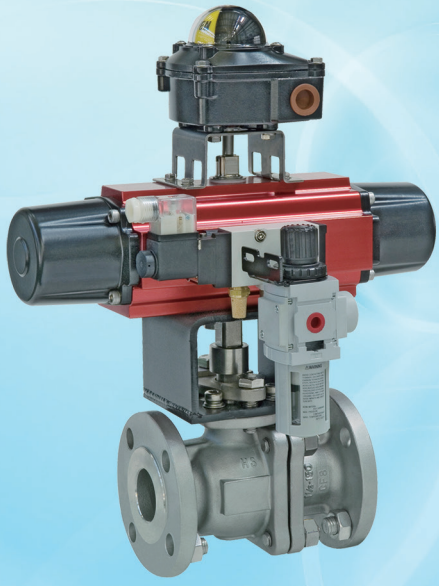
since 1987 | KOSDAQ 코스닥상장법인

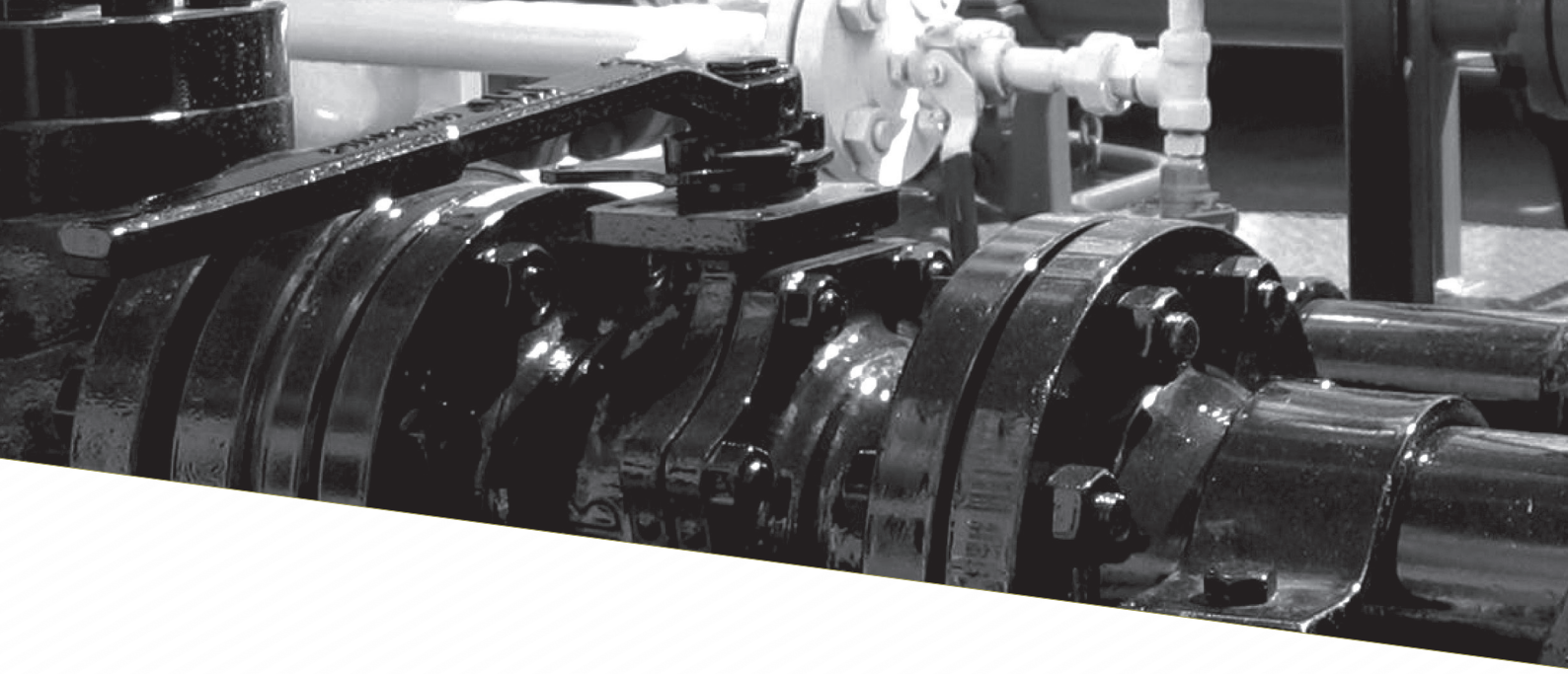
HWA SUNG VALVE

PNEUMATIC VALVE
DT-DA / DT-SR SERIES
ELECTRIC VALVE
SE / PE SERIES



※ 본 카탈로그는 참고용이므로 승인용으로 사용하실 수 없습니다.

