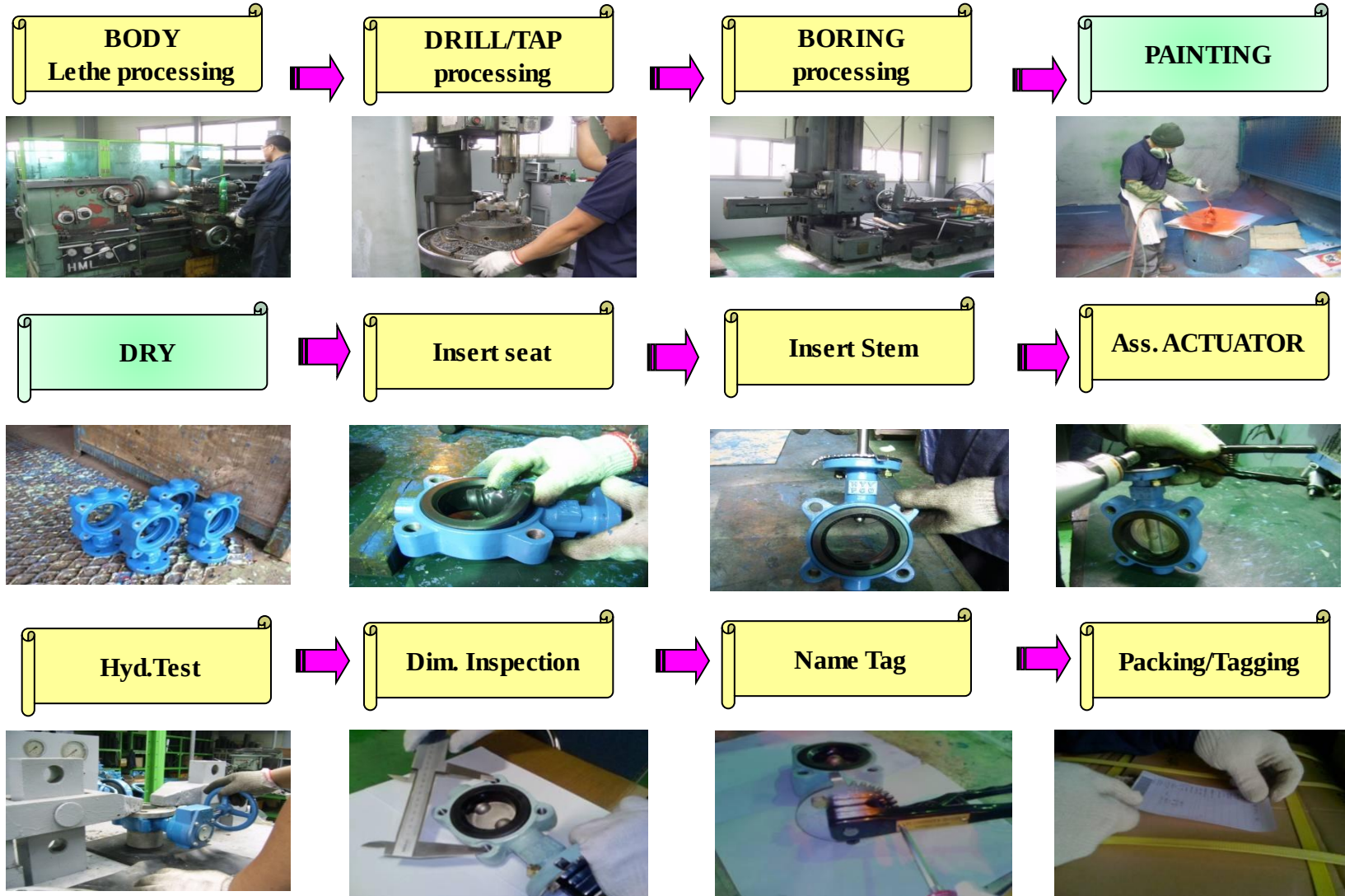
### 3. Organization



## 4. Item Line-up



## 5. Flow Chart



## 6. Equipment

### 6-1. Produce Equip.

| No. | name              | Standard           | No | Manf.         | Year of install |
|-----|-------------------|--------------------|----|---------------|-----------------|
| M-1 | Lethe             | 720*2000 *5        | 5  | Korea Machine | 1994-2000       |
| -2  | Milling           | No2. *2            | 2  | MAKINO        | 2008-2013       |
| -3  | Boring            | Ø100*1250*100<br>0 | 1  | Nippon        | 2001            |
| -4  | Radial            | 2500*1200 *3       | 3  | Nippon        | 1998-2012       |
| -5  | Drill             | 720 *3             | 3  | Chun-il       | 1998-2001       |
| -6  | Tapping           | 580 *2             | 2  | Woochang      | 1998-2011       |
| -7  | Grinder           | 3450RPM            | 1  | Samji         | 2007            |
| -8  | Compressor        | 7.5HP *2           | 2  | GN Tech       | 2007-2012       |
| -9  | Hoist             | 5TON *4            | 4  | K.CRANE       | 2010            |
| -10 | O2 cutter         | 5kg/cm2            | 1  | Dongwon       | 1997            |
| -11 | H-speed cutter    | 2200 rpm/5HP       | 1  | Yongsoo       | 2013            |
| -12 | E.Welding machine | 10K220V            | 1  | Daelim        | 1997            |
| -13 | Turning           | ~700A              | 1  | JAPAN         | 2010            |
| -14 | Duct              | 3HP, 3500rpm       | 1  | MJ tech       | 2009            |

### 6-2. Inspection Equip.

| NO  | name              | Standard      | No | Manf.    | Calibration         |      |
|-----|-------------------|---------------|----|----------|---------------------|------|
|     |                   |               |    |          | Date of Calibration | Insp |
