

COMPANY PROFILE



D.H.C. DAE HAN CONTROL CO., LTD.

ADDRESS : 39, GADAL 1-RO, GANGSEO-GU, BUSAN, KOREA

T E L : +82-51-974-1221

F A X : +82-51-955-6041

HOMEPAGE : www.dhcv.co.kr

E - MAIL : dhc@dhcv.co.kr

Index

*DAEHAN CONTROL
CO.,LTD.*

- ∴01. ABOUT DHC
- ∴02. PRODUCTION & BUSINESS SCOPE
- ∴03. PROJECT MANAGEMENT
- ∴04. DESIGN & DEVELOPMENT
- ∴05. MANUFACTURING & QUALITY
- ∴06. PRODUCTS FOR VARIOUS APPLICATION
- ∴07. LIST OF CERTIFICATES
- ∴08. SUB-CONTRACTORS
- ∴09. SUPPLY RECORDS (DOMESTIC/OVERSEAS)

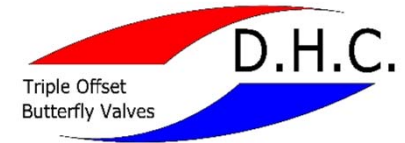


CHAPTER 01.
ABOUT DAEHAN CONTROL CO., LTD.

DAEHAN CONTROL CO., LTD.

01 ABOUT DAEHAN CONTROL CO., LTD.

Chapter.



● 1995 Established DAEHAN CONTROL.

● 1998 - Started manufacturing Triple Offset Butterfly and Check Valves.

● 2000 - ISO9001 Quality Management System Approved

● 2005 - Registered Vendor List on KEPCO / POSCO / KHNP.

● 2007 - Fire Safety Test Certificate Approved

● 2008 - CE Certificate Approved (Module B & E)

● 2009 - Awarded – Yeongwol CCPP MOV Butterfly from DHI (MOV BFV 20”~72”)
- Awarded – Goggle Vale 120” from POSCO

● 2011 – Awarded – Control Butterfly 2500# - 26” (KAERI RCP TEST Facilities)
Awarded – Skidda Refinery PJT (Algeria) from Samsung Engineering

● 2012 - Awarded – Maaden Rolling Mill PJT
Muharraq STP PJT
Norte II CCGT Power from Samsung ENG.

● 2014 - NSF 61 Approved
- Registered Vendor to PDVSA
Awarded – Carlsbad Desalination PJT (Triple offset 8” to 96”) from SDCWA

● 2015 – Awarded - SK Gas PDH Project (Cryogenic, High Temperature Butterfly)
Awarded Saipem JangKrik Complex Project (Eccentric Butterfly)

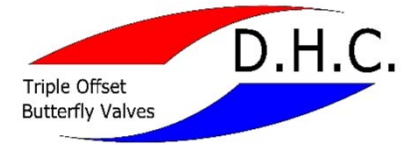
● 2016 - Moved to New DHC Factory. #39, Gadal 1-Ro, Gangseo-Gu, Busan, Korea
CRN Approved – Butterfly Valves

● 2018 – Awarded - MODEC MV 29 ~34 (Triple offset butterfly)

● 2019 – Awarded – GMI Modernization PJT of the Talara Refinery
Awarded - SK GOSEONG HAI THERMAL POWER PLANT 102” NRV

01 ABOUT DHC – COMPANY INFORMATION

Chapter.

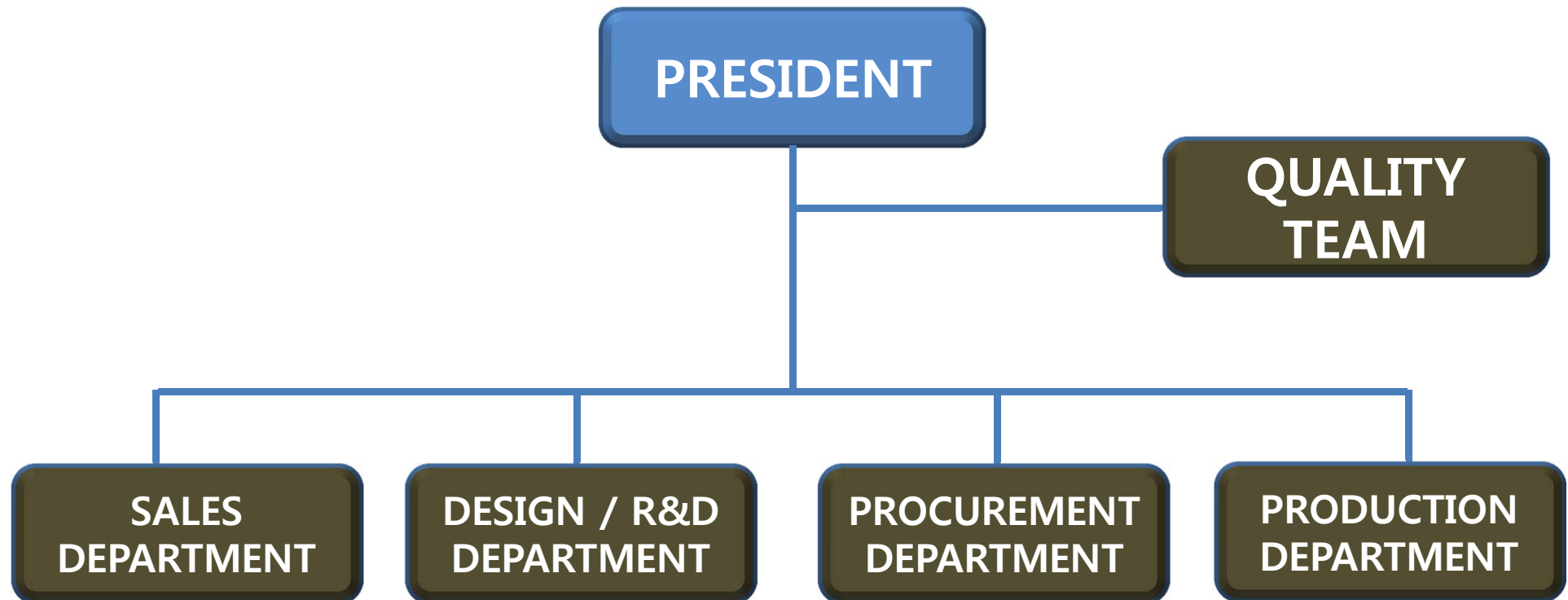
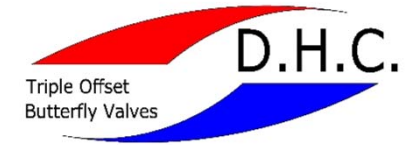


a) Factory Size : 6,855 m²

Head Office and Factory		6,855 m ²
b) Personnel : Total 52 Persons		
Board of Director		3 persons
General Administration		3 persons
Sales & Marketing	Domestic	4 persons
	Overseas	2 persons
Design / R&D		7 persons
Procurement		4 persons
QA & QC		4 persons
Production		25 persons

01 ABOUT DHC – ORGANIZATION

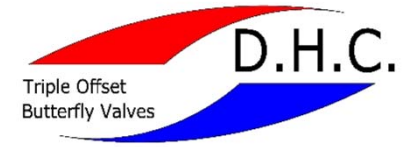
Chapter.



- Contact : Chungwon, Kim (Sales Manager)
Mobile (+82-10-7495-9300)
E-mail : dhc@dhc.co.kr

01 ABOUT DHC – STRENGTH OF D.H.C

Chapter.



FAST DELIVERY

DHC can meet customer's required delivery date based on quick decision and efficient management

CUSTOMIZE

DHC can offer our customers decades of experience with products in various applications, combined with proven development and production expertise.

EXPERIENCE

We have a wealth of experiences for various valve type and application



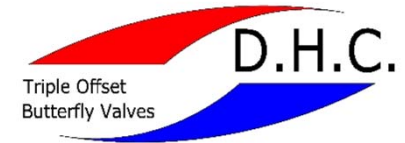




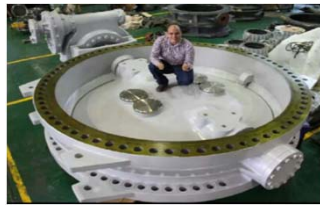
CHAPTER 02.
PRODUCTION AND BUSINESS SCOPE

DAEHAN CONTROL CO., LTD.

02 PRODUCTION & BUSINESS SCOPE

Chapter.

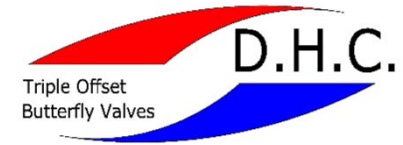





ITEM		SCOPE SIZE & RATING
BUTTERFLY	 TRIPLE OFFSET BFV	<ul style="list-style-type: none"> - CLASS 150 : 2" TO 160" - CLASS 300 : 3" TO 120" - CLASS 600 : 4" TO 60" - CLASS 900~4500 : 8" TO 48"
	 HI-PERFORMANCE BFV	<ul style="list-style-type: none"> - CLASS 150 : 2" TO 160" - CLASS 300 : 3" TO 120" - CLASS 600 : 4" TO 60"
	 WATER WORKS BFV	<ul style="list-style-type: none"> - CLASS 150B WAFER : 3" TO 20" - CLASS 25A/B, 75A/B, 150A,B : 3" TO 72" - CLASS 250B : 30" TO 48" - 25B, 50B, 75B, 150B : 72" ~160" as per AWWA C516
	APPLICABLE SPEC.	Design : ASME B16.34, API 609, AWWA C504 , EN593 , EN12516-1 , JIS Face to Face : ISO 5752 , EN558 , API 609, ASME B16.10, AWWA C504. JIS B 2002 TEST : API598 , MSS SP-61 , AWWA C504 , EN12266-1 , ANSI/FCI 70-2

* Other standards are available upon request

02 PRODUCTION & BUSINESS SCOPE

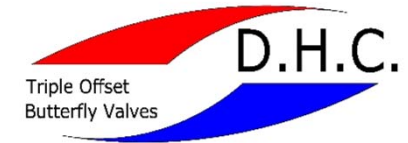
Chapter.

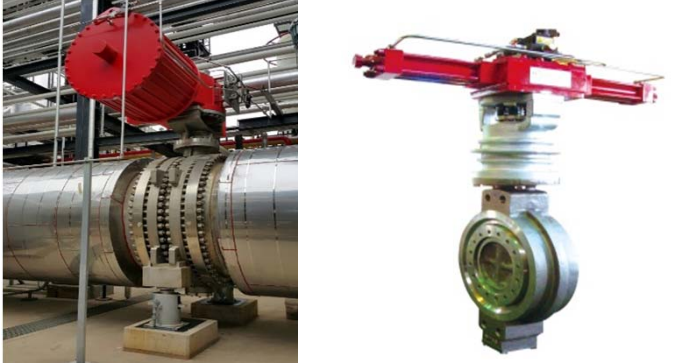
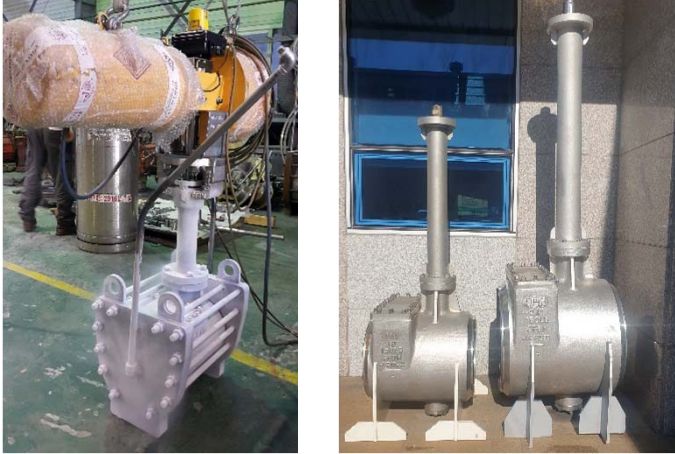


ITEM		SCOPE SIZE & RATING	DESIGN FEATURES
CHECK V/V	 <p>COMBINED NRV</p>	<p>AWWA 150B CLASS 150 – UP TO 160”</p>	<ul style="list-style-type: none"> - Operated by Hydraulic cylinder or electric motor - Flow control and emergency quick closing - HPU & Control Pannel
	 <p>NON-SLAM CHECK</p>	<p>CLASS 150 TO 600 – UP TO 132”</p>	<ul style="list-style-type: none"> - Hydraulic Damper and Counter weight - Prevent of water hammering
	 <p>NOZZLE CHECK</p>	<p>CLASS 150 TO 2500# , – 2” ~ 84”</p>	<ul style="list-style-type: none"> - Axial Flow : avoid turbulence and prevent erosion and vibration. - Low pressure loss - Non slam operation

02 PRODUCTION & BUSINESS SCOPE

Chapter.



ITEM	SCOPE Available Range	DESIGN FEATURES
<div data-bbox="183 472 304 1426" style="writing-mode: vertical-rl; transform: rotate(180deg);">High Temperature and Cryogenic</div>  <p data-bbox="504 868 786 938">High Temperature Butterfly / Damper</p>	<ul style="list-style-type: none"> - Differential pressure / Temperature rating as per ASME B16.34 - Extremely wide temperature range up to 1100 deg C 	<ul style="list-style-type: none"> - Refractory bricks for extremely high temperature - Suitable material for applicable temperature and fluid.
 <p data-bbox="517 1410 770 1437">Cryogenic Valve</p>	<ul style="list-style-type: none"> - Valve Rating : Class 150 to 600 - Valve Size : 3" to 60" - Applicable Fluid : LNG , Oxygen, Hydrogen 	<ul style="list-style-type: none"> - Triple offset Design - Low fugitive emission - Extended stem - BW, Flanged, Wafer, Lugged connection - Available of Side and Top entry design



CHAPTER 03.

PROJECT MANAGEMENT & CONTROL DOCUMENTS

DAEHAN CONTROL CO., LTD.

03 PROJECT MANAGEMENT & CONTROL DOCUMENTS

Chapter.

DHC has **our unique ERP and documentation control program.**

All documents and process are sharing via this program to all relevant staff.

Production status can be checked in real time.



03 PROJECT MANAGEMENT & CONTROL DOCUMENTS

Chapter.

QUALITY 진행표 [(주)대한콘트롤]

조희(F) 인채(P) 화면지움(S) 종료(X) | 선택된 QUALITY 진행표 삭제

납기일자: 2000-01-01 ~ 2021-11-11 | 정렬

거래처: S1252 saipem | 강제쓰기

통합검색: | 제품명: | 품명: | 규격: | 재질: | 수주상태: 미결, 완결, 전체 | QUALITY 공정: 미결, 완결, 전체 | 검색(Q)

No	공급업체	수주일자	납기일자	작지번호	품명	규격	재질	수량	승인도면	TEST REPORT						체크시			
										B/D	B/D 열처리	D/C	D/C 열처리	Shaft	Seat	Act.	LINING	일반	도장
1	saipem	15-07-08	15-10-31	20150708-004	HI-P BFV LUG L/O	#150 - 3"	C95500/C95500/C95500/PTFE	39											
2									15-11-02	16-01-04		16-01-04		6-01-04	6-01-04				
3	saipem	15-07-08	15-10-31	20150708-004	HI-P BFV LUG L/O	#150 - 4"	C95500/C95500/C95500/PTFE	45											
4									15-11-02	16-01-04		16-01-04		6-01-04	6-01-04				
5	saipem	15-07-08	15-10-31	20150708-004	HI-P BFV LUG L/O	#150 - 6"	C95500/C95500/C95500/PTFE	66											
6									16-04-04	16-01-04		16-01-04		6-01-04	6-01-04				
7	saipem	15-07-08	15-10-31	20150708-004	HI-P BFV LUG G/O	#150 - 8"	C95500/C95500/C95500/PTFE	51											
8									16-04-04	16-01-04		16-01-04		6-01-04	6-01-04				
9	saipem	15-07-08	15-10-31	20150708-004	HI-P BFV LUG G/O	#150 - 10"	C95500/C95500/C95500/PTFE	42											
10									16-04-04	16-01-04		16-01-04		6-01-04	6-01-04				
11	saipem	15-07-08	15-10-31	20150708-004	HI-P BFV LUG G/O	#150 - 12"	C95500/C95500/C95500/PTFE	8											
12									16-04-04	16-01-04		16-01-04		6-01-04	6-01-04				
13	saipem	15-07-08	15-10-31	20150708-004	HI-P BFV LUG G/O	#150 - 18"	C95500/C95500/C95500/PTFE	7											
14									16-04-04	16-01-04		16-01-04		6-01-04	6-01-04				
15	saipem	15-07-08	15-10-31	20150708-004	HI-P BFV LUG G/O	#150 - 24"	C95500/C95500/C95500/PTFE	5											
16									16-04-04	16-01-04		16-01-04		6-01-04	6-01-04				

프로젝트
 작지번호
 PDF Read File Path 저장

조희하였습니다. !!! | 2020-11-11 | SALES | 영업부 | 0 | 2 | 주)대한콘트롤

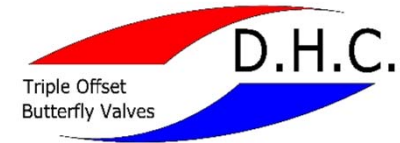


CHAPTER 04.
DESIGN & DEVELOPMENT

DAEHAN CONTROL CO., LTD.