화성밸브



HWA SUNG VALVE

The leading valve manufacturer

Company Profile

은탑산업훈장 수훈(지식경제부 신기술실용화촉진대회)
동탑산업훈장 수훈(대한민국가스안전대상)

1987~1990

1987. 03 화성산업사 설립
1987. 04 주식회사 화성 법인설립

1991~2000

1996. 12 96중소기업대상 수상(대구광역시장)
1997. 11 가스안전촉진대회 대통령상 표창 수상
1998. 09 대구은행 유망중소기업지정
1999. 09 벤처기업선정-제19991324439-255호
1999. 10 신기술실용화대회 대통령표창 수상
1999. 11 '99 대구 중소기업인대회 표창장 수상
2000. 02 기술경쟁력 우수기업 지정
2000. 03 코스닥증권시장 상장

2001~2010

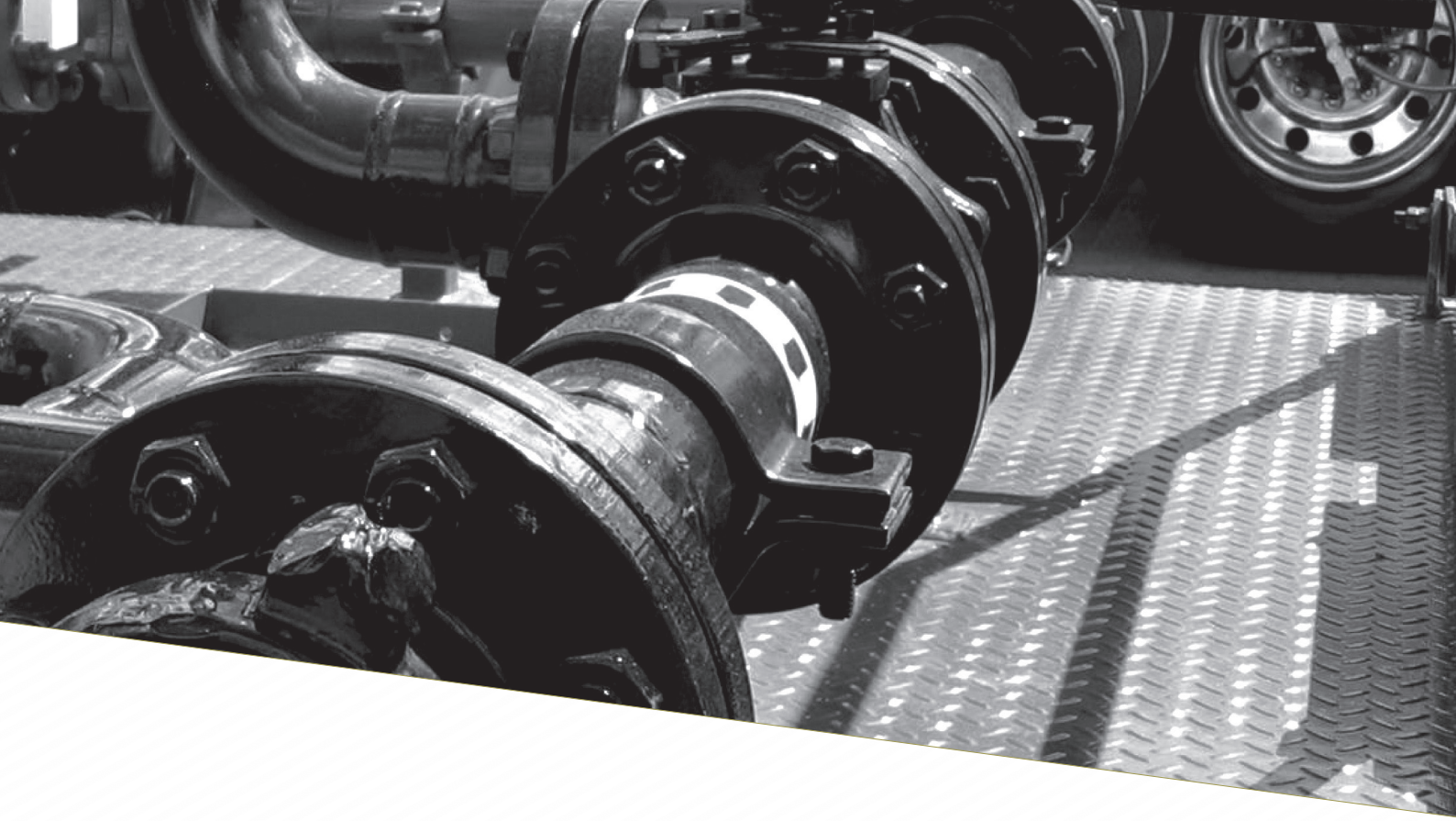
2001. 02 매몰용접형 볼밸브 특허등록 (특허제0290278호)
2001. 10 우량기술기업선정-기술신용보증기금
2001. 11 신기술실용화 대통령표창 수상
2003. 03 조세의 날 경제부총리표창

