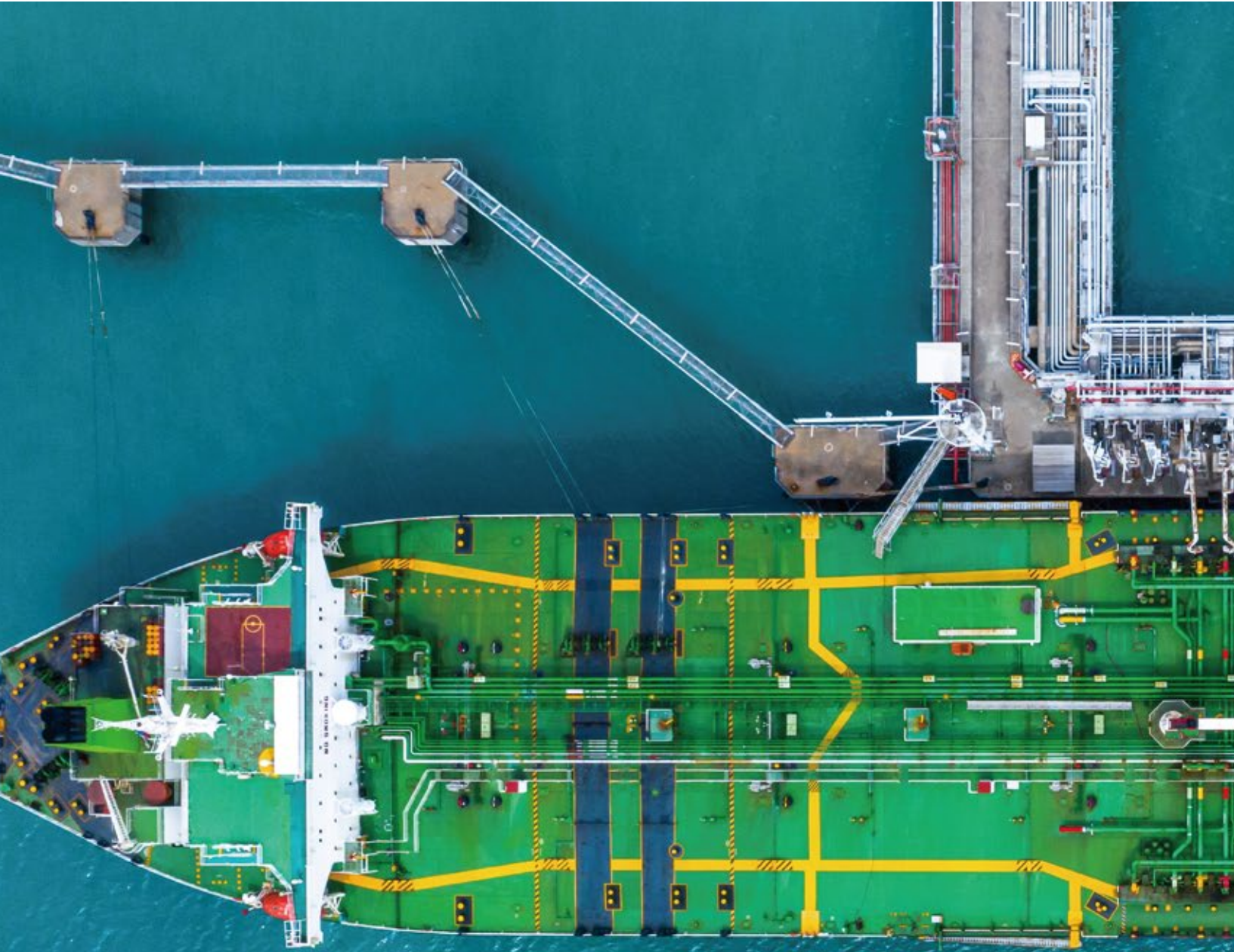




VALVE EXPERTS GROUP



PROVIDING THE WHOLE RANGE OF VALVES FOR SHIPS AND OFFSHORES

Limanntech is a group of experts in the field of marine valves and ship management, starting from 2018. With tens of experiences of shipyards, ship management companies, valve manufacturers, Limanntech has provided a range of butterfly valves, globe valves, angle valves, storm valves, hose valves, strainers, and ball valves, satisfying the needs of ship owners, ship managers and ship suppliers.