| I-1 | Vernier Callipers | 0~600mm       | 6  | MITUTOYO | 2013. 8.14          | CTN  |
| -2  | Film Thickness    | 0~500 $\mu$ m | 1  | MITUTOYO | 2013. 8.14          | CTN  |
| -3  | Calliper gauge    | 0~130mm       | 2  | Peacock  | 2013. 8.14          | CTN  |
| -4  | Dial gauge        | 0~10mm        | 2  | MITUTOYO | 2013. 8.14          | CTN  |
| -5  | I.micrometer      | 0~175mm       | 3  | MITUTOYO | 2013. 8.14          | CTN  |
| -6  | O.micrometer      | 0~325mm       | 9  | MITUTOYO | 2013. 8.14          | CTN  |
| -7  | Cylinder gauge    | 0~400mm       | 5  | MITUTOYO | 2013. 8.14          | CTN  |
| -8  | Manometer         | 0~14.71 Mpa   | 4  | WOOJIN   | 2013. 8.14          | CTN  |
| -9  | Torque Wrench     | 0~833.6 N.m   | 1  | KANON    | 2013. 8.14          | CTN  |
| -10 | Brinell tester    |               | 1  | TK Tech  | 2013. 8.14          | CTN  |
| -11 | Hyd. Tester       | 40A~600A      | 1  |          | 2013. 8.14          | CTN  |
| -12 | VALVE TEST M/C    | ~1500A        | 1  | DW       | 2013. 8.14          | CTN  |
| -13 | Vacuum unti       | LOVD-90       | 1  | Woosung  |                     |      |
| -14 | PMI Tester        | S1 TITAN LE   | 1  | Bruker   |                     |      |
| -15 | Pinhole Tester    | ~7500 $\mu$ m | 1  | HOLITECH |                     |      |

## 7. Material Range

| Part | Material                                                                         |
|------|----------------------------------------------------------------------------------|
| Body | FC200/FCD450/SC480/SCS13,14,16/DUPLEX/S.DUPLEX/<br>ALLOY/TITANIUM/MONEL and ETC. |
| Disc | FC200/FCD450/SC480/SCS13,14,16/DUPLEX/S.DUPLEX/<br>ALLOY/TITANIUM/MONEL and ETC. |
| Seat | NBR/EPDM/VITON/PTFE/R-PTFE/METAL                                                 |
| Stem | SUS410/SUS304,316,316L/MONEL/17-4PH and ETC                                      |