04 DESIGN & DEVELOPMENT

Chapter.



► DESIGN R&D

- Perform Structural , Fluid and thermal analysis using FEMAP.
- Develop new mechanical design of valves using engineering calculation
- Ensure designs meet international standard and standards

* Software

Software Name	Quantity	Remark
1. AutoCad 2014 (2D)	8 Copy	Design
2. AutoCad 2020 (3D)	6 Copy	Design ISO Modeling
3. SolidEdge ST5	1 Copy	ISO Modeling Animation
4. FEMAP	1 Copy	Analysis -Computational Fluid Dynamic -Structure Analysis -Thermal Analysis

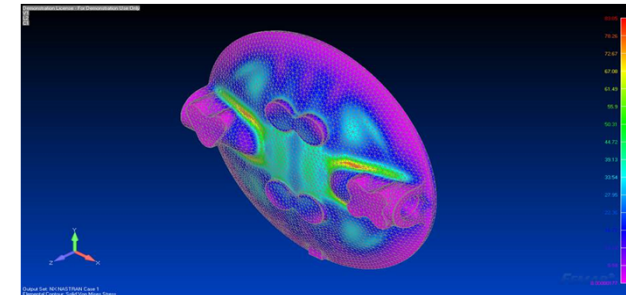
04 DESIGN & DEVELOPMENT

Chapter.

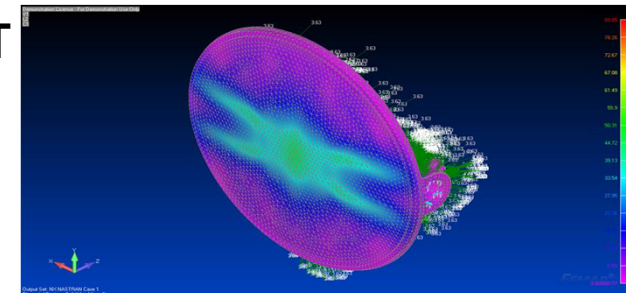
► Solid Von Mises Stress Analysis for PN40 – 114” Body (Ansys Workbench)

PN 40 114” DISC NORMAL DIRECTION	
MATERIAL	A536 65-45-12
POISSON'S RATIO	0.28
YOUNG'S MODULUS (GPA)	169
Tensile strength (Mpa)	448
Yield strength (Mpa)	310
Max allowable tensile strength (Mpa)	89.6
Max allowable yield strength (Mpa)	103
Pressure (Mpa)	3.63

REAR
VIEW



FRONT
VIEW



ACCEPTANCE CRITERIA
(Safety Factor :
YS (3) , TS(5)

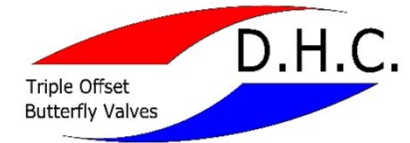
89.6 Mpa



MAX VON-MISES
STRESSS :
83.85 MPA ->
ACCEPT

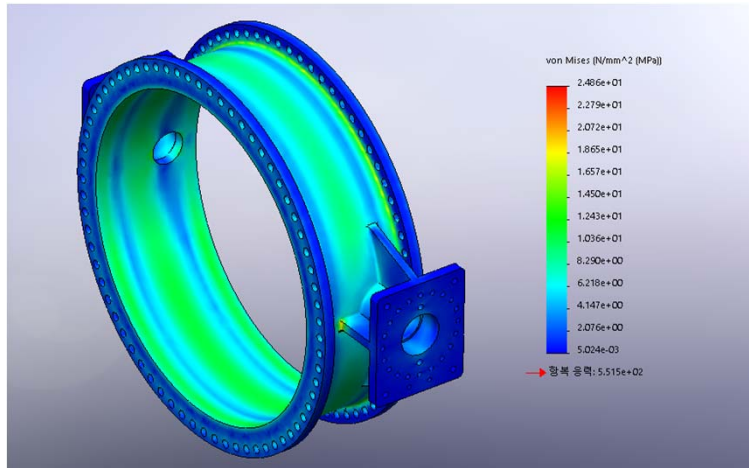
04 DESIGN & DEVELOPMENT

Chapter.

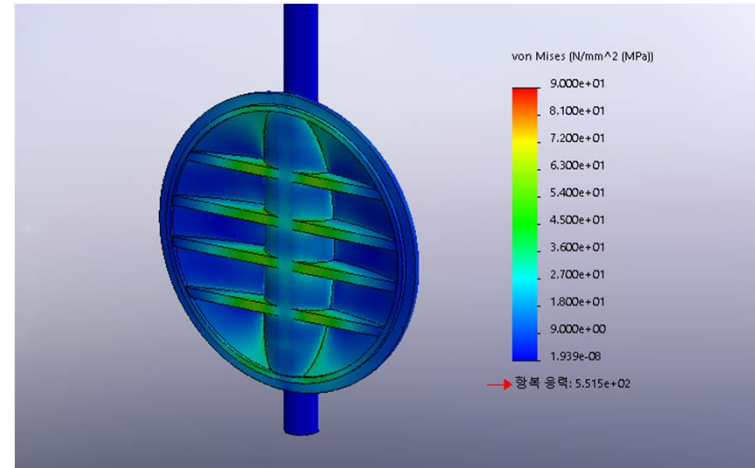


► Solid Von Mises Stress Analysis for AWWA – 96” Body (FEMAP)

• Structure Analysis



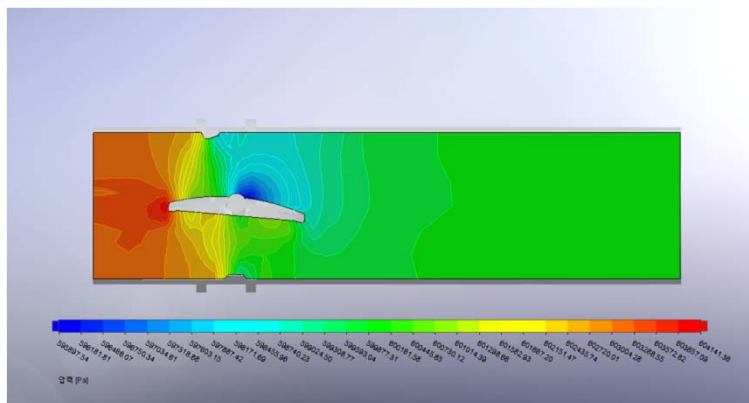
Body _ Von Mises (Mpa)



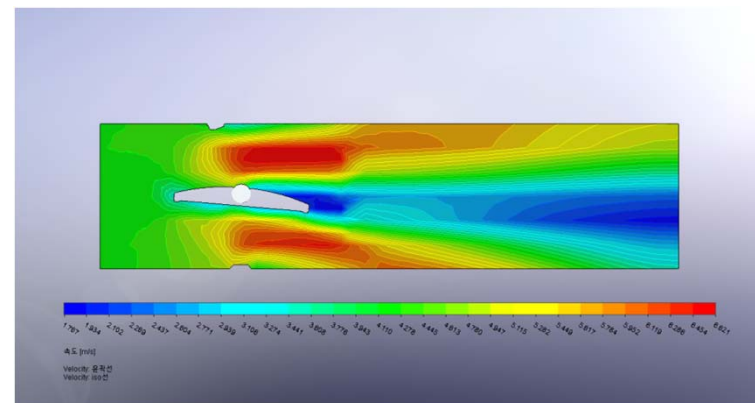
Disc _ Von Mises (Mpa) / Condition -Shaft Rigid

• Fluid Analysis

Pressure Distribution / 80 degree (Option)



Velocity Distribution / 80 degree (Option)



04 DESIGN & DEVELOPMENT

Chapter.

► Fatigue Analysis for 1500# – 12” Butterfly Valve

- Customer : MDS Aero Canada
- End User : GE Aviation USA
- Project : Aero-Engine Test Facility

- Customer Requirements : 1000 Cycles as per test condition
- Design Temperature and Pressure : 3000 Kpa-A @ 730 deg C

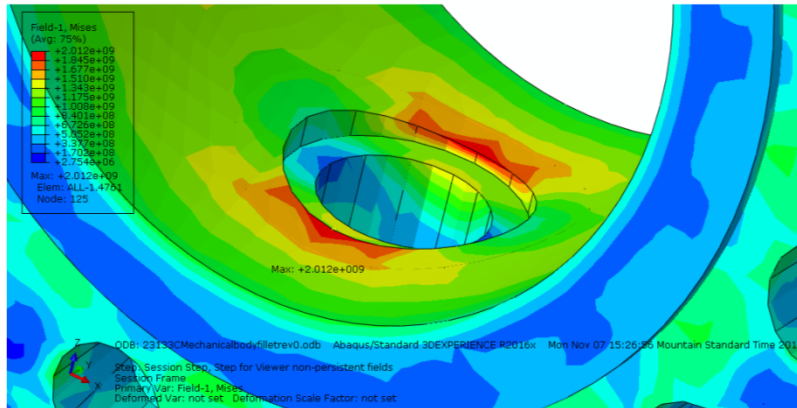


Figure 1. 20°C Initial Temperature with Sharp Corner Transition Stress Range (Pa)

Initial Temperature	Design # of Cycles			
	No Radius		3/16" Radius	
	Stress Amplitude	Cycles	Stress Amplitude	Cycles
20°C	1006 MPa	460	947	534
150°C	843	719	793	844
200°C	779	884	743	1007

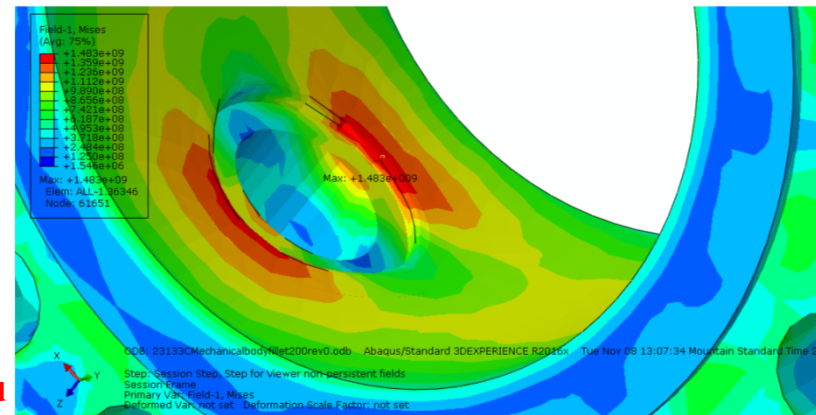


Figure 2. 200°C Valve Body Preheat Temperature with 3/16" Rounded Corner Transition Stress Range (Pa)

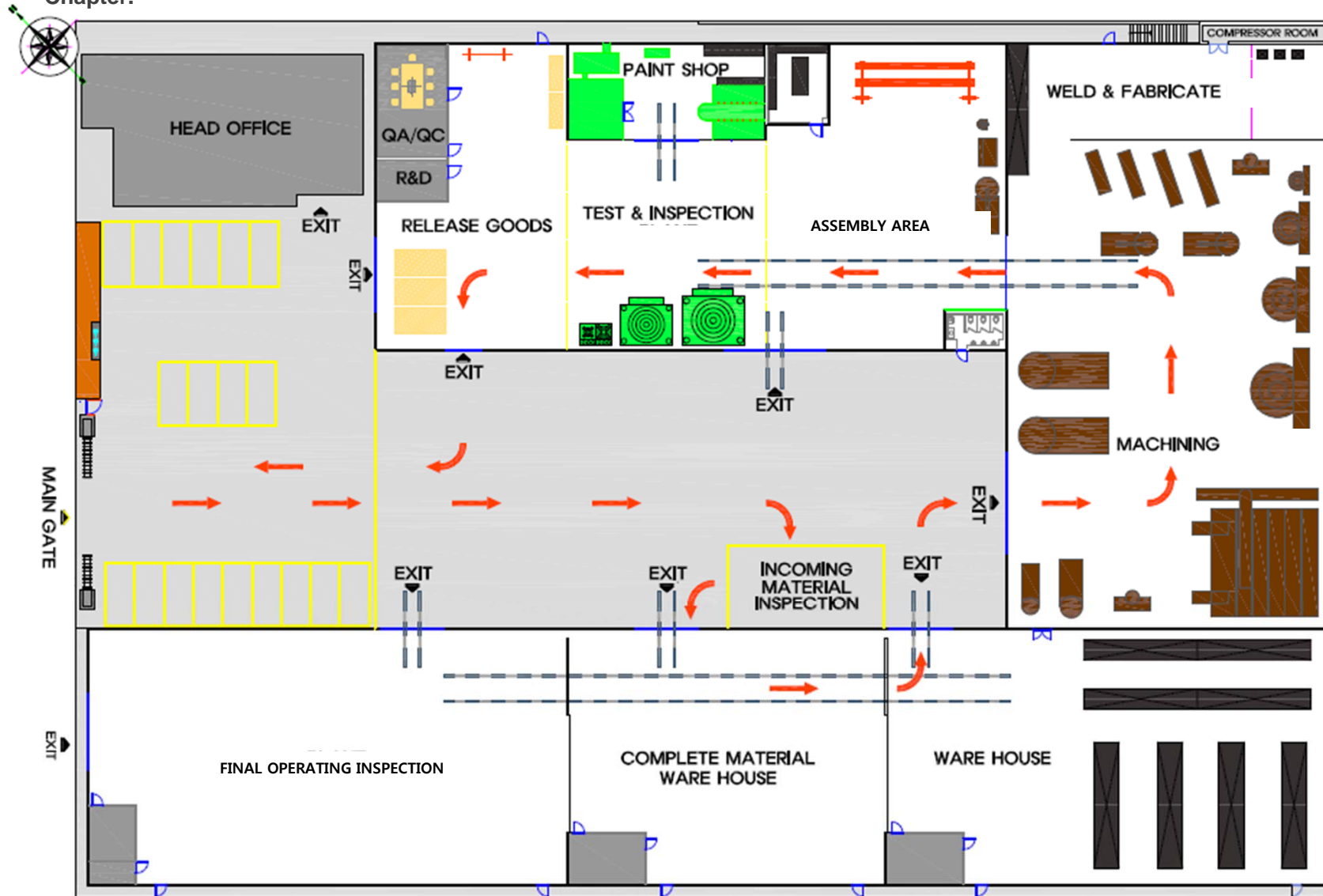


CHAPTER 05.
MANUFACTURING & QUALITY

DAEHAN CONTROL CO., LTD.

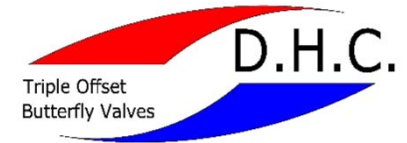
05 MANUFACTURING & QUALITY-WORKFLOW

Chapter.



05 MANUFACTURING & QUALITY

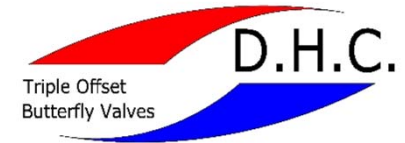
Chapter.