2001~2010

2003. 06 가스안전촉진대회 가스안전유공자포상
2004. 07 상북도지정 세계일류화중소기업 선정
2006. 11 산업자원부 신기술실용화촉진대회 은탑산업훈장 수훈

2011~

2011. 03 국민은행 국민베스트기업 선정
2011. 11 경산 진량공단 제3공장 준공
2012. 03 관 이음매 디자인등록(등록 제30-0637159호)
2012. 05 벤트밸브 일체형 밸브체 특허등록 (특허제10-1144017호)
2012. 06 접촉 면압 조절형 밸브 특허등록 (특허제10-1156108호)
2013. 03 경산 진량공단 제3공장 증축
2013. 05 "대한민국 가스안전대상" 동탑산업훈장 수훈
2014. 07 기술혁신형 중소기업(INNOBIZ) 인증
2014. 12 스테인리스 강제 용접식 플랜지(KS B 1506)인증서 획득
2015. 10 접촉 면압 조절형 밸브 중국 특허등록 (201210359257.7)
2015. 10 쿠웨이트 국영석유공사 "KNPC" 벤더등록
2016. 08 캠형식의 가스누설 점검밸브가 구비된 가스배관 중간밸브 특허등록
2016. 08 압축실린더식 점검밸브가 구비된 가스배관 중간밸브 특허등록
2016. 10 가스누설 점검밸브가 구비된 가스배관 중간밸브 특허등록
2016. 10 슬라이드식 점검밸브가 구비된 가스배관 중간밸브 특허등록



CERTIFICATE

The Certification Body
of TÜV SÜD Asia Pacific TÜV SÜD Group
certifies that

HS VALVE CO.,LTD.
222, Gongdan 8-ro, Jillyang-eup
Gyeongsan-si, Gyeongsangbuk-do, 712-837, Korea

has established and applies
a Quality Management System for

Design, Development, Production and Servicing of Industrial and
Pipeline Valves and Flanges
(Include Ball Valves, Cast Steel Flanged Valves,
Stainless Steel Welding Flanges)

An audit was performed, Report No. 20042411
Proof has been furnished that the requirements
according to

ISO 9001:2008

are fulfilled. The certificate is valid until 2017-06-30
Certificate Registration No. TUV100 01 2216
2016-02-26

Certification Body
of TÜV SÜD Asia Pacific
TÜV SÜD Group

JAS-ANZ IAF

ZERTIFIKAT ◆ CERTIFICATE ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Certificate of Authority to use the Official API Monogram

License Number: 6D-0308 ORIGINAL

The American Petroleum Institute hereby grants to

HS VALVE CO., LTD.
222, Gongdan8-Ro Jillyang-Eup
Gyeongsan-Si, Gyeongsangbuk-Do
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-6D and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: 6D-0308

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: Ball Valves, Check Valves and Gate Valves