## 8. REFERENCE

| NO | CUSTOMER           | PROJECT                           | RATING/ITEM            | DATE         |
|----|--------------------|-----------------------------------|------------------------|--------------|
| 1  | Al-TUWAIRQI        | Al-TUWAIRQI GROUP(Saudi)          | 300P/72" 48PCS         | Nov.<br>2008 |
| 2  | Marubeni           | Batti Fertilizer Rehab.(Saudi)    | 150~300P/48" 2PCS      | Feb.<br>2011 |
| 3  | Hyundai H.I.       | Panama Power-plant                | 125~600P/ 10~72" 41PCS | Mar.<br>2012 |
| 4  | Jurong Shipyard    | OSX3-FPSO                         | 150P/3~24" 131PCS      | Apr.<br>2012 |
| 5  | Singapore<br>D.C.S | District Cooling Plant No.2       | 150P/2~40" 264PCS      | May.<br>2012 |
| 6  | POSCO              | Indonesia ISM Power-plant         | 150p/2"~16" 25PCS      | Jul.<br>2012 |
| 7  | POSCO              | Waterworks #4 Heating<br>Pressure | 10K/50~1000A 491PCS    | Nov.<br>2012 |

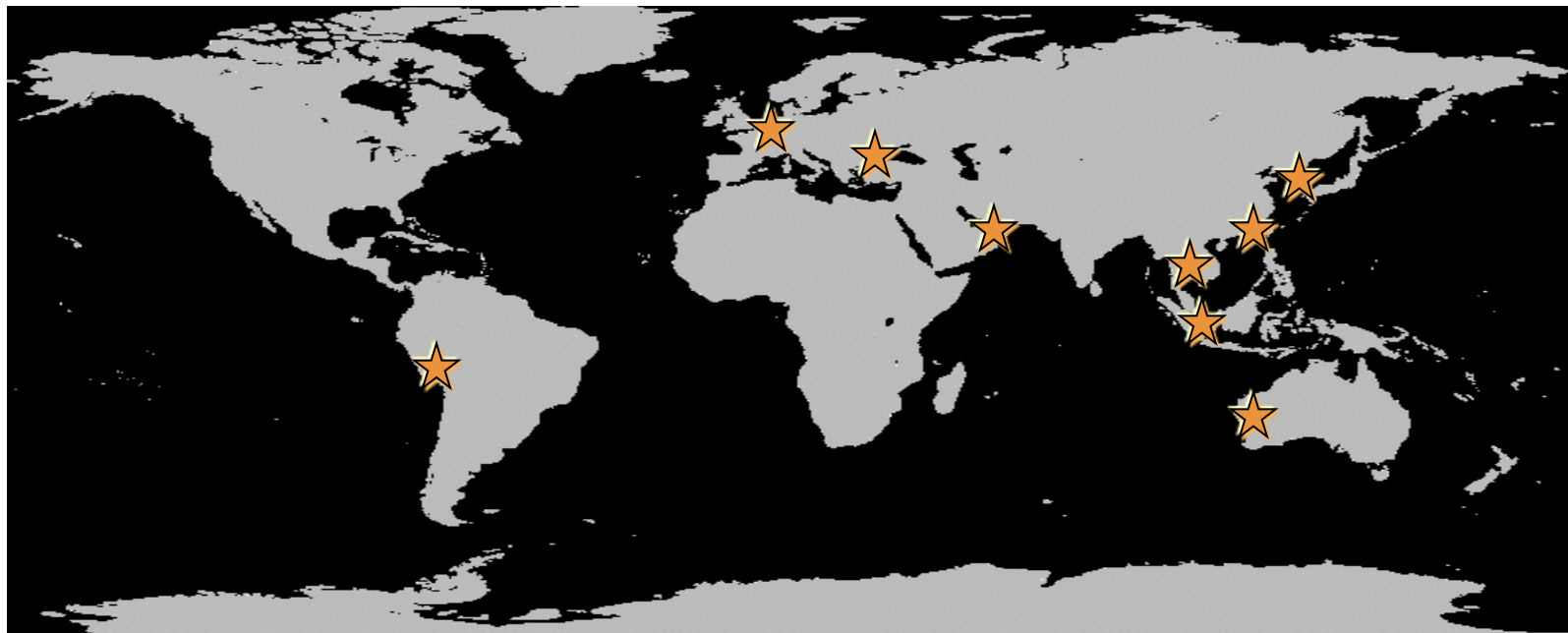
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| NO | CUSTOMER        | PROJECT                                      | RATING/ITEM        | DATE         |
|----|-----------------|----------------------------------------------|--------------------|--------------|
| 8  | Chevron         | Singapore Expension Project                  | 150P/20~42" 12PCS  | Jan.<br>2013 |
| 9  | GS E&C          | Indonesia RFCC project                       | 150P/3~48" 75PCS   | Feb.<br>2013 |
| 10 | Hyundai H.I     | Iraq Power-Plant Project                     | 5K/ 150~750A 54PCS | Jun.<br>2013 |
| 11 | POSCO           | Brazil CSP Project                           | 150P/12~72" 49PCS  | Jul.<br>2013 |
| 12 | POSCO           | Brazil CSP Project                           | 150P/24~72" 15PCS  | Aug.<br>2013 |
| 13 | GS E&C          | Indonesia RFCC project 2nd                   | 150P/6~32" 25PCS   | Oct.<br>2013 |
| 14 | Iran C.Facility | Chemical Facility<br>(inconell/Monel triple) | 150P/3~30" 17PCS   | Jan.<br>2014 |