ITEM	NAME	Q'TY	SIZE	REMARK
1	Turning Machine	1	Φ4400	Turning for Big Sized Valve and Flange
2		1	Φ2300	
3		1	Φ1600	
4		1	Φ1000	
5	LATHE Machine	1	460*1000L	Components machining and spiral processing
6		2	580*1500L	
7		1	580*2000L	
8	CNC Lathe	1	6"	
9	Boring Machine	2	130T	Boring for Valve body and Disc
10		1	100T	
11		1	80T	

05 MANUFACTURING & QUALITY

Chapter.



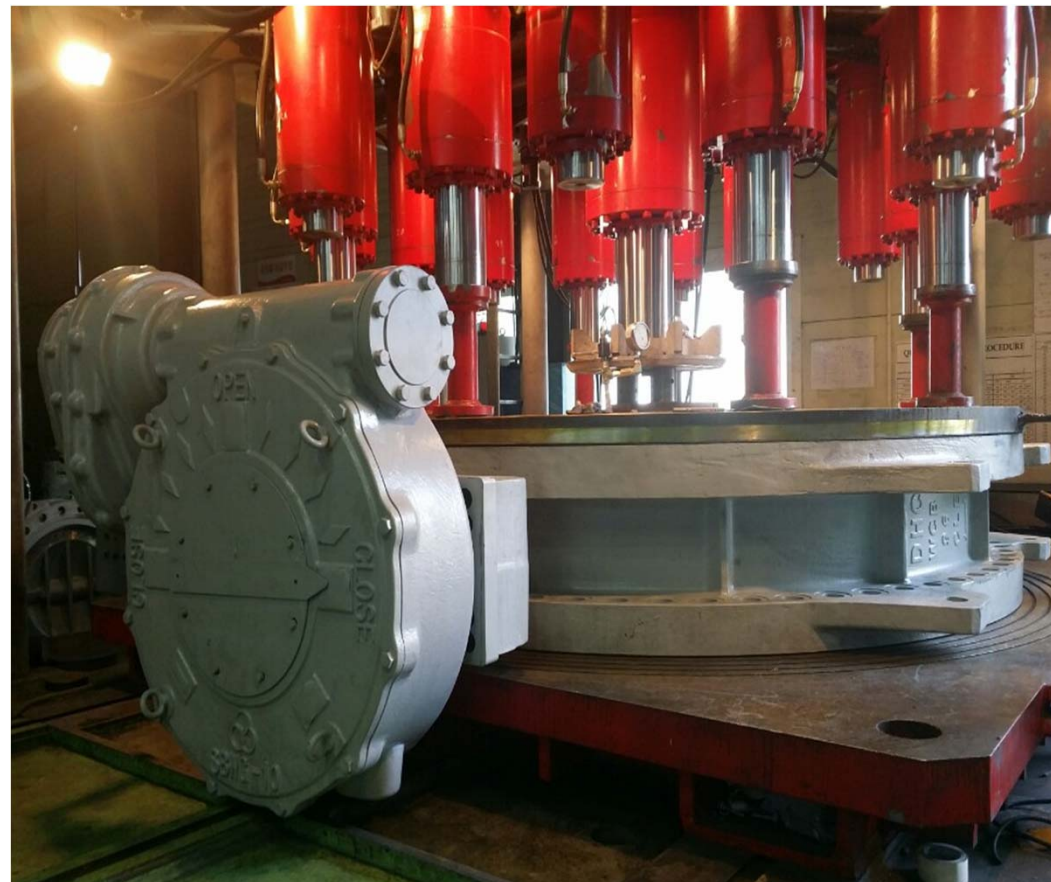
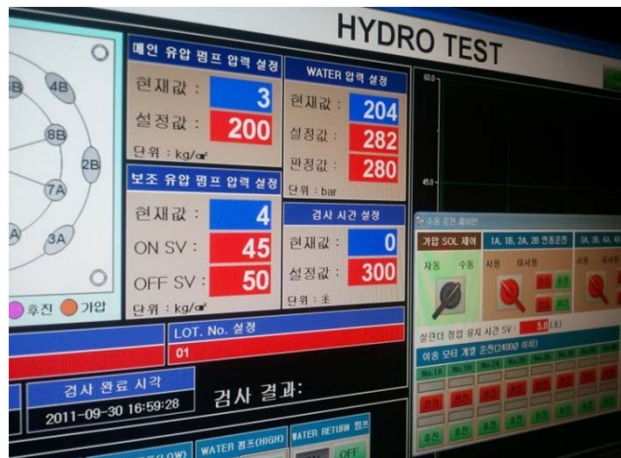
ITEM	NAME	Q'TY	SIZE	REMARK
12	Radial Drilling	2	1600	CNC Drilling for flange
13		1	2000	
14		1	560	
15	Drill Master	1	5000*5000	Drilling for flanges
16	Milling Machine	1	Size No.3	Milling for valve parts
17	Vertical Slotter Machine	1	50T	Machining for key slot
18	Horizontal Slotter Machine	1	50T	Key Machine
19	Hydro Test	1	2000 X 200 bar	Hydro Test
20		1	50A ~ 600A	
21	Cycle Test	1	Ø600	Cycle Test
22	Hydro Power unit	1	Ø150 X 250 bar	
23	Dryer Booth	1	49 m ²	

05 MANUFACTURING & QUALITY

Chapter.

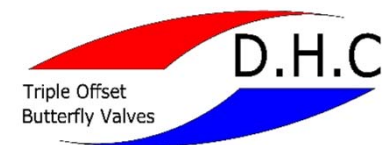
▶ Hydraulic test equipment

Our hydraulic pressure test equipment can test up to DN3,400.



05 MANUFACTURING & QUALITY

Chapter.



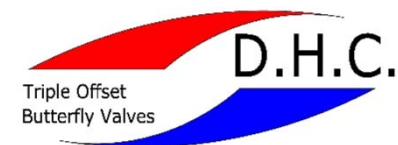
► Inspection Equipment

All test equipments are calibrated regularly as per KOLAS and API6D

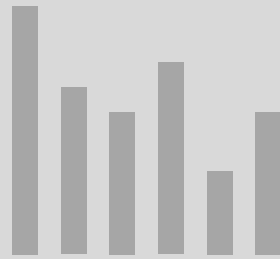
ITEM	NAME	Q'TY	CAPACITY	REMARKS
1	Pressure Gauge	10	0~0.1 – 0~7Mpa	Testing for Body Pressure and Disk Leakage
		5	0~10 – 0~50Mpa	
		1	0~100Mpa	
		1	0 ~ 0.1Mpa	
2	Micro chronometer	5	0~25 – 75~100mm	Testing for Electronic Operation
		3	100~125 – 150~300mm	
3	Torque Wrench	1	3.923~11.768Nm	
		1	9.807~49.033Nm	
		5	29.42~137.29Nm Etc.	
4	Calipers, inside/outside	13	0~150 – 0~300mm	Gauging Length
		5	0~600 – 0~2000mm	
5	Calipers, bar type	1	100~2100mm	
6	Outside Micrometers	1	0~25mm	Gauging Diameter of Valve
		1	25~50mm	

05 MANUFACTURING & QUALITY

Chapter.



ITEM	NAME	Q'TY	CAPACITY	REMARKS
7	Thickness tester	1	-	Gauging Thickness
8	Cylinder / bore Gauge	1	50~100mm	Gauging Inside Diameter
		1	160~250mm	
9	Thread plug gauge	1	1 ¼" – 8UN	
10	Pressure transmitter	1	0~30Mpa	
11	Leep hardness Tester	1	-	
12	DC holiday tester	1	5 Kv	
13	Temperature Indicator	2	-	
14	Gas Analyzer	1	-	
15	Flow Meter	1	1~5L	
		1	1~10L	
		1	30~330L	
16	Height gauge	1	0~600mm	
17	Gas Detector	1	0~100vol%	



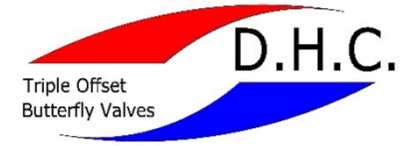
CHAPTER 06.

PRODUCTS FOR VARIOUS APPLICATION

DAEHAN CONTROL CO., LTD.

06 VENDOR REGISTRATION

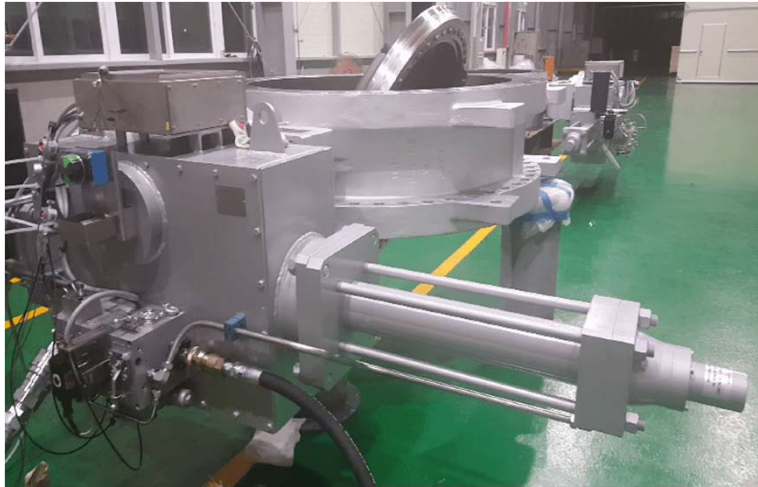
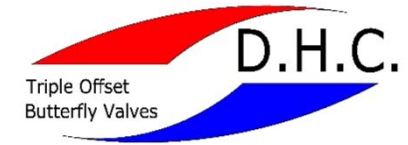
Chapter.



EPC COMPANY						
POWER PLANT						
END USER						

06 DHC VALVES FOR POWER PLANT

Chapter.



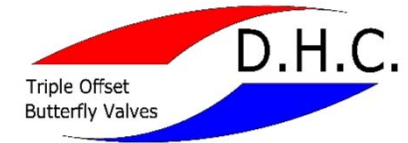
Item	ME/LP CV & SV Butterfly
Project	SEOUL Combined Cycle Power Plant(400MWx2UNIT)
Rating & Size	150#-56" (ME) , 150#-24" (LP)
Description	<ul style="list-style-type: none"> - Control / Shut-off for Steam Turbine - Servo valve for control valve - Emergency Shut-down
Related PJT	Hwasung-Dongtan CCPP, Hanam CCPP, YangJu CCPP, Pocheon CCPP, Sejong CCPP, Hirono CCPP. Nakoso CCPP, Duke Energy



Item	Rubber Lined Butterfly Valve
Project	SHIN PYEONGTAEK Combined Cycle Power Plant (950MW)
Rating & Size	150#-96"
Description	<ul style="list-style-type: none"> - Rubber lined butterfly for seawater application - MOV operated.
Related PJT	INCHEON Combined Cycle Power Plant #5~9 YEONGNAM Natural Gas Power Plant(470MW)

06 DHC VALVES FOR STEEL MILL

Chapter.



Item	Goggle Valve
Project	Hyundai steel Blast Furnace
Rating & Size	PN-2.5 – DN3400
Feature	<ul style="list-style-type: none"> - Tightening Shut-off for Toxic gas (BFG , COG , Flue gas etc.) - Actuation : Electronic or Hydraulic actuator available
Related PJT	Hyundai Steel & POSCO Blast Furnace Facilities



Item	Snort Valve
Project	Hyundai steel Blast Furnace
Rating & Size	PN-10 – DN1600 x 600
Feature	<ul style="list-style-type: none"> - Installed on the cold air duct in front of the hot air oven - Used for reducing or completely stopping blowing air to the blast furnace
Related PJT	Hyundai Steel Blast Furnace Facilities

06 INSTALLATION AT SITE

Chapter.



**KOBE STEEL IN BAHRAIN
MOV BUTTERFLY VALVE**

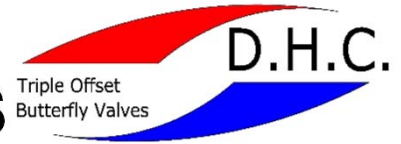


**HYUNDAI STEEL BLAST FURNANCE & COG PHASE III
FABRICATED TYPE BUTTERFLY VALVE**



06 DHC VALVES FOR REFINERY/OIL&GAS

Chapter.



Oil & Gas

ADNOC

Suppliers Data					Help allturayya@allturayya.ae Sign out	
20013084	DAEHAN CONTROL CO. LTD.	South Korea				
Manage	Agency Type	Certificate No	Issue Date	Expiry Date	Product Groups	
	Representation (R)				- Collapse	
Manage	Product Commodity	Product Commodity Code	Product Group	Pro-Qualification Status	Request Reassessment	
	18 - VALVES & ACCESSORIES	1326 - BUTTERFLY VALVES	182605 - VALVES- BUTTERFLY-ALL TYPE	FQ - Pre-qualified		
	18 - VALVES & ACCESSORIES	1326 - BUTTERFLY VALVES	182620 - VALVES- TRIPLE OFF SET BUTTERFLY VALVES	FQ - Pre-qualified		

SATORP

Please be informed that your company (**DAEHAN CONTROL CO., LTD**) has been registered as vendor with **Saudi Aramco Total Refining Petrochemical Company (SATORP)**

Vendor No: **12424**

06 DHC VALVES FOR REFINERY/OIL&GAS

Chapter.



Item	Triple Offset Butterfly Valve with Pneumatic Actuator
Project	SK PDH Project
Rating & Size	78" (Design pressure @Temp. : 1.6kg / cm2g@704 deg C
Description	<ul style="list-style-type: none"> - CF8C (S347) construction with Inconel seat - Heavy duty pneumatic actuator - Fluid : Regeneration Gas

Item	High Performance Butterfly
Project	Samsung Eng. Algeria Skikda Refinery Project
Rating & Size	150# - 8" ~ 28"
Description	<ul style="list-style-type: none"> - Eccentric Design with Teflon seat - On/Off Duty with pneumatic actuator



US water market

2.02 GENERAL

Los Angeles Department of Water and Power

- A. The valve shall be tight-closing, metal-seated, torque seating closure, shaft-mounted butterfly valve with lugged body and an actuator. The valve shall be designed in accordance with the ANSI B16.34 Standard Class 150, and the requirements of these specifications.

1. Manufacturer and Model: Vanessa Series 30000 or **DHC BTMS Series**, 48" ANSI Class 150, lugged body, triple offset metal-seated butterfly valve, complete with manual operated worm gear actuator.

Public Utilities Commission

- D. Manufacturer: **DHC C200**, Circor KF Series 20, or approved equal.

San Diego County Water Authority

2.05 MANUFACTURERS

- A. The triple offset, metal seated butterfly valve shall be Adams, Armacon, DHC, Vanessa, or equal.

06 DHC VALVES FOR WATER TREATMENT

Chapter.



Item	Large diameter AWWA Butterfly Valve
Project	Conagua Cutzamala Raw Water Pumping Station in Mexico
Rating & Size	PN40 – DN 2850
Description	<ul style="list-style-type: none"> - DI body and disc with Epoxy Coated. (NSF 61 certified) - Huge valve diameter with high pressure (Design Pressure 36.3 barg)



Item	Triple Offset Butterfly Valve
Project	Carlsbad Desalination - Product water Pipeline Improvements
Rating & Size	Class 300 (CL.E) – 96"
Description	<ul style="list-style-type: none"> - Bi-Directional Zero Leak - Fusion Bonded Epoxy for Valve internal (NSF 61 certified)

06 INSTALLATION AT SITE

Chapter.