Addition to supplying ship spares, Limanntech is designated as an exclusive agent for several newbuilding ships and offshores in China and USA, providing with Korean Manufacturers' product. Limanntech has accomplished newbuilding projects tens of ships for providing with Triple-offset butterfly valves and Strainers.

Since 2020, Limanntech has started to develop new model of multiple-offset butterfly valves, used for LNG and ammonia vessels. It has been finally completed to be developed and supplied to several vessels for retrofit projects in Korea. Limanntech will continuously go forward and meet all needs of our clients.

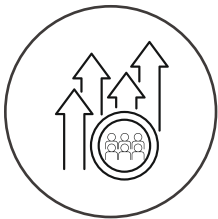
We will continue and produce amazing updates for our customer base.

WHY LIMMANTECH



SPECIFICATIONS REVIEW

Limantech consists of experts with tens-of-years-experiences in valve industry, reviewing your RFQ and drawings meticulously for all types of valves, which makes it possible its our missupply rate very low.



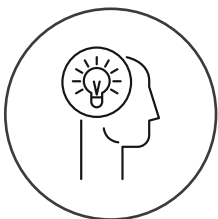
STRONG PARTNERSHIP WITH MANUFACTURES

Purchasing big amount of valves from tens of manufacturers in Korea every year and Doing newbuilding business with them, which results in competitive price and strong partnership.



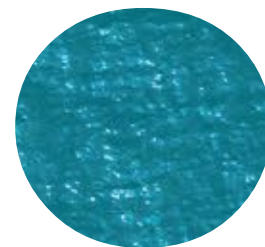
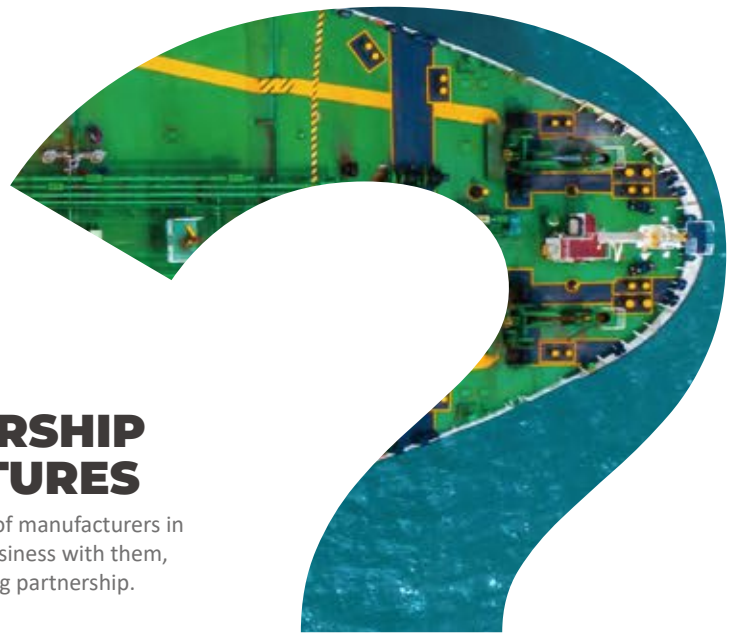
REFERENCE CHECK PROVIDED TO SHIPS

Considering there are errors in RFQ, Limantech checks the supply history when the ship was newly built in a shipyard. All types of valves are checked by Spec. and Reference Check, so the missupply rate is very low.



COMMITTED AND CONTINUOUS RESEARCH AND DEVELOPMENT ON VALVES

Not only providing valves, but also Limantech continues developing new models of valves. In accordance of IMO's rules and regulations, the goal of our R&D projects is focused on valves for LNG, ammonia, ethanol, and LH₂.



VALVE
EXPERTS GROUP

NUMBERS

ABOUT LIMANNTTECH



1,821 **SHIPS**

including Tankers, Bulk Carriers, LNG/LPG Vessels, Container Ships, PCTCs and offshores. have been supplied with valves by Limanntech since 2020.

6,682
ORDERS



have been received from various clients which are mostly ship suppliers over the world.

0.1%
MISSUPPLY RATE



is the figure that Limanntech is recording. Our quotation team is dedicated to review the RFQ and drawings from the ship operator's point of view.

142
CLIENTS



over the world have regularly placed orders to Limanntech and the number of clients is expected to be increased every year.