## 8. REFERENCE

| NO | CUSTOMER                  | PROJECT                               | RATING/ITEM          | DATE         |
|----|---------------------------|---------------------------------------|----------------------|--------------|
| 15 | Santos Co.<br>(Australia) | Australia Dredger ship                | PN6/1000A 16PCS      | Jan.<br>2014 |
| 16 | POSCO                     | Brazil CSP Project/<br>CCM Facility   | 150P/2''~72'' 258PCS | Mar.<br>2014 |
| 17 | Golden Group<br>(Germany) | Iraq Facility<br>(B148 c95800/Triple) | 150P/6~56'' 145PCS   | Mar.<br>2014 |
| 18 | Modec<br>(Singapore)      | FPSO project<br>(Triple/Duplex)       | 150P/6''~44'' 32PCS  | Mar.<br>2014 |
| 19 |                           |                                       |                      |              |
| 20 |                           |                                       |                      |              |
| 21 |                           |                                       |                      |              |

## 9. Clients



|           |         |            |           |  |
|-----------|---------|------------|-----------|--|
| Triveca   | Peru    | Interflow  | Thailand  |  |
| Valve Co. | Holland | Sea_Land   | China     |  |
| Atlas M.V | Turkey  | Santos Co. | Australia |  |
| Drydock   | Dubai   | L.F.A      | Singapore |  |



## 9. Clients



### Domestic Customer

1. Hyundai heavy Ind.
2. Doosan Engine
3. STX heavy Ind. / Engine
4. POSCO Steel / POSCO E&C
5. Hyundai Steel
6. KEPCO ( Korea Power Eng. Co.)
7. K water

### Oversea Customer

1. Modec (FPSO)
2. Jurong shipyard
3. Keppel shipyard
4. Dubai Drydock
5. Oman Drydock
6. Hankook Eng

## 10. Certificates

Quality Management System

### CERTIFICATE OF APPROVAL

No. 011-01697-Q

This is to certify that the Quality Management System at

**한양밸브공업 (주)**

of

부산광역시 강서구 화전동 화전산업단지 115-7블럭

has been examined by assessors of QMS Certification Services  
and found to be conforming to the requirements of :

**ISO 9001:2008**  
**Quality Management Systems**

in respect of the following activities:

주강플랜지 밸브(게이트,글로브,스윙체크), 선박용 밸브  
(게이트,글로브,앵글), 주철 밸브(게이트,글로브),  
수도용 버터플라이 밸브 및 버터플라이 밸브  
(웨이퍼용 고무불이)의 설계, 개발, 생산

This certificate is valid from 3rd January 2011 to 3rd January 2014  
Original certification date: 3rd January 1999

  
 Gerry Bonnar, CPEng, BEng, FIE Aust, President/CEO  
 Approval: QMS Certification Services Pty Ltd  
 To verify the validity of this certificate please visit [www.jas-anz.org/register](http://www.jas-anz.org/register)

  
QMS Certification Services  
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68 York St, Launceston  
Tasmania 7250 Australia