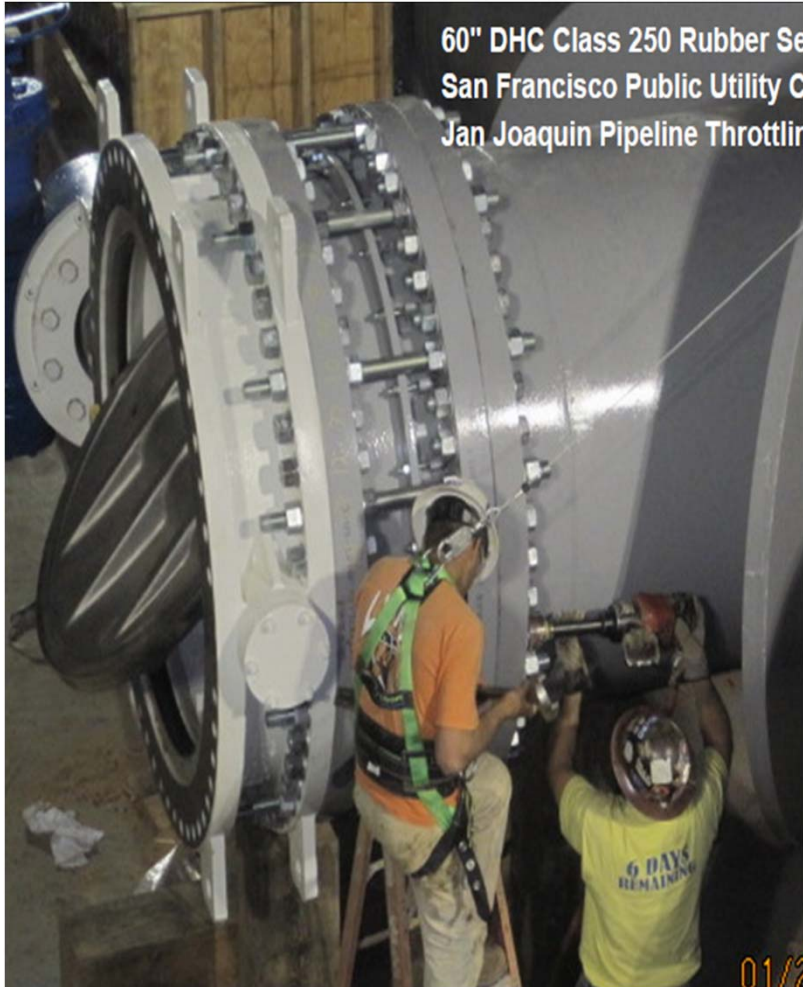
IEUA RP-1 OUTFALL RELOCATION



RAINBOW MUNICIPAL WATER DISTRICT

06 INSTALLATION AT SITE

Chapter.



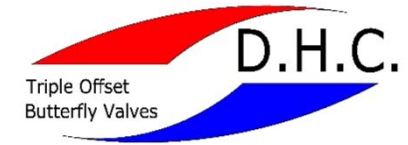
**San Francisco Public Utility Commission
Class 250 - 60" Rubber seat Butterfly**



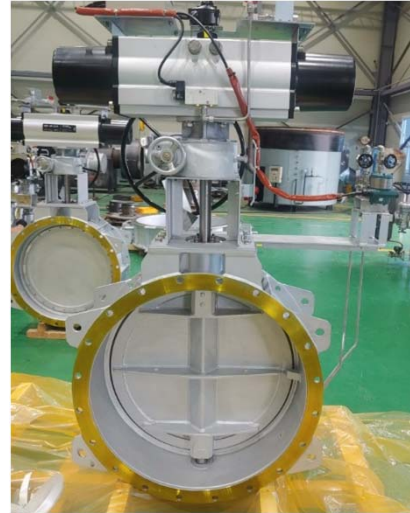
**Pacific Gas and Electric Potter Valley Powerhouse
Class 150 - 60" Triple offset Butterfly**

06 DHC VALVES FOR MARINE & FPSO

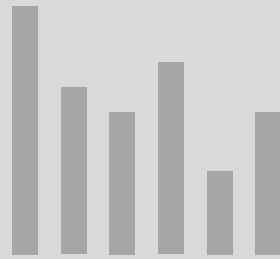
Chapter.



Item	Triple Offset Butterfly Valve
Project	MODEC MV32 PETROBRAS FPSO ALMIRANTE BARROSO
Rating & Size	150# - 24"
Description	<ul style="list-style-type: none"> - Triple Offset Butterfly Bi-directional Zero leak - Hydraulic actuator with Deck Stand.
Related PJT	MODEC MV29~34 SAIPEM JANGKRIK COMPLEX PJT



Item	SCR LP / SCRUBBER DAMPER BUTTERFLY
Project	HHI PH3097~3104
Rating & Size	SCR LP : 1K – 650 ~ 2400A SCRUBBER : 1K – 600 ~ 2200A
Description	<ul style="list-style-type: none"> - SCR LP : CERAMIC SEAT DAMPER - SCRUBBER : AIR SEALING DAMPER 100% tightening sealing by a fan creating a pressure between the discs



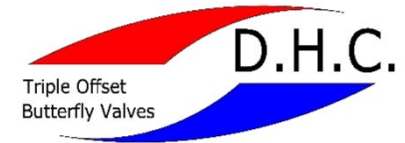
CHAPTER 07.

LIST OF CERTIFICATES

DAEHAN CONTROL CO., LTD.

07 LIST OF CERTIFICATE

Chapter.



DATE	PLACE OF ISSUE	MODEL&SIZE	REMARK
2000 – JAN	KAB	BUTTERFLY, CHECK, GATE, PLUG, BALL VALVE	ISO 9001: 2008 KS Q 9001: 2009
2006 – NOV	KIPO	A disc seat valve with a double intercepting of pressure that one body seat was applied	20-0431984
2007 – SEP	CEOC	BUTTERFLY, CHECK VALVE	CE 3444/3/2007-1 CE 3444/3/2007-2
2009 – JAN	KIPO	DOUBLE DISC TYPE AQUA PLUG VALVE	10-0880363
2009 – FEB	KIPO	LOW TORQUE WEDGED OS&Y BB GATE VALVE	10-0887291
2009 – MAR	KIPO	AQUA PLUG VALVE	10-0892073
2010 - JUNE	KAB	BUTTERFLY VALVE	ISO 14001
2013 – MAY	VELOSI	FIRE SAFETY TYPE BUTTERFLY VALVE	FTC-DHC-20130530- BUTTERFLY 001~045
2013 – JUNE	VELOSI	FIRE SAFETY TYPE BALL	FTC-DHC-20130615-BALL 001~045
2014 – APR	API	BUTTERFLY VALVE	API 609-0079 , 6D-1341
2014 – AUG	NSF international	BUTTERFLY VALVE	NSF 61 / C0298825-01
2015 – OCT	KAB	BUTTERFLY VALVE	ISO 18001

07 LIST OF CERTIFICATES

Chapter.





Certificate of Authority to use the Official API Monogram
License Number: 609-0079 ORIGINAL

The American Petroleum Institute hereby grants to
DAEHAN CONTROL CO., LTD.
 39, Gadal 1-Ro
 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-609** 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: **609-0079**

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: Butterfly Valves - Category B and Butterfly Valves - Category A

QMS Exclusions: Servicing

Effective Date: APRIL 4, 2020
Expiration Date: APRIL 4, 2023


Vice President of Global Industry Services

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



American Petroleum Institute

API 609 – BUTTERFLY VALVE



Certificate of Authority to use the Official API Monogram
License Number: 6D-1341 ORIGINAL

The American Petroleum Institute hereby grants to
DAEHAN CONTROL CO., LTD.
 39, Gadal 1-Ro
 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-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-1341**

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

QMS Exclusions: Servicing

Effective Date: APRIL 4, 2020
Expiration Date: APRIL 4, 2023


Vice President of Global Industry Services

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



American Petroleum Institute

API 6D – BALL VALVE

07 LIST OF CERTIFICATES

Chapter.



NSF International
RECOGNIZES
Dae Han Control Co., Ltd.
Republic of Korea

AS COMPLYING WITH NSF/ANSI 61 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.





This certificate is the property of NSF International and must be returned upon request. For the most current and complete information, please access NSF's website (www.nsf.org).

August 6, 2014
Certificate# C0176082 - 01


 David Purkis
General Manager, Water Systems

NSF International
RECOGNIZES
Dae Han Control Co., Ltd.
Facility: Busan, Republic of Korea

AS COMPLYING WITH NSF/ANSI 61 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.





This certificate is the property of NSF International and must be returned upon request. For the most current and complete information, please access NSF's website (www.nsf.org).

August 6, 2014
Certificate# C0176083 - 01


 David Purkis
General Manager, Water Systems

NSF 61

NSF International

OFFICIAL LISTING

NSF International Certifies that the products appearing on this Listing conform to the requirements of
NSF/ANSI Standard 61 - Drinking Water System Components - Health Effects
This is the Official Listing recorded on May 14, 2018.

Dae Han Control Co., Ltd.
39, Gadal 1-ro
Busan, Gangseo-gu
Republic of Korea
82 51 974 1221

Facility: Gangseo-gu, Republic of Korea

Trade Designation Valves	Size	Mechanical Devices	
		Water Contact Temp	Water Contact Material
Hi-Per. BPV. EPDM seat [1] [0]	2" - 120"	CLD 23	MLTFL
Hi-Per. BPV. EPDM seat Cylinder Type	2" - 120"	CLD 23	MLTFL
Hi-Per. BPV. PTFE seat	2" - 120"	CLD 23	MLTFL
Triple BPV S316 seat	2" - 120"	CLD 23	MLTFL

[1] Certified for use in a 4 million gallon reservoir.
[0] Product is Certified to NSF/ANSI 372 and conforms with the lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF International.
1 of 1

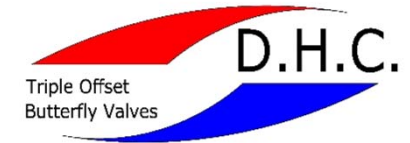
789 N. Dixboro Road, Ann Arbor, Michigan 48105-9723 USA
1-800-NSF-6182, 734-769-8010
www.nsf.org



C0176082

NSF 61 - LISTING

07 LIST OF CERTIFICATES

Chapter.



VELOSI INTERNATIONAL KOREA
THE WORLDWIDE INSPECTION, EXPEDITING AND PROCUREMENT SPECIALISTS

FIRE TEST CERTIFICATE

Certification No. : FTC-DHC-20130530-BUTTERFLY001
Ref. Test Report No. : DHC-BFV-001

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 : **DAE HAN CONTROL CO., LTD.**
Location : 1207-13, BUSAN SCIENCE INDUSTRIAL COMPLEX, JISA-DONG, KANGSEO-GU, BUSAN, KOREA
Location of Test : TEST SHOP OF DAE HAN CONTROL CO., LTD.


1. Description of Test Valve :

Valve Model No.	DHC-BD1MR-FS-F-ACT-50
Type of Test Valve	High Performance Butterfly Valve
Description of Test Valve	Body, Disc, VITON Seat, Flange, MOV
Valve Size (NPS)	2"
Pressure Rating (ANSI Class)	150#
Valve Body Material	ASTM A216-WCB
Valve Seat Material	VITON + METAL
Seat Configuration	Bi-directional Service
Valve Weight	28 kg
Drawing No.	DHC-BD1MR-130327-001
Date of Test	May 01, 2013


2. Qualified Range of Valve :

Qualified Sizes (NPS)	2" and below, 2-1/2", 3", 4"
Qualified Pressure Ratings (ANSI Class)	#150, #300
Qualified Valve Material	Ferritic

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 : 30th of May 2013



Heo-Hyun, Kim
President

FIRE SAFETY (BUTTERFLY VALVE)

VELOSI INTERNATIONAL KOREA
THE WORLDWIDE INSPECTION, EXPEDITING AND PROCUREMENT SPECIALISTS

FIRE TEST CERTIFICATE

Certification No. : FTC-DHC-20130615-BALL001
Ref. Test Report No. : DHC-BV-001

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 : **DAE HAN CONTROL CO., LTD.**
Location : 1207-13, BUSAN SCIENCE INDUSTRIAL COMPLEX, JISA-DONG, KANGSEO-GU, BUSAN, KOREA
Location of Test : TEST SHOP OF DAE HAN CONTROL CO., LTD.


1. Description of Test Valve :

Valve Model No.	DHC-BaT1MR-FS-F-ACT-50
Type of Test Valve	Flange Type Ball Valve
Description of Test Valve	2pcs Body, VITON Seat, Flange, MOV
Valve Size (NPS)	2"
Pressure Rating (ANSI Class)	150#
Valve Body Material	ASTM A216-WCB
Valve Seat Material	VITON + METAL
Seat Configuration	Symmetric, Bi-directional Service
Valve Weight	18 kg
Drawing No.	DHC-BaT1MR-130327-001
Date of Test	May 16, 2013


2. Qualified Range of Valve :

Qualified Sizes (NPS)	2" and below, 2-1/2", 3", 4"
Qualified Pressure Ratings (ANSI Class)	#150, #300
Qualified Valve Material	Ferritic

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 : 15th of June 2013

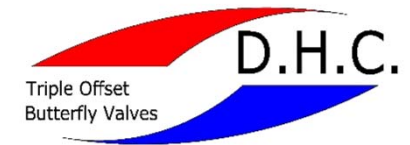


Heo-Hyun, Kim
President

FIRE SAFETY (BALL VALVE)

07 LIST OF CERTIFICATES

Chapter.



Certificate of Quality System Approval

This is to certify that the product listed below conforms to the requirements of the
Pressure Equipment Directive 2014/68/EU
Annex III Module E

Certificate Number	HPIVS/P1093-032-Q-01	Date of Expiry	08-Apr-2022
Date of Issue	18-Apr-2019	Surveillance due:	08-Apr-2020
Manufacturer	Daehan Control Co., Ltd. 39, Gadal 1-Ro, Gangseo-gu, Busan, Korea		
Description of Pressure Equipment	Butterfly valve – Concentric, Double-offset, Triple-offset (Wafer, Lugged, Flanged) Dual check valve (Wafer, Lugged, Flanged)		
Equipment Identification	CE data plate		
Other Certification Standards Applied	ISO 9001:2015 Cert. 10BK01167 issued by BV API 609:2016; API 594:2017; ASME B16.5:2017		
Report Reference	HPVS/P1093-032-1		

This Certificate is valid in any European Economic Area Member State.
This Report has been issued by HPI Verification Services Ltd, which is a body notified to the European Commission according to the provisions of the Pressure Equipment Directive (Notified Body number 1521).
This Report is issued following the assessment of the documentation and implementation of the Quality System in accordance with the provisions of the quoted Conformity Assessment Module of the above directive. The CE Mark may be affixed to the Pressure Equipment within the scope of approval as described above once the EU 'declaration of conformity' has been signed by the responsible person. The number '1521', being HPI Verification Services Ltd. Notified Body number should also be placed on the equipment dataplate.

Managing Director: *[Signature]* Technical Manager: *[Signature]*

CE Mark: EU Notified Body No. 1521, Company registered in England #7217086, HPI Verification Services Ltd, 2019

CE MODULE "E"

CERTIFICATE OF REGISTRATION
OHS Management System

Dae Han Control Co., Ltd.
#39, Gadal 1-ro, Gangseo-gu, Busan, Korea

KIC hereby certifies that the management system of the above organization conforms with the requirement of the following standard:

OHSAS 18001:2007

This certificate is valid for the following product or service ranges:

Design, Development and Manufacture of Industrial Valves (Butterfly Valve, Check Valve, Gate Valve, Plug Valve and Ball Valve)

Certificate NO. : OSC0011
Valid Until Date : 11-October-2021
Certificate Issue Date : 01-October-2018
Original Certificate Date : 12-September-2015

KIC KOREA INT'L STANDARDS CERTIFICATION

Authorized by: *[Signature]*
Dong Chae Woon, President

OHSAS 18001:2007

07 LIST OF CERTIFICATES

Chapter.



Quality Management System

CERTIFICATE OF REGISTRATION

Quality Management System

Dae Han Control Co., Ltd.
#39, Gadal 1-ro, Gangseo-gu, Busan, Korea

KIC hereby certifies that the management system of the above organization conforms with the requirement of the following standard :

KS Q ISO 9001:2015 / ISO 9001:2015

This certificate is valid for the following product or service ranges :

Design, Development and Manufacture of Industrial Valves(Butterfly Valve, Check Valve, Gate Valve, Plug Valve and Ball Valve)

Certificate NO. : QSC0805
Valid Until Date : 14-January-2021
Certificate Issue Date : 11-December-2017
Original Certificate Date : 15-January-2000

KOREA INT'L STANDARDS CERTIFICATION

This certificate is intellectual property of KIC Co., Ltd. and can be maintained through surveillance and renewal audits. If you can not maintain the certification, this certificate shall be returned to KIC Co., Ltd.