11
NEWBUILDINGS



in USA, China and Korea has been completed to be provided with valves and other ship equipment by Limanntech

35
YEARS



experiences of Limanntech's directors in valve and ship mangement industries is a fundamental of Limanntech's competitiveness.

24
HOURS



is our policy, which means Limanntech gives you quotation within 24 hours after submitting your RFQ. Quick response and exact quotation are our strengths.

KINDS OF VALVES

STANDARD COMPLIANCE	JIS/KS, API, AWWA, BS, ISO	APPLICABLE FLANGE	JIS 5K, 10K, 16K, 20K, 30K, 40K, 63K
SIZE	DN15mm~ 4000mm		ASME B 16.5, 16.47, 150LB~2500LB
WORKING PRESSURE	up to 40 bar		ISO 7005/EN1092 PN6~63
WORKING TEMPERATURE	-196℃ ~ -815℃		

BUTTERFLY VALVES

CONCENTRIC / ECCENTRIC / TRIPLE-OFFSET / CRYOGENIC
WAFFER / SEMI-LUG / LUG / FLANGE

DUO CHECK VALVES

WAFFER / FLANGE

GLOBE VALVES

GLOBE CHECK VALVE

HOSE VALVES

GLOBE / ANGLE

SWING CHECK VALVES

PAN CHECK VALVES

BALL VALVES

STRAINER

ANGLE VALVES

ANGLE CHECK VALVE

STORM VALVES

STRAIGHT / ANGLE

CONTROL VALVES

PRESSURE/TEMPERATURE

GATE VALVES

BRANDS

IN KOREA, CHINA AND JAPAN

 ACE VALVE

KEYSTONE

 SEJIN VALVE




KORVAL

 BY
CONTROLS, INC.


WOOSUNG FLOWTEC


HANYANG VALVE


T&S
TECHNOLOGY & SERVICES

 CEPHAS

ORIENTAL

S&S
VALVE

 DK T.M.I

 **DK-LOK**
Fittings & Valves

 WONKWANG VALVE

 KEYSUNG METAL CO., LTD.

 株式会社 中北製作所
NAKAKITA SEISAKUSHO CO., LTD.


NEWAY

 **CSSC** 大连船用阀门有限公司
DALIAN MARINE VALVE CO., LTD.

 PKvalve


CONTROL VALVES CO., LTD.


DEV
DONG EUN VALVE


KANGRIM

 PLEIGER

 KSB

 **Scana**
SCANA INDUSTRIER ASA

 **SAMKUN** 89
SAMKUN CENTURY CO., LTD.



01

BUTTERFLY VALVE

VALVE
EXPERTS GROUP

CONCENTRIC

BUTTERFLY VALVE



The Concentric Butterfly Valve Feature is a symmetrical disc design, ensuring favorable flow-characteristics, and low pressure-drop. The concentric shaft ensures low operating torque. Concentric butterfly valve can be manufactured with the sizes up to 4,000mm, with replaceable rubber seat, with various kind of materials.

The valve shall be capable of bi-directional flow with bubble tight shut-off at full rating pressure. The unique seat design with retaining points, virtually eliminates any seat movement during open / close operation of the disc. A PTFE / PFE lined body is also available for chemically high-corrosive fluid conditions.

DESIGN CONCEPT

CENTER OF SHAFT' in the 'Center of Pipe' / 'Center of the Valve Seat' Applicable for BUTTERFLY VALVE WITH ELASTOMER LINING.

·Symmetric disc design ensures favorable flow characteristics and low pressure drop

·Concentric shaft ensures low operating torque

·Lining gives a good protection to valve body, and acts as flange gasket - Shaft penetrates the valve seat - Limited choice of seating materials(Elastomer, only) Suitable for installation in 'Low Pressure System' Not suitable where FIRE-SAFE or FIRE-PROOF requirement apply to the valve or valve installation method

TYPE NUMBERING SYSTEM (FOR ACE VALVE)

- AV-CWR : Concentric WAFER type Rubber lined Butterfly Valves
- AV-CSR : Concentric SEMI-LUG type Rubber lined Butterfly Valves
- AV-CLR : Concentric LUG type Rubber lined Butterfly Valves
- AV-CFR : Concentric FLANGE type Rubber lined Butterfly Valves

STANDARD COMPLIANCE

Concentric Butterfly valves conform to ISO 5752, KSV 7490, JIS F 7480, JIS B 2032, API 609, BS 5155, DIN2501.