QMS Exclusions: No Exclusions Identified as Applicable

Effective Date: JUNE 30, 2014
Expiration Date: JUNE 30, 2017

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

American Petroleum Institute
Vice President, Global Industry Services

American Petroleum Institute
2014-134

CERTIFICATE

The Certification Body
of TÜV SÜD Asia Pacific TÜV SÜD Group
certifies that

HS VALVE CO.,LTD.
222, Gongdan 8-ro, Jillyang-eup
Gyeongsan-si, Gyeongsangbuk-do, 712-837, Korea

has established and applies
an Environmental Management System for

Design, Development, Production and Servicing of Industrial and
Pipeline Valves and Flanges
(Include Ball Valves, Cast Steel Flanged Valves,
Stainless Steel Welding Flanges)

An audit was performed, Report No. 20042411
Proof has been furnished that the requirements
according to

ISO 14001:2004

are fulfilled. The certificate is valid until 2018-06-13
Certificate Registration No. TUV104 01 2216
2016-02-26

Certification Body
of TÜV SÜD Asia Pacific
TÜV SÜD Group

JAS-ANZ IAF

ZERTIFIKAT ◆ CERTIFICATE ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV NORD

CERTIFICATE

Conformity based on full quality assurance
according to directive 2014/68/EU

Certificate No.: 07/202/9160/Z/20603/17/D/004

Name and address of manufacturer: HS VALVE CO., LTD.
222, Gongdan 8-ro, Jillyang-eup, Gyeongsan-si
Gyeongsangbuk-do, Korea

We hereby certify that the manufacturer has established a **quality system** for the manufacturing of pressure equipment according to directive 2014/68/EU. The manufacturer is entitled to mark the pressure equipment produced within the range of the quality system with the following mark:

CE 0045

Tested according to 2014/68/EU: Module H
Audit report No.: 9160/P/0603/17/D/004
Range of products: Design and Manufacturing of Industrial Valves
(Detail of the scope is mentioned in the annex of the certificate)

Place of manufacture: 222, Gongdan 8-ro, Jillyang-eup, Gyeongsan-si
Gyeongsangbuk-do, Korea

This certificate is valid until: 04/2020

Hamburg, 31. 04. 2017

Notified Body (0045)
for pressure equipment

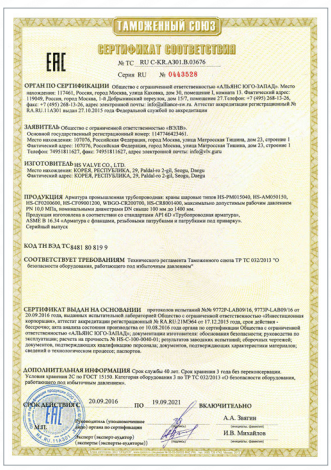
Dipl.-Ing. Arne Wilt
TÜV NORD Systems GmbH & Co. KG
Große Bahnstraße 31, D-22525 Hamburg

Annex 1: detail certification scope

Region: Technikzentrum

Tel: +49-(0)-40 8557 2020
Fax: +49-(0)-40 8557 2135
e-mail: audit@tuev-nord.de

Mitglied der



ТАМОЖЕННЫЙ СОЮЗ

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ ТС RU C-KR.A301.B.03676

Серия RU № 0443528

ОРГАН ПО СЕРТИФИКАЦИИ Общество с ограниченной ответственностью «АЛЬЯНС ЮГО-ЗАПАД». Место нахождения: 117461, Россия, город Москва, улица Керченская, дом 30, помещение I, комната 13. Фактический адрес: 119049, Россия, город Москва, 1-й Добрынинский переулок, дом 15/7, помещение 27 Телефон: +7 (495) 268-12-26, факс: +7 (495) 268-13-26, адрес электронной почты: info@alliance-on.ru. Аттестат аккредитации регистрационный № RA.RU.11АЖ01 выдан 27.10.2015 года Федеральной службой по аккредитации

ЗАЯВИТЕЛЬ Общество с ограниченной ответственностью «ВЭЛЬВ». Основной государственный регистрационный номер: 1147746423461. Место нахождения: 107076, Российская Федерация, город Москва, улица Матросская Тишина, дом 23, строение 1 Фактический адрес: 107076, Российская Федерация, город Москва, улица Матросская Тишина, дом 23, строение 1 Телефон: 7495181827, факс: 7495181827, адрес электронной почты: info@vlb.pro