Authorized by: Dong Chul Won, President

KIC Co., Ltd. has accredited by Korea Accreditation Board as a Certification Body for Quality Management System (Accreditation number : KAB-QC-36)

KIC Co., Ltd. (Yeuksido-dong) #1, 16, Gukhwa-daero 68-gil, Yeongdeungpo-gu, Seoul, Korea TEL : 02-796-0755 FAX : 02-796-0756

ISO 9001:2015

Environmental Management System

CERTIFICATE OF REGISTRATION

Environmental Management System

Dae Han Control Co., Ltd.
#39, Gadal 1-ro, Gangseo-gu, Busan, Korea

KIC hereby certifies that the management system of the above organization conforms with the requirement of the following standard :

KS I ISO 14001:2015 / ISO 14001:2015

This certificate is valid for the following product or service ranges :

Design, Development and Manufacture of Industrial Valves(Butterfly Valve, Check Valve, Gate Valve, Plug Valve and Ball Valve)

Certificate NO. : ESC2365
Valid Until Date : 29-July-2022
Certificate Issue Date : 01-June-2019
Original Certificate Date : 30-July-2010

KOREA INT'L STANDARDS CERTIFICATION

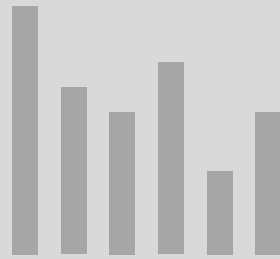
This certificate is intellectual property of KIC Co., Ltd. and can be maintained through surveillance and renewal audits. If you can not maintain the certification, this certificate shall be returned to KIC Co., Ltd.

Authorized by: Dong Chul Won, President

KIC Co., Ltd. has accredited by Korea Accreditation Board as a Certification Body for Environmental Management System (Accreditation number : KAB-EC-27)

KIC Co., Ltd. (Yeuksido-dong) #1, 16, Gukhwa-daero 68-gil, Yeongdeungpo-gu, Seoul, Korea TEL : 02-796-0755 FAX : 02-796-0756

ISO 14001:2009



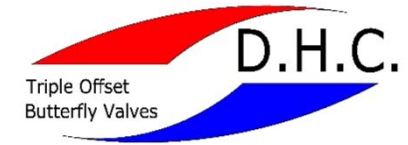
CHAPTER 08.

SUB - CONTRACTORS

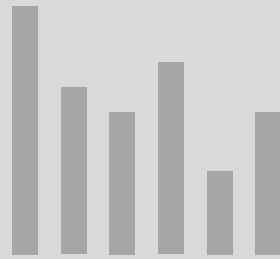
DAEHAN CONTROL CO., LTD.

08 SUB - CONTRACTORS

Chapter.



NO	Company name	Address	Approved. Item	QMS
			Items	Grade
1	Juwon Special Steel Co., Ltd	Factory 1:54,Namyong-ro 544beon-gil, Jinhae-gu, Changwon-si, Gyeongsangnam-do,Korea Factory 2: 11, Dudongseo-ro, Jinhae-gu, Changwon-si,Gyeongsangnam-do, Korea	casting	ISO 9001:2015,TUV, ABS, BV
			cast steel,stainless,special steel	A
2	SMP Co.,Ltd	94, Seobu-ro 1409beon-gil, Juchon-myeon, Gimhae-si, Gyeongsangnam-do, Korea	casting	ISO 9001:2009
			cast steel,stainless,special steel	A
3	Daishin Metal	137, Gamjeoncheon-ro, Sasang-gu, Busan, Korea	casting	KR,LODY'S,DNV GL,ABS,RINABV
			cast steel,stainless,special steel	A
4	TongYang Metal	10, Namyong-ro 474beon-gil, Jinhae-gu, Changwon-si, Gyeongsangnam-do, Korea	casting	ISO 9001:2009
			DUCTILE	A
5	SE KANG M-TEK Co., Ltd	Yongji-ri, Boksu-myeon, Geumsan-gun, Chungcheongnam-do, Korea	casting	KOSHA 18001,ISO 9001,BV DNV,L.R,ABS
			cast steel,stainless,special steel	A
6	SAMWOO METAL Co.,Ltd	93-40, Gomo-ro, Jillye-myeon, Gimhae-si, Gyeongsangnam-do, Korea	casting	BV
			ALBC,B148	A
7	ShinDaeryuk	8, Hwajeonsandan 5-ro 38beon-gil, Gangseo-gu, Busan, Korea	casting	
			ALBC,B148	A
8	Daeshin Metal	81, Hwanggeum-ro 291beon-gil, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea	casting	ISO 9001
			ALBC,B148	A
9	Bokyoung Metal	395, Noksansaneopjung-ro, Gangseo-gu, Busan, Korea	casting	KS Q ISO 9001:2009, ISON 9001:2008
			cast steel,stainless,special steel	A
10	Kwangmyung Metal	127, Daejeo-ro 221beon-gil, Gangseo-gu, Busan, Korea	casting	ISO 9001:2015
			cast steel, stainless, special steel	A
11	SM METAL	33, Gwahaksandan-ro 369beon-gil, Gangseo-gu, Busan, Korea	casting	ISO 14001:2015,ISO 9001:2015, BV,KR,LR,DNV GL,
			investment casting	A
12	Wooil Metal	47, Namui-ro, Jinhae-gu, Changwon-si, Gyeongsangnam-do, Korea	casting	KR,BV,DNV GL,NK,Lloyd ISO 9001:2015
			DUCTILE	A
13	Samsung Metal	82, Saebyeok-ro 63beon-gil, Sasang-gu, Busan, Korea	casting (Ni-Al Bronze)	
			casting (Ni-Al Bronze)	B
14	Daedong Metal	166, Gamjeoncheon-ro, Sasang-gu, Busan, Korea	casting	
			casting	B
15	KPCM	249 Wachonseogil, Wachon-myeon, Gyeongsan-si, Gyeongsangbuk-do, 38412, Korea	Casting, Forged	ISO9001, ISO14001 , AS9100
			Casting, Forged	A



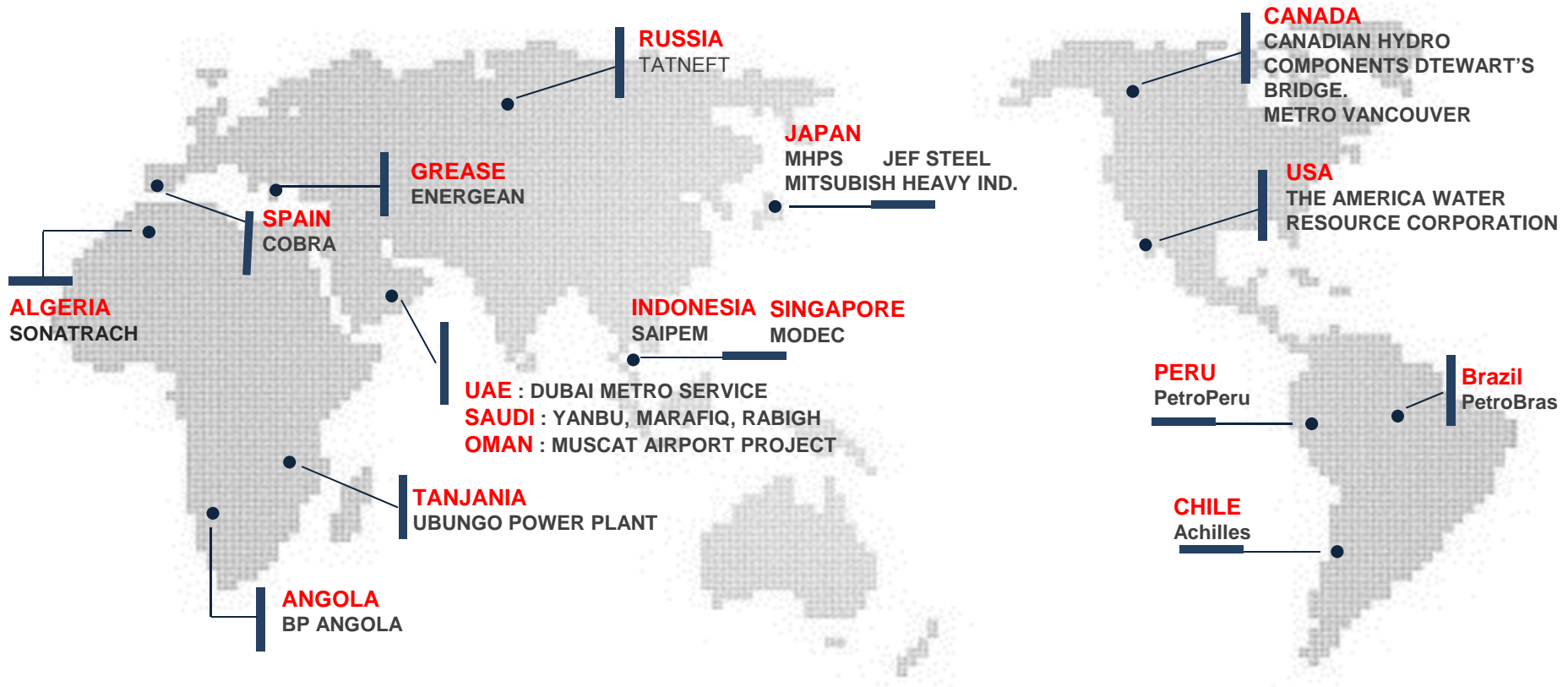
CHAPTER 9.

SUPPLY RECORDS (DOMESTIC/OVERSEAS)





















DAEHAN CONTROL CO., LTD.

























9 SUPPLY RECORDS





















Chapter.



















































MAIN SUPPLY RECORDS << POWER PLANT >> Daehan Control Co.,Ltd






















End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 POSCO E&C	 KOREA	WCB, CF3M	HI-P BFV FLN [RF,FF] M/O	#150	6" ~ 20"	55	2020	POHANG BY-PASS GAS CCPP	POWER PLANT
		SS275	HI-P BFV FLN FF M/O	SZ	DN600 ~ DN3200				
		FCD450	CON BFV WF FF M/O	10K	1200A				
		A536	CON BFV FLN [RF, FF] M/O	#150	14" ~ 44"				
		A536, WCB	HI-P BFV FLN PNEU.	#150	12" ~ 20"				
		SS275	HI-P BFV FLN PNEU.	AWWA CL.B, SZ	34", DN2500, DN3200				
 LOTTE E&C	 KOREA	WCB	HI-P BFV WF G/O	#150	30"	8	2020	LOTTE CHEMICAL DAESAN NC PLANT RECONSTRUCTION SITE	POWER PLANT
 GS POWER	 KOREA	WCB	NON SLAM CHECK VALVE	CL.D, #150	48", 24"	4	2020	ANYANG COMBINED HEAT POWER PLANT	POWER PLANT
 KOREA WESTERN POWER CO.	 KOREA	A536	HI-P BFV WF [MANUAL, ACT.]	#300	6", 8"	22	2020	TAEAN THERMAL POWER PLANT	POWER PLANT
		FC200	[CON, HI-P] BFV WF ACT.	10K	350A				
 SK E&S	 KOREA	WCB	HI-P BFV FLN G/O	#150	32"	1	2020	GWANGYANG LNG POWER PLANT	POWER PLANT
 KOREA MIDLAND POWER CO.	 KOREA	WCB	CON BFV WF [BARE, MANUAL]	#150	2" ~ 14"	257	2020	SHIN SEOCHEON THERMAL POWER PLANT	POWER PLANT
		CF8M	HI-P BFV WF [BARE, MANUAL]	#300	2", 2.5"				
 GS E&C	 KOREA	WCB	NON SLAM CHECK	#150	14"	4	2020	SIHEUNG-MOKGAM DISTRICT COMBINED ENERGY FACILITY	POWER PLANT
 LOTTE E&C	 KOREA	WCB	HI-P BFV FLN BARE	#150	24" ~ 44"	3	2020	NOWON RESOURCE RECOVERY FACILITY	POWER PLANT
 DAEWOO E&C	 KOREA	WCB, A395	CON BFV WF L/O	#150	4" ~ 18"	14	2020	NAMJEJU COMBINED CYCLE POWER PLANT	POWER PLANT
		A536	DUAL CHECK WF	#150	4", 10"				
 KOREA MIDLAND POWER	 KOREA	WCB	CON BFV WF BARE	#150	4" ~ 16"	20	2020	SHIN SEOCHEON THERMAL POWER PLANT FLUE GAS DESULFURIZATION	POWER PLANT

























End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 POSCO ENERGY	 KOREA	A536	HI-P BFV FLN G/O	#125	30"	1	2020	INCHEON POSCO ENERGY	POWER PLANT
 GS E&C	 KOREA	WCB	3-WAY BFV LUG PNEU.	#150	16"*16"	1	2020	GS DANGJIN BIOMASS #2 POWER PLANT	POWER PLANT
 KOSPO KOREA SOUTHERN POWER	 KOREA	CF8M	HI-P BFV WF PNEU.	#150	4", 6"	56	2018 ~2020	HADONG #2~6	POWER PLANT
 SK E&S	 KOREA	WCB	DUAL CHECK V/V FLN	CL.D	32"	1	2019	GWANGYANG LNG POWER PLANT	POWER PLANT
 SK E&C	 KOREA	WCB	CON BFV WF L/O	#150	5" ~ 20"	25	2019	GOSEONG HAI THERMAL POWER PLANT	POWER PLANT
 DOOSAN HEAVY I&C	 KOREA	A536	CON BFV WF PNEU.	#150, CL.D	20", 26"	4	2019	YEONGHEUNG ZLD PJT	POWER PLANT
 DAEWOO E&C	 KOREA	WCB	TRI BFV BW M/O	#300	6"	22	2019	NAMJEJU COMBINED CYCLE POWER PLANT	POWER PLANT
		WCB, A536	CON BFV LUG M/O	#150	16" ~ 20"				
		A536	HI-P BFV FLN M/O	#150	42"				
 SK E&C	 KOREA	A536	NRV FLN HYD.	CL.D	102"	8	2019	GOSEONG HAI THERMAL POWER PLANT	POWER PLANT
 MHPS	 JAPAN	SCPH2	TRI BFV FLN BARE	20K	250A	2	2019	FUKUSHIMA HIRONO IGCC	POWER PLANT
 KOREA EAST-WEST POWER CO., LTD. KOREA WEST-EAST POWER	 KOREA	WCB	TRI BFV FLN BARE	#300	16"	1	2019	ULSAN THERMAL POWER PLANT	POWER PLANT
 HSL CONSTRUCTOR	 MALAYSIA	WCB	CON BFV WF [MANUAL, PNEU. ACT.]	#150	2.5" ~ 10"	94	2019	MELAKA S,242 MW COMBINED CYCLE GAS TURBINE POWER PLANT	POWER PLANT
		A395							
		A536							
 GOSEONG GREEN POWER	 KOREA	A536	HI-P BFV FLN [ACT. / L/O]	150B	4", 6"	16	2019	GOSEONG HAI THERMAL POWER PLANT	POWER PLANT














End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 POSCO ENERGY	 KOREA	WC6	TRI BFV LUG G/O	#600	16"	3	2019	INCHEON LNG COMBINED HRSG COLD REHEATER	POWER PLANT
 KHNP	 KOREA	WCB	HI-P BFV [WF,FLN] [BARE, G/O]	#150	10", 18"	10	2019	HANBIT#2 NUCLEAR POWER	POWER PLANT
 DOOSAN HEAVY I&C	 KOREA	WCB	NON-SLAM CHECK V/V	CL.D, #150	10" ~ 36"	11	2019	GAS TURBIN FACILITY	POWER PLANT
 POSCO ENERGY	 KOREA	A536	HI-P BFV FLN FF BARE	AWWA C207 CL.B	78"	1	2019	SEA WATER CIRCULATING WATER PUMP DISCHARGE VALVE	POWER PLANT
 GOSEONG GREEN POWER	 KOREA	WCB	CON BFV WF BARE	#150	2.5" ~ 8"	97	2019	GOSEONG HAI THERMAL POWER PLANT	POWER PLANT
 POSCO E&C	 KOREA	A536	DUAL PLATE CHECK VALVE	#150	2.5" ~ 34"	102	2018 ~2019	SHINPYEONGTAEK COMBINED CYCLE POWER PLANT (950mW)	POWER PLANT
			CON BFV WF L/O		3" ~ 4"				
			HI-P BFV FLN M/O		20" ~ 96"				
		WCB	DUAL PLATE CHECK VALVE		16" ~ 28"				
			CON BFV LUG G/O		8" ~ 34"				
			CON BFV FLN/LUG M/O		10" ~ 18"				
			3-WAY BFV FLN S/A		28" * 18"				
 CHUGHONAI	 KOREA	WCB, CF3, CF3M, CF8	CON BFV WF [BARE, MANUAL]	#150	2" ~ 10"	228	2018	KAL SELTE CG2 COAL FIRED	POWER PLANT
		WCB, CF8, 4A	HI-P BFV FLN MANUAL	#150, #300, #600	3" ~ 16"				
 PLN	 INDONESIA	A126 CL.B + RUBBER LINED / B148 C95800	CON BFV WF G/O	#150	20"	11	2018	LOMBOK GECC POWER PLANT (PEAKET) 130-150MW	POWER PLANT
			DUAL PLATE CHECK VALVE		24", 32"				
			OS&Y GATE VALVE		4", 14"				
 PYEONGTAEK E&S	 KOREA	S304	CONTROL DAMPER VALVE G/O	10K	350A	1	2018	OSUNG LNG POWER PLANT	POWER PLANT
 KOWEPO	 KOREA	WCB+STL	TRI BFV FLN BARE	#300	16"	1	2018	PYONGTAEK THERMAL POWER PLANT	POWER PLANT