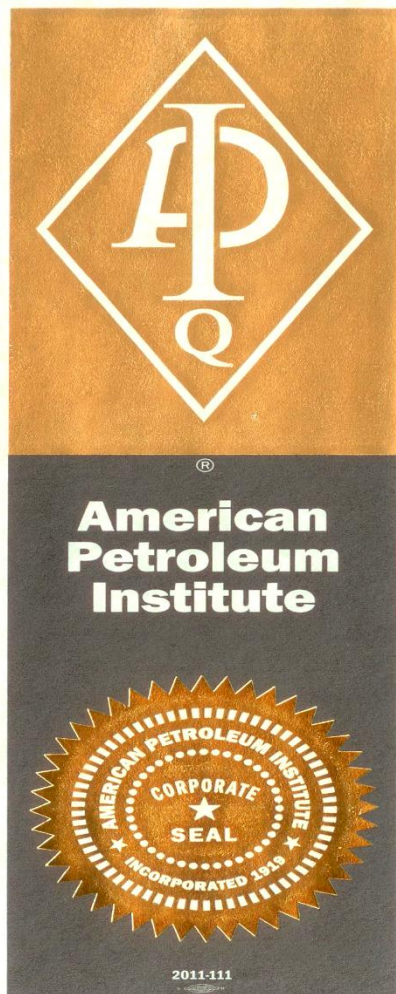




  
APPROVED COMPANY  
ISO 9001  
Quality Management Systems  
QMS

Accreditation Number S1410994MA

## 10. Certificates



### Certificate of Authority to use the Official API Monogram

**License Number:** 609-0049

**ORIGINAL**

The American Petroleum Institute hereby grants to

**HANYANG VALVE IND. CO., LTD.**  
**598-16, Hwajeon-Dong**  
**Gangseo-Gu, Busan**  
**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 Standard 609** 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: **609-0049**

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.

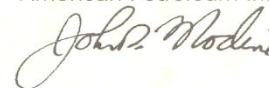
The scope of this license includes the following products: Butterfly Valves - Category A; Butterfly Valves - Category B

QMS Exclusions: No Exclusions Identified as Applicable

**Effective Date:** AUGUST 4, 2011  
**Expiration Date:** AUGUST 4, 2014

To verify the authenticity of this license, go to [www.api.org/compositelist](http://www.api.org/compositelist).

American Petroleum Institute



Director of Global Industry Services



## 10. Certificates

**특 허 증**  
CERTIFICATE OF PATENT

특 허 제 10-1099801 호 출원번호 제 2011-0072408 호  
(PATENT NUMBER) (APPLICATION NUMBER) 2011년 07월 20일  
출원일 (FILING DATE) (YY/MM/DD)  
등록일 (REGISTRATION DATE) (YY/MM/DD) 2011년 12월 21일

발명의명칭 (TITLE OF THE INVENTION)  
선박용 대형엔진의 터보차저 컷-오프용 디스크밸브

특허권자 (PATENTEE)  
한양밸브공업 주식회사( 180111-0\*\*\*\*\* )  
부산시 강서구 화전동 598-16

발명자 (INVENTOR)  
박창호( 530915-1\*\*\*\*\* )  
부산시 사상구 엄궁동 683-3 엄궁2차한신아파트 208-1204

위의 발명은 「특허법」에 의하여 특허등록원부에 등록  
되었음을 증명합니다.  
(THIS IS TO CERTIFY THAT THE PATENT IS REGISTERED ON THE REGISTER OF THE KOREAN  
INTELLECTUAL PROPERTY OFFICE.)

2011년 12월 21일

**특 허 증**  
CERTIFICATE OF PATENT

특 허 제 10-1099918 호 출원번호 제 2011-0072042 호  
(PATENT NUMBER) (APPLICATION NUMBER) 2011년 07월 19일  
출원일 (FILING DATE) (YY/MM/DD)  
등록일 (REGISTRATION DATE) (YY/MM/DD) 2011년 12월 21일

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한양밸브공업 주식회사( 180111-0\*\*\*\*\* )  
부산시 강서구 화전동 598-16

발명자 (INVENTOR)  
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부산시 사상구 엄궁동 683-3 엄궁2차한신아파트 208-120

위의 발명은 「특허법」에 의하여 특허등록원부에 등록  
되었음을 증명합니다.  
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2011년 12월 21일

**특 허 증**  
CERTIFICATE OF PATENT

특 허 제 10-1100022 호 출원번호 제 2011-0072409 호  
(PATENT NUMBER) (APPLICATION NUMBER) 2011년 07월 20일  
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03 9/2

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2011년 12월 21일



연차등록료 납부일은 출원일 이후 4년차부터 매년 12월 21일까지이며 등록원부로부터 권리관계를 확인합니다.