PRODUCTION RANGE

- SIZE : DN 50mm (2 inch) ~ DN 4000mm (160 inch)
- RATING PRESSURE : Up to 20 bar depend on related size
- RATING TEMPERATURE : -40℃ ~ +230℃

APPLICABLE FLANGE

- KS/JIS 5K, 10K, 16K
- ASME B 16.1 Class 125LB
- ASME B 16.5 Class 150LB
- EN 1092 PN6, PN10, PN16
- ISO 7005 PN6, PN10, PN16 • GB 2501/2506 PN6, PN10, PN16
- DIN 2501 PN6, PN10, PN16 •BS4504 PN6, PN10, PN16

HIGH-PERFORMANCE

BUTTERFLY VALVE



High performance butterfly valves are widely used in product and chemical tankers, offshore / on shore to NACE MR0175, oil and gas field chemical, petrochemical plants, and high pressure piping systems. The valves are complied with API 607 fire safety standards. Adoption of a spring-loaded soft PTFE seat gives flexibility and secures long life, even with frequent operation. The soft seated valve shall be capable of bi-directional flow and provide bubble tight shut-off at full rated pressure.

DESIGN CONCEPT

The axis of disc rotation is double eccentric offset to the seat ring. When the disc rotates, it unseats at a small turning angle by this cam effect. This prevents seat abrasion and provides perfect seal for a long period.

TYPE NUMBERING SYSTEM (FOR ACE VALVE)

- AV-HWR : High-performance WAFER type Rubber seat Butterfly valves
- AV-HSR : High-performance SEMI-LUG type Rubber seat Butterfly valves
- AV-HLR : High-performance LUG type Rubber seat Butterfly valves
- AV-HFR : High-performance FLANGE type Rubber seat Butterfly valves
- AV-HWT : High-performance WAFER type Teflon seat Butterfly valves
- AV-HST : High-performance SEMI-LUG type Teflon seat Butterfly valves
- AV-HLT : High-performance LUG type Teflon seat Butterfly valves
- AV-HFT : High-performance FLANGE type Teflon seat Butterfly valves
- AV-FHW : High-performance WAFER type Fire safe seat Butterfly valves
- AV-FHS : High-performance SEMI-LUG type Fire safe seat Butterfly valves
- AV-FHL : High-performance LUG type Fire safe seat Butterfly valves
- AV-FHF High-performance FLANGE type Fire safe seat Butterfly valves

STANDARD COMPLIANCE

☐The face to face dimension shall be in accordance with API 609, ISO 5752, KSV 7490, JIS F 7480, BS 5155 or MSS SP-68.

PRODUCTION RANGE

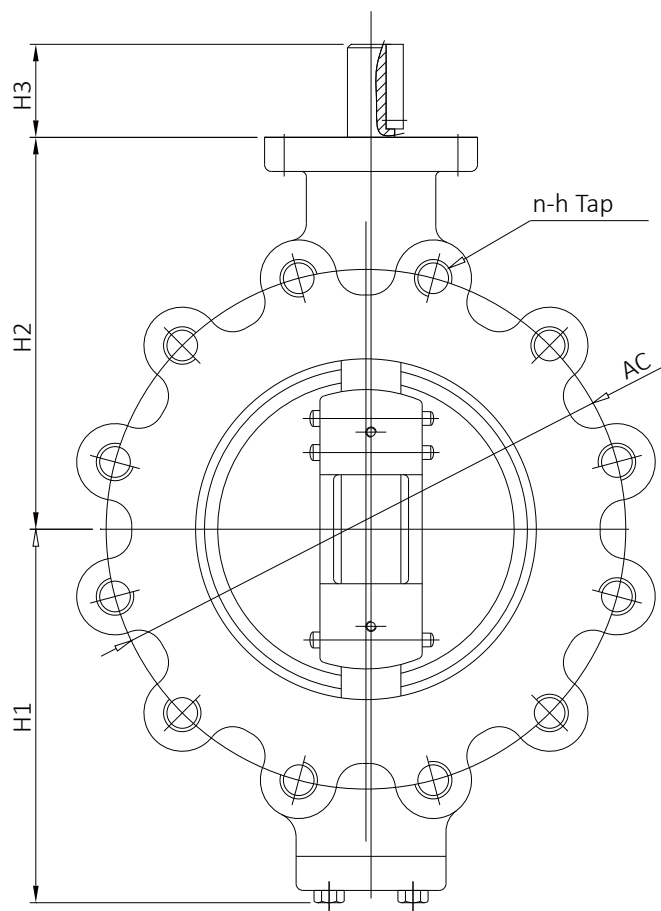
- SIZE : DN 50mm (2 inch) ~ DN 1500mm (60 inch)
- WORKING PRESSURE : Up to 50 bar
- WORKING TEMPERATURE : -55 °C ~ +250 °C (Soft seat)