ИЗГОТОВИТЕЛЬ HS VALVE CO., LTD. Место нахождения: КОРЕЯ, РЕСПУБЛИКА, 29, Pahlal-ro 2-gil, Songu, Daegu Фактический адрес: КОРЕЯ, РЕСПУБЛИКА, 29, Pahlal-ro 2-gil, Songu, Daegu

ПРОДУКЦИЯ Арматура промышленная трубопроводная: краны шаровые типов HS-PM015040, HS-AM050150, HS-CF020600, HS-CF050601200, WBGO-CR200700, HS-CRB001400, максимально допустимым рабочим давлением PN 10,0 МПа, номинальными диаметрами DN свыше 100 мм до 1400 мм. Продукция изготовлена в соответствии со стандартами API 6D «Трубопроводная арматура», ASME B 16.34 «Арматура с фланцами, резьбовыми патрубками и патрубками под приварку». Серийный выпуск

КОД ТН ВЭД ТС 8481 80 819 9

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ Технического регламента Таможенного союза ТР ТС 032/2013 "О безопасности оборудования, работающего под избыточным давлением"

СЕРТИФИКАТ ВЫДАН НА ОСНОВАНИИ протоколов испытаний №№ 9772P-LAB0916, 9773P-LAB0916 от 20.09.2016 года, выданных испытательной лабораторией Общество с ограниченной ответственностью «Инвестиционная корпорация», аттестат аккредитации регистрационный № RA.RU.21МЭ66 от 17.12.2015 года, срок действия - бессрочно; акта анализа состояния производства от 10.08.2016 года органа по сертификации Общества с ограниченной ответственностью «АЛЬЯНС ЮГО-ЗАПАД»; документации изготовителя: обозначения безопасности, руководства по эксплуатации; расчета на прочность № HS-C-300-0040-01; результатов заводских испытаний, оборотных чертежей; схем, перечня элементов, влияющих на безопасность; паспортов, инструкционных характеристик материалов; сведений о технологическом процессе; паспорта.

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Срок службы 40 лет. Срок хранения 3 года без переконсервации. Условия хранения 2С по ГОСТ 15150. Категория оборудования 3 по ТР ТС 032/2013 «О безопасности оборудования, работающего под избыточным давлением».

СРОК ДЕЙСТВИЯ С 20.09.2016 ПО 19.09.2021 ВКЛЮЧИТЕЛЬНО

Руководитель (уполномоченное лицо) органа по сертификации — А.А. Звягин

Эксперт (эксперт-аудитор) — Н.В. Михайлов

VELOSI INTERNATIONAL KOREA

WAY We Are You

THE WORLDWIDE INSPECTION, EXPEDITING AND PROCUREMENT SPECIALISTS

FIRE TEST CERTIFICATE

Certification No. : FTC-HSVALVE-20140112-BALL036
Ref. Test Report No.: HS2-131224-36

This is to certify that the below materials have been inspected by Velosi Korea and found to be satisfactory in the Fire Test in accordance with API 607, sixth edition / EN ISO 10497 : 2010(E).

Manufacturer : **HS VALVE CO., LTD.**
Location : 1107-1, Sinsang-Ri, Jinryang-Eup, Gyeongsan-City, Gyeongsangbuk-Do, Korea
Location of Test : 1107-1, Sinsang-Ri, Jinryang-Eup, Gyeongsan-City, Gyeongsangbuk-Do, Korea

1. Description of Test Valve :

Valve Model No.	BTF651080SARW
Type of Test Valve	Ball Valve
Description of Test Valve	Full Bore / Flanged
Valve Size (NPS)	8"
Pressure Rating (ANSI Class)	#1500
Valve Body Material	ASTM A182 F53
Valve Seat Material	DEVLON
Seat Configuration	Symmetric, Bi-directional Service
Valve Weight	800 Kg
Drawing No.	H5FD15A-03
Date of Test	December 24, 2013

2. Qualified Range of Valve :

Qualified Sizes (NPS)	8" and Larger
Qualified Pressure Ratings (ANSI Class)	#1500, #2500
Qualified Valve Material	Duplex