End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 GS POWER	 KOREA	WCB	NON-SLAM CHECK VALVE FLN	#150	24", 26"	4	2018	ANYANG DH HEAT SUPPLY FACILITY EXPANSION	POWER PLANT
 SK E&S	 KOREA	WCB	HI-P BFV WF G/O	#150	24"	6	2018	GWANGYANG LNG POWER PLANT	POWER PLANT
 KOREA WESTERN POWER CO.	 KOREA	A536	CON BFV WF ACT.	#125	40"	2	2018	TAEAN THERMAL POWER PLANT	POWER PLANT
 KOREA MIDLAND POWER CO.	 KOREA	A536	CON BFV WF ACT.	#150	6"	8	2018	SHIN SEOCHON POWER PLANT	POWER PLANT
		WCB+PFA	PLUG VALVE		2"				
 KOREA SOUTH-EAST POWER CO.	 KOREA	A395	HI-P BFV FLN M/O	AWWA C504 CLASS 75B	66"	9	2018	SAMCHEONPO POWER PLANT	POWER PLANT
		WCB	DUAL CHECK V/V	#150	24"				
		WCB	CON BFV WF BARE	#150	24"				
 SK ENERGY	 KOREA	WCB	CON BFV WF L/O	#150	3" ~ 6"	14	2018	GWANGYANG LNG POWER PLANT	POWER PLANT
 MHPS	 JAPAN	SCPH2	TRI BFV FLN BARE	20K	250A	2	2018	FUKUSHIMA NAKOSO IGCC	POWER PLANT
		WCB	TRI BFV FLN BARE	#300	22"	2	2018	INDONESIA JAWA II PJT CCGT	
 KOREA WESTERN POWER CO.	 KOREA	A126 CL.B	CON BFV WF ACT.	#150	8", 14"	17	2017	KOREA WESTERN POWER	POWER PLANT
			TRI BFV WF ACT.		14"				
 KOREA MIDLAND POWER CO.	 KOREA	CF8	TRI BFV LUG G/O	#300	8", 12"	36	2017	JEJU COMBINED ENERGY PJT	POWER PLANT
		A240 Ty.304	BUTTERFLY DAMPER FLN G/O		24"				
 TOSYALI	 ALGERIA	SS400	HI-P BFV FLN BARE	#150	30" ~ 72"	9	2017	ANGE ALGERIA ARZEW REGION PJT	POWER PLANT
			DAMPER BFV FLN BARE		72"				
 DOOSAN HEAVY I&C	 INDONESIA	WCB	CON BFV FLN MOV	#150	14", 18"	8	2017	GRATI BLOCK2 ADD-ON PJT,150 MW PASURUAN-EAST JAVA	POWER PLANT
			HI-P BFV FLN MOV	#150	16", 20"				
 SK E&C	 KOREA	CF8	DUAL PLATE CHECK VALVE	#150	6"	3	2017	GWANGYANG LNG POWER PLANT	POWER PLANT
 HANJIN HEAVY I&C	 KOREA	A572 Gr.50	NON SLAM CHECK VALVE	#150	350A, 450A	3	2017	MAGOK COMBINED ENERGY PJT	POWER PLANT






















End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry	
 HANJIN HEAVY I&C	 KOREA	SCPH2	SWING CHECK VALVE	10K	450A	1	2017	MAGOK COMBINED ENERGY PJT	POWER PLANT	
 LOTTE E&C	 KOREA	WCB	NON SLAM CHECK VALVE RF	#150	12" ~ 16"	6	2017	NAEPO NEW TOWN COMBINED HEAT & POWER PLANT PJT	POWER PLANT	
 HANJIN HEAVY I&C	 KOREA	516 Gr.70	HI-P BFV BW G/O	#150	8" ~ 32"	20	2017	MAGOK COMBINED ENERGY PJT	POWER PLANT	
 POSCO E&C	 KOREA	[WCB/CF8]	CON BFV WF [ACT/LEVER]	#150	2 1/2" ~ 12"	104	2017	MASINLOC POWER PLANT EXPANSION PJT	POWER PLANT	
 GS POWER	 KOREA	WCB	NON SLAM CHECK VALVE	CL.D #150	24", 48"	4	2017	ANYANG COMBINED HEAT & POWER PLANT	POWER PLANT	
 HYUNDAI E&C	 INDONESIA	WCB	TRI BFV MANUAL	6" ~ 30"	48	2018	2017	SARULLA GEOTHERMAL POWER PJT	POWER PLANT	
 DOOSAN HEAVY I&C	 KOREA	WCB+STL#6	NON SLAM CHECK VALVE	#150, #300	22" ~ 26"	16	2017	HWASUNG/DONGTAN 2 COMBINED HEAT & POWER PLANT	POWER PLANT	
 POSCO E&C	 KOREA	A536	CON BFV [WF/FLN] M/O	#150	6", 10", 26"	20	2016	YEONGNAM NATURAL GAS POWER PLANT	POWER PLANT	
		WCB	CON BFV LUG M/O	#150	20"					
		WCB	3-WAY BFV LUG P/O	#150	20"X16"					
		[CF8 / WCB]	GATE VALVE BW	#150	3", 8"					
		A536+R.L	HI-P BFV FLN M/O	#150	96"					
 DOOSAN HEAVY I&C	 KOREA	A536	CON BFV FLN M/O	#150	40"	10	2016	YEONGDONG HEAT POWER PLANT	POWER PLANT	
			CON BFV [WF/LUG] L/O	#150	3", 4"					
 HANJIN HEAVY I&C	 KOREA	WCB	NON SLAM CHECK VALVE	#150	12", 22"	4	2016	OHSUNG COMBINED CYCLE POWER PLANT	POWER PLANT	
 DOOSAN HEAVY I&C	 KOREA	WC6	LOW PRESSURE [STOP VAVLE/CONTROL VALVE]	#150	18"	16	2016	HWASUNG/DONGTAN COMBINED HEAT & POWER PLANT	POWER PLANT	
			MAIN EXTRACTION [STOP VAVLE/CONTROL VALVE]	#150	56"					
		WC6	LOW PRESSURE [STOP VAVLE/CONTROL VALVE]	#150	24"		2016			SEOUL COMBINED HEAT & POWER PLANT
			MAIN EXTRACTION [STOP VAVLE/CONTROL VALVE]	#150	56"					









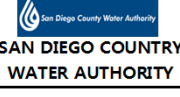





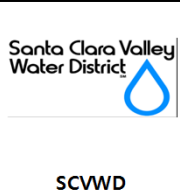







End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 MOOG JAPAN	 JAPAN	WCB	LPSV TRI BFV HYD ACT.	#300	18"	14	2015 ~2016	DUKE ENERGY, CANADA PJT / TAIWAN PJT	POWER PLANT
 GS E&C	 SAUDI	A240Ty.304[316L]	DAMPER FLN RF PNEUMATIC HI-P BFV FLN RF [PNEUMATIC / BARE STEM]	CL75, CL175	28", 36 44" ~ 84"	35	2015	RABIGH II PROJECT	POWER PLANT
		A240Ty.304[316L]	DAMPER FLN RF MANUAL	#75, #150, #175	4" ~ 68"				
 SAMSUNG ENG.	 SAUDI	A395	CON BFV WF LUG MANUAL	#150	6" ~ 18"	58	2015	 المرافق السعودية + Saudi Aramco SAUDI ARAMCO 3rd PARTY COGENERATION PJT	POWER PLANT
 DOOSAN HEAVY I&C	 KOREA	A105 + STELLITE	GLOBE VALVE SW H/W	#600	1" ~ 2"	42	2015	TAEAN #9,10 PJT	POWER PLANT
 DOOSAN HEAVY I&C	 UAE	A105	GLOBE VALVE SW	#600, #900	0.5"~1.5"	202	2014 ~2017	BARAKAH NPP TG #1~4 PROJECT	NEWCLEAR POWER PLANT
		F11 CL.2	LIFT CHECK VALVE	#2500	1"				
		WCB +STELLITE	SWING CHECK VALVE	#150	4"				
		WCB + STELLITE	GATE VALVE	#150	4"				
 HYUNDAI E&C	 KOREA	WCB / F304 / A105+STELLITE	METAL SEATED BALL VALVE [FLN / SW TYPE]	#150 ~ #600	1" TO 4"	1012	2014 ~ 2016	SAMCHEOK GREEN POWER	POWER PLANT
		WCB	TRIPLE OFFSET BUTTERFLY VALVE MANUIAL	150LB	28"				
 HYUNDAI E&C	 ALGERIA	WCB, CF8M	TRI BFV WF L/O	#150	1 1/2" ~ 6"	158	2014 ~2016	AIN ARNAT COMBINED CYCLE POWER PLANT	POWER PLANT
		WCB	CON BFV WF [L/O, G/O]		4" ~ 10"				
		WCB	HI-P BFV		16"				
		WCB	DUO PLATE CHECK VALVE [WF/FLN]		3" ~ 16:				
 POSCO ENERGY	 KOREA	A536 + R.L	HI-PERFORMANCE BFV	CL.B	78" 108"	4	2014	POSCO ENERGY POWER PLANT #5,6	POWER PLANT
 SK E&S	 PANAMA	A536+R.L	HI-P BUTTER FLY VALVE FLANGE TYPE ACTUATOR	#150	60"	12	2014	PACO COAL FIRED POWER PLANT	POWER PLANT
 KOREA WESTERN POWER CO.	 KOREA	A395	CONCENTRIC BUTTERFLY VALVE WAFER PNE.	#150	34"	6	2014	TAEAN #5,6 ARP	POWER PLANT



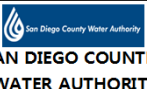



















End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 DOOSAN HEAVY I&C	 KOREA	A105 + STELLTE	GLOBE VALVE SW H/W	#600	0.75" ~ 2"	45	2014	TAEAN #9,10 PJT	POWER PLANT
 DOOSAN HEAVY I&C	 KOREA	WC6	LOW PRESSURE [STOP VAVLE/CONTROL VALVE]	150LB	16"	4	2014	HANAM COMBINED HEAT & POWER PLANT PJT	POWER PLANT
			MAIN EXTRACTION [STOP VAVLE/CONTROL VALVE]	150LB	48"				
 KOREA DISTRICT HEATING CORP.	 KOREA	A105 + STELLITE	MOV GATE VALVE	150LB, 600LB	1", 2"	7	2014	ULSAN CCGP PROJECT	POWER PLANT
		WCB + STELLITE			4", 8"				
 POSCO ENERGY	 KOREA	A536+R.L	HI-P BUTTERFLY VALVE FLANGE TYPE	AWWA C207 CL.B	78", 108"	18	2013~ 2016	INCHEON COMBINED CYCLE POWER PLANT UNIT 5~9	POWER PLANT
		A536+R.L / WCB	HI-P BUTTERFLY VALVE LUG / FLANGE TYPE	150LB	14" ~ 92"				
		A536+R.L	NON RETURN CHECK VALVE	150LB	68"				
 POSCO E&C	 KOREA	A216 WCB	3-WAY BUTTERFLY CONTROL VALVE	150LB	500 * 300A	1	2013	ANSAN COMBINED CYCLE POWER PLANT	POWER PLANT
 GREEN CORE	 PHILIPPINES	A126CL.B+R/L	HI-P BUTTERFLY VALVE FLANGE TYPE RF G/O	USER SPEC	60"	2	2013	POWER PLANR in PHILIPPINES, SUCTION VALVE	POWER PLANT
 DOOSAN HEAVY I&C	 KOREA	WC6	MAIN EXTRACTION [STOP VAVLE/CONTROL VALVE]	150LB	66"	2	2013	YANGJU COMBINED HEAT & POWER PLANT PJT	POWER PLANT
			LOW PRESSURE [STOP VAVLE/CONTROL VALVE]	150LB	18"				
 DOOSAN HEAVY I&C	 KOREA	WC6	LOW PRESSURE [STOP VAVLE/CONTROL VALVE]	150LB	20"	4	2013	POCHEON STEAM TURBINE PJT	POWER PLANT
 MEW KUWAIT	 KUWAIT	[WCB+R.L/316L] [CF3M+PTFE]	NON SLAM CHECK VALVE HYD CYL	#150	6" ~ 18"	63	2013	COMBINED CYCLE POWER PJT CCGT-2	POWER PLANT
		WCB+R.L/316L	GATE VALVE FLANGE TYPE G/O	#150	10" ~ 12"				
		[F316L/F316L+ENP]	FLOTING BALL VALVE FLANGE TYPE MANUAL OP	#600	1"				
 POSCO E&C	 KOREA	A516 Gr.70	HI-PERFORMANCE B/V	150LB	120"	4	2012	POHANG COMBINED CYCLE POWER PLANT	POWER PLANT
 SAMSUNG ENG.	 MEXICO	WCB	CONCENTRIC BUTTERFLY VALVE	150LB	6" TO 12"	20		NORTE II CCGT POWER PJT.	POWER PLANT
 DOOSAN HEAVY I&C	 KOREA	WCB	MAIN EXTRACTION [STOP VAVLE/CONTROL VALVE]	150LB	66"	4	2012	SEJONG COMBINED HEAT & POWER PLANT PJT	POWER PLANT
			LOW PRESSURE [STOP VAVLE/CONTROL VALVE]	150LB	18"				

End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 HANJIN HEAVY I&C	 KOREA	A234WPB	T-STRAINER	150LB	10" TO 28"	21	2012	YANGJU COMMUNITY ENERGY SYSTEM PJT	POWER PLANT
		A216WCB / 13Cr.	NON SLAM CHECK VALVE	150LB	16" TO 26"				
		A216WCB / 13Cr.	NON SLAM CHECK VALVE	150LB	12" , 16" , 20"	21	2011	CFBC IN UJJUNBU CFBC IN NAMYANGJU	
 DOOSAN HEAVY I&C	 QATAR	A890 5A	CONCENTRIC BUTTERFLY VALVE	150LB	4"	32	2011	QATAR QATALUM PROJECT.	POWER PLANT
	 INDIA	A216WCB	HI-PERFORMANCE B/V	300LB	3" , 4"			DOOSAN AT RAIPUR PJT.	
 TECHNOFLOW	 TANZANIA	WCB	ELECTRIC CONTROL 3-WAY BALL VALVE	150LB	10" TO 20"	51	2011	UBUNGO POWER PLANT EXPANSION PROJECT TANZANIA	POWER PLANT
 HYUNDAI E&C	 ROMANIA	A216 WCB	DUO CHECK VALVE	150 LB	16" TO 24"	10	2011	Alum Tulcea Project	POWER PLANT
 SK E&C	 KOREA	A216WCB	NON RETURN & CONTROL BUTTERFLY VALVE	150LB	60"	2	2011	OSEONG COMBINED CYCLE POWER PLANT	POWER PLANT
 HYUNDAI E&C	 KOREA	A216 WCB	NON SLAM CHECK VALVE	150LB	450A TO 700A	36	2010	DAEJEON ENERGY PROJECT	POWER PLANT
		A216 WC6	3WAY BALL VALVE	1500LB	6"				
		A216 WCB	COMBINED CHECK VALVE	150LB	400A TO 600A	18		KOYANG SAMSUNG ENERGY PROJECT	

