APPLICABLE FLANGE

- KS/JIS 5K, 10K, 16K, 20K, 30K
- ASME B 16.5 Class 150LB, 300LB
- EN 1092 PN6, PN10, PN16, PN25
- ISO 7005 PN6, PN10, PN16, PN20, PN25

DOUBLE ECCENTRIC

CARGO OIL BUTTERFLY VALVE



Rubber seated double eccentric butterfly valve feature is a heavy loaded design for high-pressure and high flow-rate applications. They have been widely adapted for oil and gas valves in oil tankers, FPSO onshore / offshore field and high flow-rate piping systems. The delicate design of the seat ring keeps the retainer free from any pressure from flanges on adjacent pipes, misaligned flanges or flexibility in the pipes. Moreover, it minimize the foreign articles remained on the seat in order to reduce damage of seat ring. The valve shall be capable of bi-directional flow and provide bubble tight shut-off at full rated pressure.

DESIGN CONCEPT

It effects friction-free contact between body and seat since the rotation axis(stem) of the valve disc is shifted from the center by a distance of the width of A and B, a cam effect is produced which prevents from wearing the seal surface, lessens seating torque and offers longer service life and easy operation.

TYPE NUMBERING SYSTEM (FOR ACE VALVE)

- AV-OSR Double Eccentric SEMI-LUG type Butterfly valves
- AV-OLR Double Eccentric LUG type Butterfly valves
- AV-OFR Double Eccentric FLANGE type Butterfly valves

STANDARD COMPLIANCE

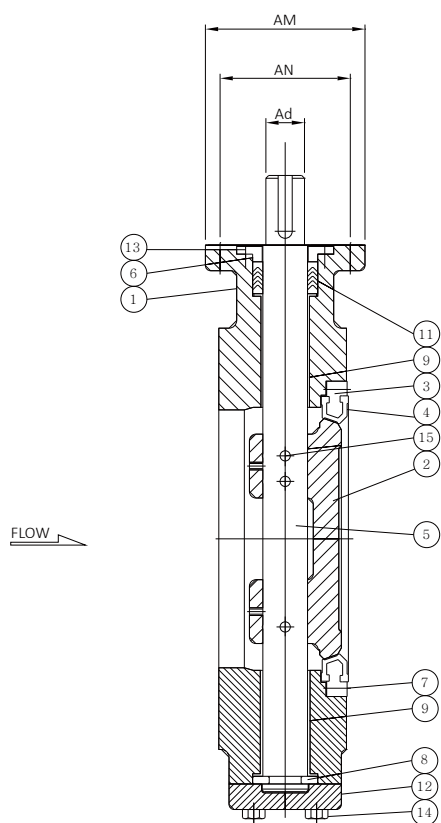
The face to face dimension shall be in accordance with KSV 7490, JIS F 7480

PRODUCTION RANGE

- SIZE : DN50mm (2 inch) ~ DN1000mm (40 inch)
- WORKING PRESSURE : Up to 40bar
- WORKING TEMPERATURE : -20℃ ~ +250℃

APPLICABLE FLANGE

- KS/JIS 5K, 10K, 16K, 20K, 30K
- ASME B 16.5 Class 150LB, 300LB
- EN 1092 PN6, PN10, PN16, PN25
- ISO 7005 PN6, PN10, PN16, PN20, PN25