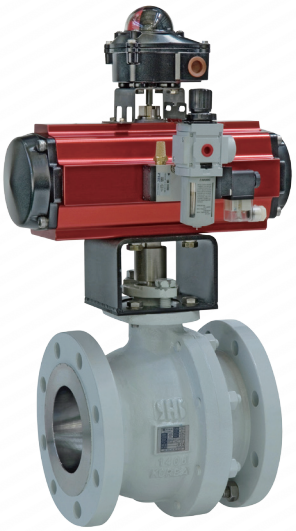
This certificate is issued in accordance with API 607, 6th edition / EN ISO 10497 : 2010(E), based on the result of test report on above mentioned test valve. For detailed report of tested valve, see the Appendix 1 Fire Test Report of this certificate. The additional valve qualification shall be limited on the valves according to para 7 requirements.

Velosi International - Korea
Date : 12th of January 2014

Heo Hyun, Kim
President

HWA SUNG VALVE
PNEUMATIC VALVE

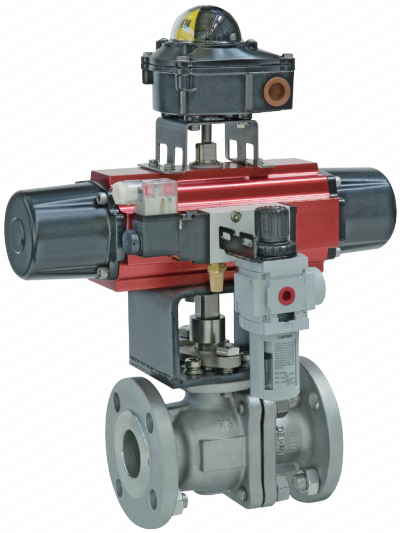
- RUBBER SEAT BUTTERFLY VALVE (Al BODY)
- RUBBER SEAT BUTTERFLY VALVE (FC, FCD BODY)
- HIGH PERFORMANCE BUTTERFLY VALVE (FCD BODY)
- HIGH PERFORMANCE BUTTERFLY VALVE (STS BODY)
- 2-WAY FLANGED BALL VALVE
- 3-PIECE BALL VALVE



Pneumatic Cylinder Actuator

- ▶ 형식 : Double acting & Spring return
- ▶ 조작기 Torque 범위(Double acting 방식 기준)
  Min. 54Nm ~ Max. 3,187 Nm(Air pressure 5.5 Bar 기준)
- ▶ 재질 : Aluminum Die-cast
  구동기 취부 규격 : ISO 5211 표준규격적용(주문사양 적용 가능함)
  컴팩트한 디자인과 크기
  개폐의 각도 조절이 가능함(스토퍼 조절)
  장기적 사용이 가능한 동작 시간 보장

Pneumatic Heavy-duty Actuator



- ▶ 형식 : Double acting & Spring return
- ▶ 조작기 Torque 범위(Double acting 방식 기준)
  Min. 3,360Nm ~ Max. 68,347 Nm(Air pressure 5.6 Bar 기준)
- ▶ 재질: Cast Steel
- ▶ 90 °(±5 °)의 각도에서 밸브 샤프트에 최대 토크가 전달 되도록 설계됨
- ▶ 추가 설치(옵션)에 따라 AIR 또는 전력 차단 시 밸브 작동을 위한 수동 장치
  (핸드 휠, 수동 기어, 수동 유압 펌프 등)를 장착가능함

HWA SUNG VALVE
ELECTRIC VALVE

- RUBBER SEAT BUTTERFLY VALVE (FC, FCD BODY)
- HIGH PERFORMANCE BUTTERFLY VALVE (FCD/STS BODY)
- 2-WAY FLANGED BALL VALVE
- 3-WAY BUTTERFLY VALVE (MIXING or DIVERTING TYPE)

Quarter-turn Electric Actuator

- 컴팩트한 구조와 무게에 비해 높은 출력의 토크 제공(Max. 9000Nm)
- 광범위한 토크 레인지 제공(From 100Nm to max 9000Nm)
- 씰링 패킹 및 O-RING 을 사용 마감하여 방수(IP67-NEMA 4~6, IP68-OPTION) 기능 보장
- 구동기 취부 : ISI 5211 표준 규격 적용(주문 사양 적용 가능함)
- 동작 과부하시에도 안전한 작동이 가능하도록 기계식 토오크 감지 시스템 적용
- Main power : 1PH , 3PH , AC220/380/440V , 50/60Hz
- 적용가능한 동작 신호 및 출력 신호