MAIN SUPPLY RECORDS << WATER WORKS >> Daehan Control Co.,Ltd























End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 INLAND EMPIRE UTILITIES AGENCY	 USA	A536 65-45-12	HI-P BFV FLN G/O	#125	16"	2	2020	IEUA - CARPENTER AVE SEWER AND RECYCLED WATER LINE SCHEDULE A&B	WATER TREATMENT
 IRVINE RANCH WATER DISTRICT	 USA	A536	HI-P BFV FLN BARE	#150	20"	1	2020	IRVINE RANCH WATER DISTRICT	WATER TREATMENT
 THE SOUTH TAHOE PUBLIC UTILITY DISTRICT	 USA	CF8M	TRI BFV FLN G/O	#300, #600	12", 24"	6	2020	LUTHER PASS PUMP STATION IMPROVEMENTS PJT	WATER TREATMENT
The Municipal Drinking Water and Sewerage Company of Guayaquil, EMPAG EP	 ECUADOR	A536	AWWA DAMPER FLN G/O	CL.D	6" ~ 40"	71	2020	H&H SEWAGE TREATMENT INDUSTRY	WATER TREATMENT
		A536	KNIFE GATE V/V LUG	CL.D	36", 72"	2			
		A536	AWWA BALL V/V	#150	8"	2			
 THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	 USA	CF8M	SERIES 200 CHECK VALVE	#300	12", 20", 30"	4	2020	GREG AVE. PRESSURE CONTROL STRUCTURE	WATER TREATMENT
 METROVANCOUVER	 CANADA	WCB	TRI BFV FLN [MANUAL, ACT]	#150	36". 48"	8	2019 ~2020	GREATER VANCOUVER WATER DISTRICT	WATER TREATMENT
 LOTTE CHEMICAL	 KOREA	CF8M	HI-P BFV WF [G/O, PNEU. ACT]	#150	3" ~ 8"	57	2019	LOTTE CHEMICAL ULSAN PLANT	WATER TREATMENT
 SANTA CLARA VALLEY WATER DISTRICT	 USA	WCB	TRI BFV FLN M/O ACT.	CLASS.E	42", 60", 66"	7	2019	SANTA CLARA VALLEY WATER DISTRICT	WATER TREATMENT
 KHNP	 KOREA	WCB	CON BFV WF [MANUAL, ACT.]	#150	2" ~ 18"	65	2019	SHN SEAWATER DESALINATION SYSTEM	SEAWATER DESALINATION
			HI-P BFV WF L/O	#300	6"				
 LAS VEGAS VALLEY WATER DISTRICT	 USA	A536	HI-P BFV FLN ACT.	#150	6" ~ 54"	148	2018 ~2020	SOUTHEN NEVADA WATER AUTHORITY	WATER TREATMENT
 TC CONSTRUCTION	 USA	WCB	TRI BFV FLN G/O	#150	36", 48", 66"	5	2018	SAN DIEGO MID CITY PIPELINE	WATER TREATMENT









End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 CONOCOPHILIPS	 PHILIPPINES	WCB	HI-P BFV WF L/O	#150	2"	12	2018	SUBAN COMPRESSION PJT	WATER TREATMENT
			TRI BFV WF L/O		4" ~ 8"				
 OLTIN YO'L GTL OLTIN YO'L GTL	 UZBEKISTAN	WCB	TEFLON LINED BFV LUG G/O	#150	4"	6	2018	UZBEKISTAN GAS TO LIQUID PJT	WATER TREATMENT
 WATER RESOURCES OF CALIFORNIA	 USA	CF8M	DOUBLE OFFSET BUTTERFLY VALVE LUG G/O	#150, #300	3" ~ 8"	45	2016	CRAFTON HILLS PUMP STATION EXPANSION	WATER TREATMENT
 PMP PRECISION VALVE CO. LTD. PMP	 CANADA	CF8	TRI BFV FLN BARE	#150	42"	1	2015	VG ENGINEERING INC.	WATER TREATMENT
 SAN DIEGO COUNTRY WATER AUTHORITY	 USA	WCB	TRI BFV FLN G/O (GEAR 2" NUT)	#150	30" ~ 72"	4	2015	INLAND EMPIRE UTILITIES AGENCY - RP1 OUTFALL RELOCATION CITY OF ONTARIO	WATER TREATMENT
 KOREA DISTRICT HEATING CORP.	 KOREA	WCB	NON-SLAM CHECK VALVE HYD CYL.	#150	14"	3	2014	GWANGMYEONG BOOSTER PUMP STATION	WATER TREATMENT
		SCPH2	HI-PERFORMANCE BUTTERFLY VALVE WAFER/FLANGE TYPE	10K	350A ~ 800A	30		MAPO-BOOSTER PUMP STATION	BOOSTER PUMP STATION
 PACIFIC GAS & ELECTRIC	 USA	WCB	HI-P BUTTERFLY VALVE FLANGE TYPE GEAR OP	#150	60"	2	2014	POTTER VALLEY PENSTOCK REPLACEMENT	WATER TREATMENT
 SCVWD	 USA	WCB	TRIPLE&HI-PERFORMANCE BUTTERFLY VALVE	CL.D	60" ~ 66"	3	2014	RINCONADA WATER TREATMENT PLANT	WATER TREATMENT
				#150	12" ~ 42"	20			
		WCB	TRIPLE BUTTERFLY VALVE FLANGE TYPE GEAR OP'	#150, #300	8", 12"	11		CARLSBAD DESALINATION PIPELINE	
C207 CL.E	54" ~96"	7							
 CONAGUA	 MEXICO	A395+RUBBER SEAT	HI-P BUTTERFLY VALVE FLANGE TYPE	PN40	DN2850	4	2014	CONAGUA CUTZAMALA RAW WATER PUMPING STATION	WATER TREATMENT
 SCVWD	 USA	WCB	TRIPLE OFFSET BUTTERFLY VALVE	C207 CL.D FF	60", 72"	2	2013	RINCONADA WATER TREATMENT PLANT	WATER TREATMENT
 SAN DIEGO COUNTRY WATER AUTHORITY	 USA	WCB	TRIPLE OFFSET BUTTERFLY VALVE FLANGE TYPE ACT.	#150	54", 72"	2	2013	TWIN OAKS VALLEY WTP IMPROVEMENTS	WATER TREATMENT

End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 DWRSC	 USA	CF8M+PTFE	BALL VALVE FLANGY TYPE GEAR OPERATOR	#300	6",8" 10",12"	10	2013	DWR PROJECT CRAFTON HILLS PS EXPANSION / CITRUS PS	WATER TREATMENT
 SAN DIEGO COUNTY WATER AUTHORITY	 USA	WCB	TRIPLE OFFSET BUTTERFLY MOTOR OP.	300LB	48"	1	2013	AA PIPELINE TURN OUT	WATER TREATMENT
 RCWD	 USA	WCB	TRIPLE OFFSET BUTTERFLY [GEAR OP. / MOTOR OP.]	150LB	36", 48"	4	2013	VAIL LAKE CONVEYANCE DREISSENA MUSSEL CONTROL FACILITIES	WATER TREATMENT
 BOROUGE	 UAE	WCB+RL	HI-PERFORMANCE BUTTERFLY	150LB	72"	4	2012	SEA WATER BASIN PROJECT	SUB-SEAWATER SUPPLY PIPELINE
 SDCWA	 USA	WCB	TRIPLE OFFSET BUTTERFLY MOTOR OP.	150LB	60"	1	2012	BAY DIVISION PIPELINE, PENINSULA REACH 5	WATER TREATMENT
 DOOSAN HEAVY I&C	 SAUDI	F316	BALL VALVE	PN10	15A TO 150A	111	2012	MARAFIQ-YANBU SWTP PJT	SANITARY WASTEWATER TREATMENT PLANT
 PMP PRECISION VALVE CO. LTD. PMP	 CANADA	A536	TURBINE ISOLATION BUTTERFLY VALVE, BI-DIRECTION FLOW	AWWA C207	78"	1	2011	CANADIAN HYDRO COMPONENTS DTEWART'S BRIDGE	WATER TREATMENT
CITY & COUNTY OF SAN FRANCISCO	 USA	WCB	BUTTERFLY VALVE & DOUBLE DOOR CHECK VALVE	250LB	12" TO 78"	9	2011	San Joaquin Pipeline #4 Eastern System	WATER TREATMENT
 SEWOONG	 KOREA	B148 C95800	CONTROL BUTTERFLY VALVE PNEUMATIC CONTROL	PN10	DN1400	2	2011	SWCC PROJECT	WATER TREATMENT
 PMP PRECISION VALVE CO. LTD. PMP	 CANADA	WCB	TRIPLE OFFSET BUTTERFLY	150LB	60"	1	2010	BAY DIVISION PIPELINE RELIABILITY UPGRADE CITY OF SANFRANCISCO	WATER TREATMENT
	 USA	WCB	TRIPLE OFFSET BUTTERFLY	150LB	16" TO 60"	73	2010	Vail Lake Project Rancho California Water District	
 HYOSUNG EBARA	 KOREA	A890 5A	GLOBE & BALL VALVE	900LB	50A TO 100A	24	2010	SMART PROJECT	SEA WATER DESALINATION
			DUO CHECK VALVE	900LB	50A TO 100A				



















MAIN SUPPLY RECORDS << OIL / GAS & Refinery >> Daehan Control Co.,Ltd






End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 SK E&C	 KOREA	WCB	TRI BFV FLN G/O	#150	44"	8	2020	ULSAN UNDERGROUND STORAGE CONSTRUCTION	OIL & GAS
		WCB	DUAL CHECK VALVE FLN	#150	12				
 GMI	 PERU	WCB	CON BFV FLN G/O	#150	24 ~ 72"	71	2019	MODERNIZATION PJT OF THE TALARA REFINERY	REFINERY
			HI-P BFV FLN M/O ACT.		42", 56"				
			DUAL CHECK VALVE		28" ~ 72"				
			SWING CHECK VALVE		42"				
 KC COTTRELL	 KOREA	WCB/EPDM	CON BFV WF L/O	#150	2" ~ 18"	182	2019	SPCO GAS COOLER & WET EP for FERROCOKES PILOT PLANT	REFINERY
		WCB/RTFE	HI-P BFV [WF, LUG] MANUAL						
		FCD450 / PTFE	MANUAL HI-P BFV WF	10K	80A ~ 350A				
		SCPH2 / PTFE							
 HYUNDAI OILBANK	 KOREA	WCB	NON SLAM CHECK FLN HYD.	#150	42"	2	2019	HYUNDAI OIL BANK	OIL & GAS
 FLUOR	 PHILIPPINES	WCB	DUAL CHECK VALVE	#150	2" ~ 38"	114	2018 ~2019	OSBL FOR STAGE 1 EXPANSION PJT	OIL & GAS
		WCB	HI-P BFV LUG L/O, G/O	#150	3" ~ 42"				
			TRI BFV LUG L/O, G/O		14", 16"				
		LCB	HI-P BFV LUG G/O	#300	14", 16"				
		C95800	HI-P BFV LUG G/O	#150	28", 42"				
WCB	TRI BFV LUG G/O	#150	14"						
 GASCO	 UAE	WCB	CON BFV LUG G.O	#150, #300	4" ~ 20"	21	2018	ABU DHABI - ADNOC GAS PROCESSING	OIL & GAS
 SPPC	 KOREA	WCB	TRI BFV FLN BARE	#300	18"	2	2017	KOREA SHIN PYEONGTAEK 3	NATURAL GAS PLANT
 GASCO	 UAE	WCB	TRI BFV WF L/O	#150	3"	8	2016 ~2017	ABU DHABI GAS COMPANY PJT -MRO	OIL & GAS

End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 SK E&C	 KOREA	CF8	TRI BFV FLN G/O TRI BFV LUG G/O	#300	14", 18"	2	2016	FCC FLEXIBILITY PJT	REFINERY
 ADGAS	 UAE	CF8M	CRYOGENIC BFV PNEU. ACT.	#150	8"	2	2016	ABU DHABI GAS COMPANY PJT -MRO	OIL & GAS
 SAIPEM	 INDONESIA	WCB	CON BFV WAFER	#150	2" ~ 24"	295	2015 ~2016	JANGKRIK COMPLEX PJT	OIL & GAS
		C95800	HI-P BFV LUG TYPE		3" ~ 24"				
		A590 5A	HI-P BFV WF TYPE		32"				
 PETROSAND	 UAE	WCB	CON BFV WF G/O	#150	12"	2	2015	KADDAS OIL FIELD SERVICES	OIL & GAS
		WCB	HI-P BFV WF G/O		40" ~ 44"				
 GASCO	 UAE	WCB	CON BFV LUG	#150, #300	4" ~ 42"	22	2015	ABU DHABI GAS COMPANY PJT -MRO	OIL & GAS
 SK ENERGY	 KOREA	CF8C	TRI BFV FLN RTJ PNE.	MAKER STD	78"	37	2015	SK GAS ULSAN PDH PJT	CHEMICAL PLANT
		[LCB/CF8/CF8C]	TRI BFV LUG / FLANGE [PNE. / M/O / BARE]	#150, #300 USER SPEC	2" ~ 78" (CRYOGENIC)				
		WCB	HI-P BFV LUG BARE	#150 / #300	24" ~ 48"				
		A516-70	SWING CHECK VALVE DOUBLE HYD CYL.	#175	66"				
 ADGAS	 UAE	WCB	TRI BFV FLN G/O	#150	30" ~ 36"	2	2015	IGDP EI EXPANSION PJT	OIL & GAS
 HYUNDAI ENG.	 PAKISTAN	[WCB + PTFE] [CF8M + PTFE]	HI-P BUTTERFLY VALVE WAFER TYPE	#150, #300	3" ~ 20"	11	2014	PAKISTAN ATTOCK REFINERY UPGRADATION PJT (ATOM PROJECT)	REFINERY
		WCB + STELLITE	SEMI STEAM JACKET BFV WF	#150	10"				
 ALTON International	 INDIA	CF8M+STL(#21)	HI-P BUTTERFLY VALVE FLANGE TYPE RF ACT.	#150	8" ~ 26"	11	2013	CAIRN ENERGY INDIA LTD.	OIL & GAS
 ADGAS	 UAE	CF8M	ON-OFF BUTTERFLY VALVE(Cryogenic)	#150	8"	3	2013	ABU DHABI GAS COMPANY PJT -MRO	OIL & GAS
		A352LCB+STL	ON-OFF BUTTERFLY VALVE FLANGE TYPE ACTUATOR		8", 22"				
 HYUNDAI E&C	 UZBEKISTAN	WCB	TRIPLE OFFSET BUTTERFLY VALVE	150LB	2" TO 16"	275	2013	UZBEKISTAN UGCC PROJECT	GAS & CHEMICAL





















End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 FENIWA	 GERMANY	A352 LCB	TRIPLE OFFSET BUTTERFLY VALVE	300LB	12" , 20"	13	2011	NACE MR-0103 , wet H2S & Amine-Containing service , Hydrocarbons with H2 and H2S Gas	OIL & GAS
		A351 CF8C	HIGH TEMP. TRIPLE OFFSET BUTTERFLY VALVE	300LB	12" , 20"		2011	TEMP.385°C~435°C LIFE TIME:5000CYCLES/100,000h	
 SAMSUNG ENG,	 ALGERIA	A351 CF8	CONCENTRIC DESIGN BUTTERFLY VALVE	150LB	3" to 18"	288	2011	SKIKDA REFINERY PROJECT	REFINERY
		A216 WCB	TRIPLE OFFSET BUTTERFLY VALVE, BI-DIRECTION FLOW	150LB, 300LB	8" ~ 28"				
 ZURICH CHILE	 CHILE	2205 DUPLEX	METAL SEAT BALL VALVE	600LB	2"	5	2011	HIDRAULIC ACTUATOR W/HIDRAURIC OIL POWER	MINE
 SAMSUNG ENG.	 ALGERIA	WCB + ST	TRIPLE OFFSET B/V	150LB , 300LB	8" TO 28"	81	2010	SKIKDA REFINERY PROJECT	REFINERY