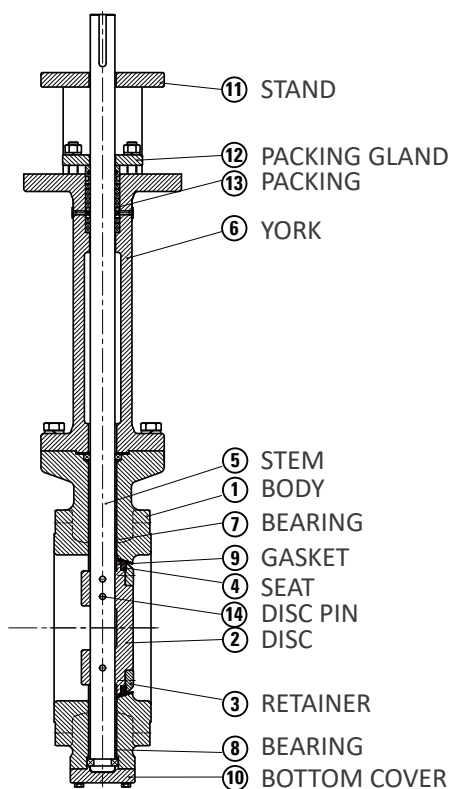


CRYOGENIC BUTTERFLY VALVE



ACE cryogenic valves are widely used throughout the world, from liquefaction plants, to liquefied gas carries, receiving tank terminals as well as peak shaving plants, in a critical and hazardous service conditions down to the temperature as low as -196° .

Multiple-offset Metal Seated Cryogenic Butterfly Valve with “**Linear Lifting Stem & Disc technique**” is so Unique and the First in the world. Unique design allows disc to move linearly perpendicular to body seat against flow direction. It provides ZERO friction on overall surface of seats when both open & close of the disc during operation which leads to less torque than ever. Also, Perfect seat sealing with no seat leakage is well achieved by flexible adjusting way to push the disc against body seat when close the disc.



DESIGN COMPETITIVENESS

- Bi-directional design
- With butt-welding ends or flanged ends
- With inspection/ maintenance access (Side entry)
- Multiple offset design.
- Valve may be fitted in any orientation.
- Extended bonnet / Shaft for safe access

STANDARD COMPLIANCE

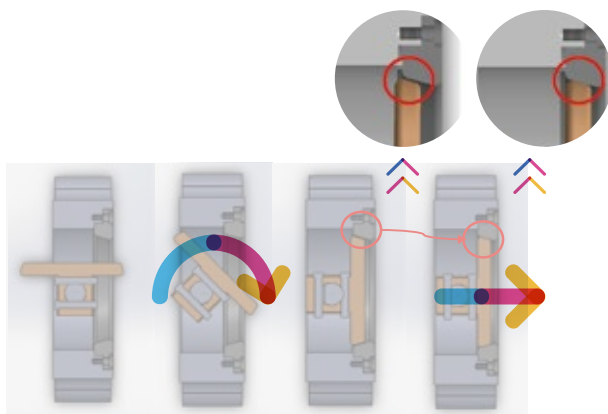
- BS 6364 Valves for Cryogenic service
- Fire Safe approved in accordance with API 607

PRODUCTION RANGE

- SIZE : DN 100mm (4 inch) ~ DN 2000mm (80 inch)
- FLANGE RATING : ASME B 16.5 Class 150LB, 300LB
- WORKING PRESSURE : Up to 50bar
- WORKING TEMPERATURE : -196°C ~ $+815^{\circ}\text{C}$

TYPE APPROVAL

DNV, LR, ABS, BV, KR





ALL KOREAN

BUTTERFLY VALVE WITH LIMANNTech

Limanntech specializes in supplying valves from all major valve manufacturers in Korea for marine applications. The majority of vessels built in Korea are equipped with valves produced by Korean manufacturers, and we offer not only complete valve systems but also spare parts.

With Limanntech, there's no need to reach out to multiple suppliers—we provide a one-stop solution for all your valve needs. This unique capability has positioned us as a trusted partner for many companies in Korea and beyond.

Includes but is not limited to the following:

AV ACE VALVE

KEYSTONE

SV SEJIN VALVE

DKC


HANYANG VALVE

DK TMI

02

GENERAL
VALVE

VALVE
EXPERTS GROUP



COPPER ALLOY | Casting Valves

Valve Type	Rating	Size (Range)	Material standard/Grade
GATE	150# ~ 300#	1/2" ~ 8"	Copper alloy-Bronze ASTM B62, B61
GLOBE	150# ~ 300#	1/2" ~ 8"	
CHECK (DUAL PLATE)	150# ~ 300#	1-1/2" ~ 8"	
CHECK (SWING)	150#	3/4" ~ 6"	
BALL - FLOATING	150# ~ 300#	1/2" ~ 4"	
BALL - TRUNNION	150# ~ 300#	6" ~ 8"	

NI-AL BRONZE | Casting Valves

(*) Further consultation required.