  동작신호 : 4-20mA /0-10VDC/2-10VDC/1-5VDC/0-5VDC

  출력신호 : 4-20mA (optional : 0-10VDC/2-10VDC/1-5VDC/0-5VDC)

Multi-turn Electric Actuator

- 과열 보호 장치가 내장된 고효율 및 토크 모터 사용(조절 가능 범위 : 30% ~ 100%)
- 상단 마운트에 핸드 휠(수동 조작 핸들) 기능
- 통합 로컬 콘트롤 UNIT 적용
- ISO5210 & IP68 케이스에 따른 브라켓 적용
- Main power : 3PH, AC220/380/400/415/440/460/480V, 50/60Hz
- 적용 가능한 동작 신호 및 출력 신호

  동작신호 : 4-20mA /0-10VDC/2-10VDC/1-5VDC/0-5VDC

  출력신호 : 4-20mA (optional : 0-10VDC/2-10VDC/1-5VDC/0-5VDC)

HWA SUNG VALVE
GLOBE CONTROL VALVE

모델명	CG.... SG....
형식	Flange,Socket welded, Teflon Body,기타
사이즈	15A ~ 300A(300A이상은 주문 제작)
유량계수(Kv)	4 ~ 1120
사용유체	냉/온수,증기,OIL,GAS,기타
본체	WCB,CF8,CF8M,기타
스템	316SS,410SS,410SS+HT,기타
플러그 본체	316SS,410SS,410SS+HT,기타
디스크 링	316SS,410SS,410SS+HT,기타
패킹	EPDM,GRAPHITE,기타
허용 압력(#)	ANSI 150 ~ 2500
스트로크	20mm ~ 100mm
유량 특성	Equal%,Liner,On-Off,기타
허용온도	-50℃ ~ 600℃ (이외 온도 주문제작)
조작기	DIAPHRAGM ACTUATOR 250, 290, 370, 480, 580 CYLINDER ACTUATOR, MOV ACTUATOR, 기타

화성밸브

ORDER CHECK LIST NO:

(CONTROL)

DATE : CUSTOMER : CHECK :

PROJECT : CPO : APPROVAL :

SALES MAN : TEL : PROCESSING TIME :

GENERAL					
1	TYPE OF BODY(밸브종류)				
2	SIZE(규격)				
3	QUANTITY(수량)				
4	END CONN' & RATING(배관 연결방식 및 밸브 사용압력)				
5	MATERIAL(재질)				
ACTUATOR(공압&전동)					
5	ACTION(D.A OR S.R)				
6	ACTUATOR MODEL				
7	FAIL POSITON(AIR 공급중단시 위치)				
8	MOTOR ACTUATOR(전기(모터) 작동 방식)				
ACCESSORIES					
9	AIR SET(압력조절, 여과기장치)				
10	HANDWHEEL(비상시사용 수동 핸들)				
11	SOLENOID VALVE				
12	L/S MODEL NO.				
	ENCLOSURE(폭발지역, 비폭발 지역(방수))				
13	OTHERS(기타 액세서리)				
PROCESS CONDITIONS					
13	FLUID(유체)				
14	INLET PRESSURE(kg/cm^2)(입구압력)				
15	OUTLET PRESSURE(kg/cm^2)(출구압력)				
16	TEMPERATURE(℃)(사용온도)				
#	NOTE:				

※ 본제품은 품질의 개선을 위하여 사전 예고없이 변경될 수 있습니다. Specification is subject to change without prior notice due to improvements.

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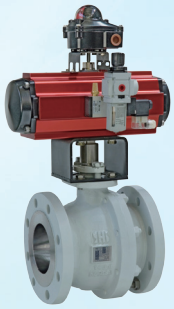
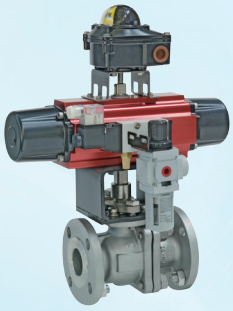
화성밸브





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