AIN SUPPLY RECORDS << CHEMICAL >> Daehan Control Co.,Ltd















End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 LOTTE E&C	 KOREA	WCB	HI-P BFV WF G/O	#150	30"	8	2020	LOTTE CHEMICAL DAESAN NC PLANT RECONSTRUCTION SITE	CHEMICAL PLANT
 LOTTE CHEMICAL	 KOREA	CF8M	HI-P BFV WF [G/O, PNEU. ACT]	#150	3" ~ 8"	57	2019	LOTTE CHEMICAL ULSAN PLANT	CHEMICAL PLANT
 SK E&C	 KOREA	CF8M	HI-P BFV LUG PNEU.	#150	6" ~ 12"	54	2018	S-PJT	CHEMICAL PLANT
		CF8M	TRI BFV LUG PNEU.		6"				
		WCB	TRI BFV WF LUG G/O	#150	8", 10"				
		CF8		8"					
 SK ENERGY	 KOREA	CF8C	TRI BFV FLN RTJ PNE.	MAKER STD	78"	37	2015	SK GAS ULSAN PDH PJT	CHEMICAL PLANT
		[LCB/CF8/CF8C]	TRI BFV LUG / FLANGE [PNE. / M/O / BARE]	#150, #300 USER SPEC	2" ~ 78" (CRYOGENIC)				
		WCB	HI-P BFV LUG BARE	#150 / #300	24" ~ 48"				
		A516-70	SWING CHECK VALVE DOUBLE HYD CYL.	#175	66"				
 ULSAN HYOSUNG	 KOREA	CF8M	TRIPLE BUTTERFLY VALVE WF TYPE	#150	3" ~ 10"	3	2015	POK-1 PLANT PROJECT	CHEMICAL PLANT
 HANHWA CHEMICAL	 KOREA	A351 CF3M	JACKETED GATE VALVE	PN16	DN400	1	2013	HANHWA CHEMICAL ULSAN 3RD FACTORY	CHEMICAL PLANT
			JACKETED BUTTERFLY VALVE			1			
 HYUNDAI E&C	 UZBEKISTAN	WCB	TRIPLE OFFSET BUTTERFLY VALVE	150LB	2" TO 16"	275	2013	UZBEKISTANUGCC PROJECT	GAS & CHEMICAL
 POSCO PLANTEC	 THAILAND	WCB	NON SLAM CHECK VALVE HYD CYL	150LB	32"	1	2013	THAILAND MOC PJT	CHEMICAL PLANT
 HANHWA E&C	 KOREA	A216 WCB	HI-PERFORMANCE & TRIPLE OFFSET BUTTERFLY VALVE	150LB	2"~24"	93	2013	HANHWA ORANGE PROJECT	CHEMICAL PLANT
			PTFE LINED BUTTERFLY VALVE	150LB	6"~24"				





End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 JACOBS	 MOROCCO	A126	HI-PERFORMANCE BFV	150LB	6" TO 16"	98	2012	DI-AMMONIUM PHOSPHATE PLANT	CHEMICAL PLANT
		SS UB6	HI-PERFORMANCE BFV	160LB	6" TO 16"				
		HASTELOY-C276	SWING CHECK VALVE	300LB	3" TO 8"				
		WCB	HI-PERFORMANCE BFV	150LB	8"				
PNK INDUSTRY	 KOREA	A216 WCB	HI-PERFORMANCE B/V	JIS20K	50A TO 400A	72	2011	LGD PAJU R&D CENTER.	CHEMICAL PLANT
 SINOPEC SINOPEC	 SAUDI	WCB	JACKET TYPE METAL BALL VALVE	900LB	3" , 6"	3	2011	SAUDI KAYAN LDPE PROJECT	PETROCHEMICAL COMPLEX

MAIN SUPPLY RECORDS << STEEL MILL >> Daehan Control Co.,Ltd





















End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 HYUNDAI STEEL HYUNDAI STEEL	 KOREA	SS400	PNEUMATIC BUTTERFLY VAVLE	10K(2K)	1500A	3	2020	DANGJIN STEEL MILL PLANT	STEEL MILL PLANT
 HYUNDAI STEEL HYUNDAI STEEL	 KOREA	SM400B	WAST GAS BYPASS VALVE	-	DN2600	1	2019	HYUNDAI STEEL HEAT EXCHANGER REPLACEMENT	STEEL MILL PLANT
 POSCO	 KOREA	SS400 / SILICON	GOGGLE VALVE FLN M/O	5K	DN2600	1	2019	POHANG POSCO	STEEL MILL PLANT
 PT KRAKATAU POSCO	 INDONESIA	FC	CON BFV WF G/O	10K	350A ~ 550A	6	2019	KRAKATAU POSCO	STEEL MILL PLANT
 POSCO E&C	 KOREA	SS400	DAMPER FLN G/O	#150	16" ~ 36"	26	2017	POHANG SRF PJT	STEEL MILL PLANT
		WCB			4" ~ 12"				
 POSCO PLANTEC	 KOREA	FCD450	HI-P BFV [WF/LUG] G/O	10K, 20K	450A~800A	33	2016	POSCO POHANG 3 BLAST FURNACE	STEEL MILL PLANT
		SCPH2	NON SLAM CHECK VALVE FLN	10K, 20K	400A~750A				
 HYUNDAI STEEL	 KOREA	SS400	INLET BUTTERFLY VALVE	DN2000		4	2016	DANGJIN STEEL MILL PLANT	STEEL MILL PLANT
		SS400	INLET / OUTLET GOGGLE VALVE	DN2000 / DN3400					
		SS400	CLEAS GAS ISOLATION GOGGLE VALVE MOV	DN3400 0.15/0.4Kg/cm ² (NOMINAL PRESSPRE)					
 MIDREX	 ALGERIA	SS400	HI-P BFV FLN BARE	PN6	26" ~ 72"	7	2016	NEW STEEL COMPLEX IN BELLARA	STEEL MILL PLANT
 POSCO	 KOREA	WCB	NON SLAM CHECK VALVE BW TYPE HYD CYL.	#150	6" ~ 18"	15	2016	CHUNCHEON COMMUNITY ENERGY SYSTEM PJT	STEEL MILL PLANT
 HYUNDAI STEEL	 KOREA	SM400B	Pressure Relife V/V FF HYD CYL.	10K	400A	3	2015	DANG-JIN STEEL MILL Plant	STEEL MILL PLANT
		SS400	COG SHUT-OFF V/V FF HYD CYL.	PN10	DN1000				
		SS400	BUTTERFLY DAMPER MANUAL	5K	1000A				











End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 POSCO	 KOREA	ANCOR	MOV GATE V/V	PN2.5	DN1400 DN1200	4	2015	POHANG Hwasung Facility 3,4TH MAUN BLOWER COG	STEEL MILL PLANT
		A216WCB	NON SLAM CHECK VALVE HYD CYL.	10K, 20K	400A ~ 700A	6	2015	MRO PART	
 POSCO E&C	 KOREA	SCPH2	BALL VALVE RF [MANUAL / PNE.]	10K, 20K	100A, 150A	6	2015	POHANG POSCO	STEEL MILL PLANT
 HYUNDAI STEEL	 KOREA	SCS13	BALL VALVE	20K	25A, 40A	250	2014	DANGJIN Steel Mill Plant	STEEL MILL PLANT
		FCD450	MOV WATER SEAL	JIS 5K	1000A				
 HYUNDAI E&C	 KOREA	SCS13A	GLOBE VALVE FLANGE TYPE	30K	350A 450A	4	2014	HYUNDAI STEEL PH.3	STEEL MILL PLANT
 POSCO	 KOREA	SCPH2	GATE VALVE FLANGE TYPE	5K	900A	2	2014	POHANG STEEL MILL PLANT	STEEL MILL PLANT
		SCS13	5-WAY BALL VALVE	10K	65A	1		POSCO FINEX PROJECT	
		A182 F304	BALL VALVE RF	#150	3/4" ~ 3"	9		POSCO COG PJT	
 POSCO E&C	 BRAZIL	SS400 + VITON / WCB / SS400	HI-P BUTTERFLY VALVE	SZ(POSCO) 150LB 300LB	3" TO 120"	609	2014	POSCO BRAZIL CSP STEEL PLANT PJT	STEEL MILL PLANT
		A536 / WCB	CONCENTRIC BUTTERFLY VALVE WAFER GEAR	#150	3" TO 40"				
		WCB	NON-SLAM CHECK VALVE HYD CYL	300LB	16", 26", 30"				
		A182 F304/ WCB / A105	BALL VALVE SW,NPT,FLN	#150,#300	1/2" TO 3"				
 POSCO	 INDONESIA	SS400+VITON	HI-P BUTTERFLY VALVE FLANGE TYPE ACTUATOR	SZ(POSCO)	1500A ~ 3400A	20	2013	INDONESIA PT. KRAKATAU POSCO PROJECT	STEEL MILL PLANT
		SS400+METAL TOUCH	CONTROL BUTTERFLY DAMPER	10K	600A ~ 1200A				
		FCD450 + VITON	WATER SEAL MOTOR OP'	10K	600A ~ 1200A				
		A105	GLOBE VALVE ACTUATOR OP	10K	50A				

End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 HYUNDAI STEEL	 KOREA	SB400B	TRIPLE OFFSET BUTTERFLY VALVE	JIS 5K	1300A	2	2012	BLAST FURNACE SUB-BLOW-OFF	STEEL MILL PLANT
		SS400	DOUBLE SEAT GLOBE VALVE	JIS 10K	500A				
		SCPH2	KNIFE GATE VALVE	PN10	DN500	1		PROFILEMETER	
 POSCO E&C	 KOREA	FCD450	WATER SEAL	JIS 5K	450A~1200A	21	2012	POHANG LDG GAS / POSCO INDONESIA KRAKATAU / POHANG COMBINED CYCLE POWER PLANT	STEEL MILL PLANT
		A516 Gr.70	HI-PERFORMANCE B/V	150LB	24"~136"	12		POSCO INDONESIA KRAKATAU	
		SCPH2	NON-SLAM CHECK VALVE	JIS 20K	400~800A	10		POSCO INDONESIA BLAST FURNANCE	STEEL MILL PLANT
 TORISHIMA PUMP	 JAPAN	A105	BALL VALVE	150LB	1"	16	2012	FLOW CONTROL VALVE AT TORISHIMA R&D CENTER	STEEL MILL PLANT
		WCB	TRIPLE OFFSET BUTTERFLY VALVE ELECTRIC MOTOR OP	300LB	3", 12"				
 HDEC	 KOREA	SS400 / H.F	TRIPLE OFFSET BUTTERFLY VALVE	JIS 10K	100A TO 1400A	194	2012	HYUNDAI STEEL COKES AND REFINERY PLANT PH3	STEEL MILL PLANT
		EN-GJS400	PTFE LINED BUTTERFLY VALVE	JIS 10K	100A TO 400A				
		SS400 / H.F	NON SLAM CHECK VALVE	JIS 10K	900A, 1000A				
		SS400	PLATE VALVE	JIS 10K	2000A				
		SCPH11 / STL'	JACKETED PLUG VALVE	JIS 10K	25A TO 150A				
 POSCO E&C	 KOREA	A516 Gr.70	HI-PERFORMANCE B/V	150LB	32"~60"	5	2012	POHANG LDG GAS	STEEL MILL
 HYUNDAI HYSKO	 KOREA	[SCS13 / PTFE] [SCPH2 / PTFE]	HI-PERFORMANCE B/V	JIS 10K	80A ~ 500A	64	2012	HYUNDAI HYSKO HEATING FURNANCE	STEEL MILL
 POSCO	 KOREA	FCD	CENTRIC DESIGN BUTTERFLY VALVE /	10K	900A , 1000A	35	2011	INTERNAL FULL TEFRON COATING FOR ACID/PNEUMATIC OP'	STEEL MILL
		A536 65-45-12 + R.L	HI-PERFORMANCE B/V	AWWA C504 CL.B	1950A			POSCO POWER CCPP 5&6	

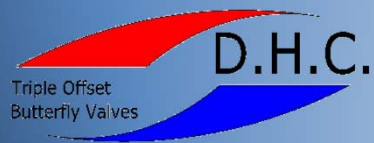
End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 TORISHIMA PUMP	 JAPAN	A536	HI-PERFORMANCE B/F	125LB	28", 36"	6	2011	UNITED STEEL COMPANY SLOB DR PLANT PROJECT	STEEL MILL
 POSCO	 KOREA	SCPH2	HI-PERFORMANCE B/V	JIS10K	200A TO 450A	51	2011	POSCO MRO	STEEL MILL PLANT
		SCS13	TRIPLE OFFSET B/V	JIS10K , JIS20K	250A TO 500A				
		SCS13A / SCPH11	BALL VALVE	JIS10K	100A				

MAIN SUPPLY RECORDS << MARINE & FPSO >> Daehan Control Co.,Ltd

End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 MODEC	 BRAZIL	C95800	[TRI, HI-P] BFV FLN [MANUAL, HYD.]	#150	3 ~ 28"	16	2020	PETROBRAS FPSO ANITA GARIBALDI MV33	FPSO
 MODEC	 BRAZIL	C95800, 5A	[TRI, HI-P] BFV FLN [MANUAL, HYD.]	#150	4" ~ 28"	39	2020	PETROBRAS FPSO ALMIRANTE BARROSO MV32	FPSO
 MODEC	 MEXICO	WCB	TRI BFV FLN G/O	#150, #300	3" ~ 28"	130	2019 ~ 2020	ENI MEXICO FPSO MODEC MV34	FPSO
		A995 5A							
		CF3M							
		C95800							
 MODEC	 BRAZIL	WCB	HI-P BFV [FLN/LUG] G/O	#150, #300	3" ~ 24"	590	2019	FPSO GUANABARA MV31 MARINE BULK PJT	FPSO
		A995 5A							
		C95800							
 MODEC	 BRAZIL	C95800	TRI BFV LUG MANUAL	#150, #300	3" ~ 32"	75	2019	PETROBRAS FPSO CIDADE DOS GOYTACAZES MV29 PJT	FPSO
		CF8M							
		A995 5A							
 MODEC	 SINGAPORE	C95800	TRI BFV FLN [G/O] HYD. ACT.	#150	4" ~ 28"	17	2018	PETROBRAS FPSO CARIOCA MV30	FPSO
			HI-P BFV FLN [G/O] HYD.		8", 28"				
 SAMGONGSA	 KOREA	FCD	CONCENTRIC BUTTERFLY VALVE (PNEUMATIC CONTROL)	PN10	50A TO 125A	28	2013	PJT NO: P&O ITEM : VOS Ballast Water Treatment System(N.E.I) Hongqiang Marine Heavy Industry Co., Ltd	MARINE
 TECHNIP	 USA	A395	HI-PERFORMANCE BFV	#125	42"	20	2013	ANADARKO LUCIUS PROJECT	OFF-SHORE
 ANADARKO	 MEXICO	A395	CON BUTTERFLY VALVE WAFER BARE	#125	24", 42"	56	2012 ~2014	ANADARKO HEIDELBERG PROJECT	OFF-SHORE
 BOROUGE	 UAE	WCB+RL	HI-PERFORMANCE BUTTERFLY	150LB	72"	4	2012	SEA WATER BASIN PROJECT	SUB-SEAWATER SUPPLY PIPELINE

End user or Customer	Country	Material	Description	Class	Size	Q'ty	Delivery	Project & Remarks	Industry
 TECHNOFLOW TECHNO FLOW	 UAE	FCD450	HI-PERFORMANCE BFV	150LB	4" TO 18"	22	2012	UNITED STATES COAST GUARD	MARINE
 MODEC	 SINGAPORE	B148 C95800	DUO PLATE CHECK VALVE & GLOBE VALVE	150LB	3" GLOBE 4" CHECK	15	2011	MARINE SYSTEM-ACCOMMODATION FIREWATER RISER LINES	MARINE
 BP	 ANGOLA	B148 C95800	TRIPLE OFFSET BUTTERFLY VALVE, BI-DIRECTION FLOW	150LB	2" to 18"	33	2011	SEA W.SERVICE TO DECK MACH COOLER	OFF-SHORE
		A216 WCB	HI-PERFORMANCE B/F	PN6	DN700		2011	EXTENDED STEM FOR 250°C TEMP.	OTHERS
 STX	 MOROCCO	A126 CLB	DUAL CHECK VALVE	150LB	6" , 8"	6	2011	STX MOROCCO JORF PROJECT	MARINE
 BP	 ANGOLA	B148 C95800	HI-PERFORMANCE B/V	150LB	2.5" TO 22"	32	2010	BP ANGOLA PSVM	FPSO
		B148 C95800	DOUBLE FLAP CHECK VALVE	150LB	18"				

COMPANY PROFILE



DAE HAN CONTROL CO., LTD.