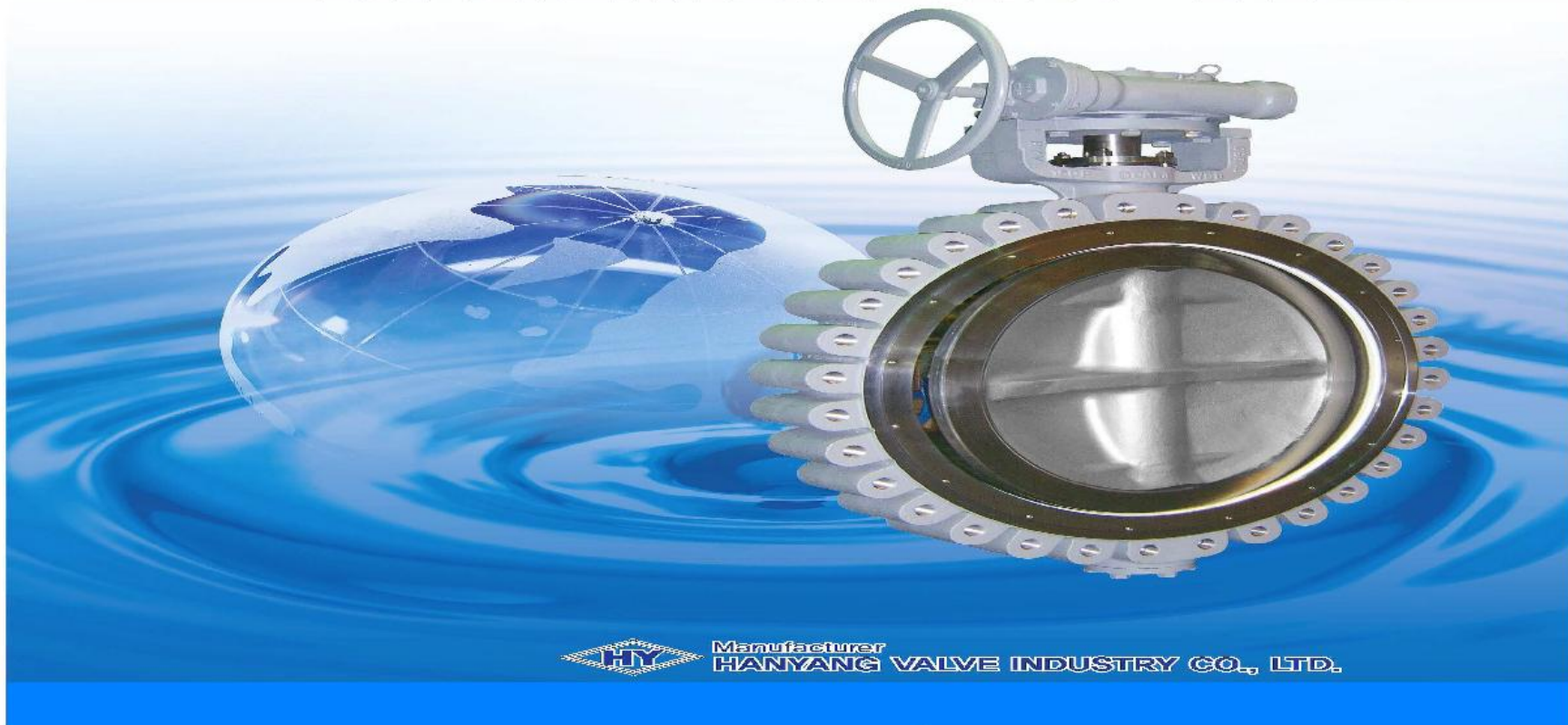


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# **HANYANG** **BUTTERFLY | VALVE**



Manufacturer  
**HANYANG VALVE INDUSTRY CO., LTD.**