Valve Type	Rating	Size (Range)	Material standard/Grade
GATE	150# ~ 300#	3" ~ 24" and OVER (*)	NI-AL-Bronze ASTM B148-UNSC95800
GLOBE	150# ~ 300#	3" ~ 20" and OVER (*)	
CHECK (DUAL PLATE)	150# ~ 300#	3" ~ 24" and OVER (*)	
CHECK (SWING)	150#	3/4" ~ 6"	
BALL - FLOATING	150# ~ 300#	2" ~ 4" and OVER (*)	
BALL - TRUNNION	150# ~ 300#	6" ~ 24" and OVER (*)	
BUTTERFLY	150# ~ 300#	4" ~ 48" and OVER (*)	
GATE with Post Indicator	150# ~ 300#	2- 1/2" ~ 24"	
STRAINER (Y TYPE)	150# ~ 600#	2" ~ 10"	



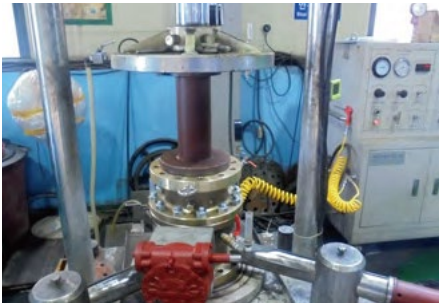
JIS STANDARD VALVES | Casting & Forged

Valve Type	Rating	Size (Range)	Material standard/Grade
GATE	5K ~ 40K	15A ~ 600A	FC, FCD, SC, SCS, BC6 and etc.
GLOBE & GLOBE-CHECK	5K ~ 40K	15A ~ 400A	
ANGLE & ANGLE-CHECK	5K ~ 40K	15A ~ 500A	
BALL	5K ~ 16K	15A ~ 500A	
OTHER JIS VALVES	Variety	Variety	

OTHER MATERIAL VALVES

Valve Type	Rating	Size (Range)	Material standard/Grade
GATE	150# ~ 300#	1/2" ~ 24"	Stainless Steel Casting (SS316, SS304) Duplex and Super Duplex Inconel Titanium
GLOBE	150# ~ 300#	1/2" ~ 24"	
CHECK (DUAL PLATE)	150# ~ 300#	1-1/2" ~ 24"	
BALL - FLOATING	150# ~ 300#	1/2" ~ 24"	
BALL - TRUNNION	150# ~ 300#	1/2" ~ 24"	

02 GENERAL VALVE







ABUNDANT SALES REFERENCE

SUCH AS
QATAR GAS,
NASSCO NAVY SHIPS
AND MANY SHIPS

Limantech has an extensive track record of supplying general valves to vessels calling at Korean ports. We also have significant experience providing products certified by IACS member classification societies, including ABS, DNV, LR, KR, and BV.

Beyond the marine industry, our expertise extends to major projects such as Qatar Gas in the Middle East and newbuild military ship projects at NASSCO. Limantech's proven reliability and quality make us a trusted partner in both maritime and industrial sectors.

Includes but is not limited to the following:



WONKWANG VALVE



KEYSUNG METAL CO., LTD.



S&S
VALVE

03

CONTROL VALVE

+

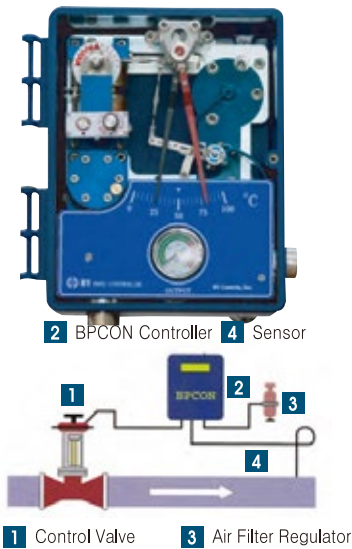
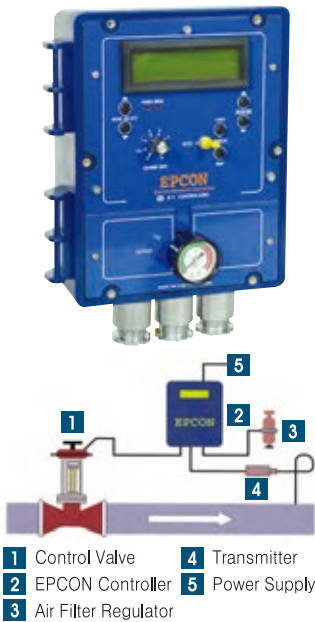
STRAINER

VALVE
EXPERTS GROUP

03 CONTROL VALVE + STRAINER



- Valve Remote Control System
- Manual Hydraulic Remote Control System
- Electro-Hydraulic Actuator (ER series)
- Control Valve (DP series, DG series, TG series, TR series)
- Cryogenic Control Valve
- MOV (Rotary, Linear)
- Diaphragm Actuator
- Pressure Reducing Valve
- Safety & Regulating Valve



► EPCON FEATURES

BY EPCON controller does not require positioner and I/P converter.
This means that EPCON controller is more reliable and cost-effective.

EPCON GENERAL SPECIFICATION	
Power Supply Voltage	110 / 220V AC50 / 60Hz, 24V DC
Power Consumption	10W (Max), 9W (Steady state)
Input	4~20mA
Output	4~20mA standard, 5% span accuracy
Control Action	Direct or Reverse
Control Method	P, PI, PID
Local Set Point Adjustment	Push Button Switches and Digital Display
Remote Set Point Adjustment	4~20mA Standard Input
Display Modes	Process Value(PV), Set Point(SP)
Air Input	2.4±0.1 bar (35±1.5 psi)
Air Output	0.4~2.0 bar (6~30 psi)
Air Consumption	Zero at steady state conditions
Accuracy	0.5% of Full Span
Ambient Temperature Rating	-20~60℃
Dimension	228(W)×295(H)×149(D)mm
Enclosure / Material	IP44 / Polycarbonate

► BPCON FEATURES

BY BPCON controller is applied to the process control of liquid, gaseous or vapor media.
The controller is generally used in combination with temperature or pressure control device as control valve.

BPCON GENERAL SPECIFICATION	
Control Action	Direct or Reverse
Control Method	PI, PID
Air Input	2.4±0.1 bar (35±1.5 psi)
Air Output	0.4~2.0 bar (6~30 psi)
Air Consumption	Steady: 0.13 Nm ³ /h Maximum: 2.6 Nm ³ /h
Proportional Action	Proportional band 0~200%
Integral Action	0~10 minutes per repeat
Derivative Action	0~5 minutes per repeat
Accuracy	With in 1% Scale
Pneumatic Connection	PT 1/4"
Ambient Temperature Rating	-20~60℃
Dimension (only controller)	228.6(W)×261.5(H)×181(D)mm

03 CONTROL VALVE + STRAINER



Stress analysis code	ASME Section VIII Division 1.
Connection Flange	JIS B 2210, ANSI B 16.5, DIN, etc.
Materials	
Body	Carbon Steel, Stainless Steel, Bronze, etc.
Filter	Carbon Steel, Stainless Steel, Monel, Titanium, etc.
Packing	N.B.R, E.P.D.M, P.T.F.E, Viton, etc.
Filter	ø2 ~ ø12

Mesh	#2 ~ #100 / 11100 ~ 140 micron
Lifting	Davit, Lug, Handle, etc.
Cover bolting	Hinge, Stud, Hexagon
Vent / Drain type	Screw, Flange, Valve, etc..
Coating	Tar Free Epoxy, N.B.R, P.E, Hot Dipped Galv, etc.
Liquid name	Water, Oil, etc.

SIMPLEX STRAINER FOR WATER/OIL



SIMPLEX BUCKET STRAINER



DUPLEX STRAINER



LOCATION

WHERE WE ARE

Strategically Positioned for Swift and Reliable Deliveries

Limannotech is strategically located near Busan New Port and Gimhae Airport, making us ideally positioned for efficient and timely deliveries.



CERTIFICATES

WHAT WE HOLD

ISO 9001



ISO 14001



Limannotech provides a wide range of documentation based on customer requests, including COC, Mill Sheets, and Class Certificates. Additionally, we can submit approval drawings for customer review and proceed only after receiving their approval.

Our commitment to quality and flexibility has earned us the trust and satisfaction of diverse customers worldwide, making Limannotech a preferred partner across industries.



VALVE EXPERTS GROUP

LIMANTECH

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