DH CONTROLS

PRODUCT CATALOG

Valves and units for cleaner marine power

HIGH-TEMPERATURE VALVES
FUEL COMPONENTS · DOSING & PUMP UNITS

2026.10



DH CONTROLS / BUSAN, KOREA

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COMPANY

Company

DH CONTROLS develops and supplies high-temperature butterfly valves, exhaust gas flow control valves, alternative-fuel valves, and dosing and pump units for marine engines. Product development and production are based at its headquarters, first factory, and R&D center with a second factory in Busan, Korea.



2009
Established

BUSAN
Republic of Korea

PRODUCTION & RESEARCH

Production & research



Headquarters & First Factory

74, Mieumgukje 4-ro, Gangseo-gu, Busan, Korea

Site area	Gross floor area	Completed
6,858 m²	**6,484 m²**	**2020.04**



R&D Center & Second Factory

69, Mieumgukje 4-ro, Gangseo-gu, Busan, Korea

Site area	Gross floor area	Completed
4,558 m²	**3,181 m²**	**2026.08**

PRODUCT PORTFOLIO

Product portfolio

01 Exhaust Gas Flow Control Valves

Low-pressure SCR Valve · Air Sealing Damper · HP SCR Valve · EGR Valve · iCER Valve · iSCR Valve

02 Alternative Fuel

Methanol Fuel Components · Ammonia Fuel Components · Safety Valve Unit · Hydrogen Valve

03 Dosing & Pump Units

iSCR Dosing / Pump Unit

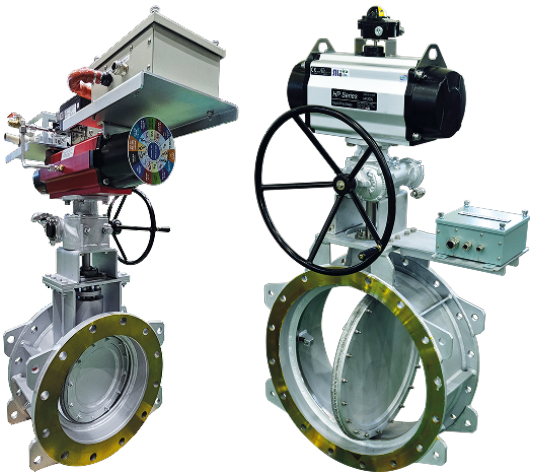
04 Marine & Industrial Valves

Hydraulic Actuator · Pressure Regulating Valve · Safety Relief Valve · Cryogenic Control Valve · Cryogenic Safety Valve · Air Bleed Valve

EXHAUST GAS FLOW CONTROL VALVES

Low-pressure SCR Valve

Pneumatic damper for low-pressure SCR exhaust-gas routing, sealing and throttling positions.



Temperature

20-420°C / 20-500°C

Size

200A-3200A

Actuation

Pneumatic

Specifications

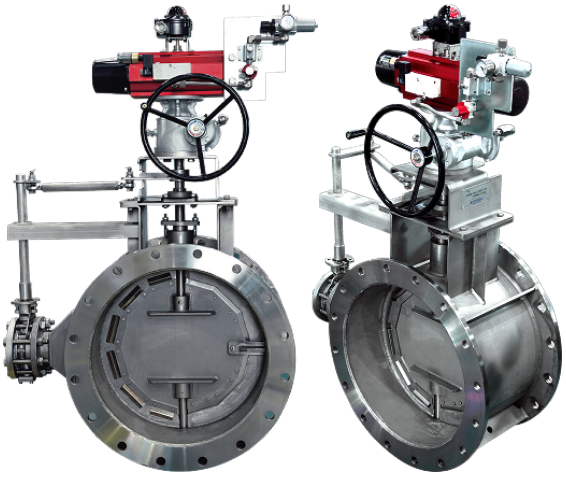
MODEL		SCR-LP					
Type		Controllable	On / Off	Controllable	On / Off	Controllable	On / Off
Application Position		RTV	RBV / RSV	RBV / RSV	ASV	EGB-BV	BTV / EGB-SV
Working Fluids		Warm exhaust gas					
Temperature Range		20°C ~ 420°C / 20°C ~ 500°C					
Valve Type		Flange / Damper					
Actuator Type		Pneumatic					
Action		Double / single acting					
Valve Size		200A ~ 3200A					
End Connection		JIS / DIN / ISO / ANSI Standard					
Material	Body	Carbon Steel (~ 420°C) / Carbon-silicon, killed Steel (~ 500°C)					
	Trim	Stainless Steel					
Accessories(option)		Smart Positioner, Air filter regulator, Solenoid valve, Limit Switch, Junction Box, Air Tank, PDT					

Product details

EXHAUST GAS FLOW CONTROL VALVES

Air Sealing Damper

Air-sealing damper for exhaust-gas flow control on four-stroke generator engines. Seal air provides isolation in the exhaust duct.



Temperature

20-500°C

Size

200A-3200A

Actuation

Pneumatic

Specifications

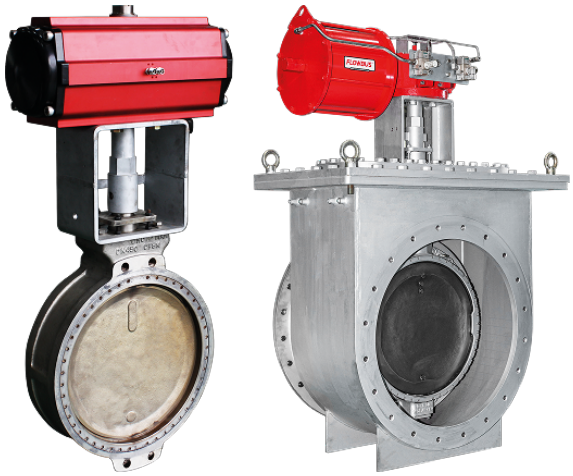
MODEL		DAMPER			
Type		Air seal damper			
Application Position		Main Engine	Generator Engine	Aux. Boiler	Comp. Boiler
Working Fluids		Warm exhaust gas			
Temperature Range		20°C ~ 500°C			
Valve Type		Flange / Damper			
Actuator Type		Pneumatic			
Action		Single acting			
Valve Size		200A ~ 3200A			
End Connection		JIS / DIN / ISO / ANSI Standard			
Material	Body	Cabon Steel (~ 400°C) / Stainless Steel (~ 500°C)			
	Trim	Stainless Steel			
Test Procedure		Seal air pressure : Over 500mmWC			
Accessories(option)		Air filter regulator, Solenoid valve, Limit Switch, Speed controller			

Product details

EXHAUST GAS FLOW CONTROL VALVES

HP SCR Valve

Pneumatic butterfly valve for high-pressure SCR exhaust-gas control positions.



Temperature

200-500°C; max. 550°C

Size

Ø50-DN1600

Actuation

Pneumatic

Specifications

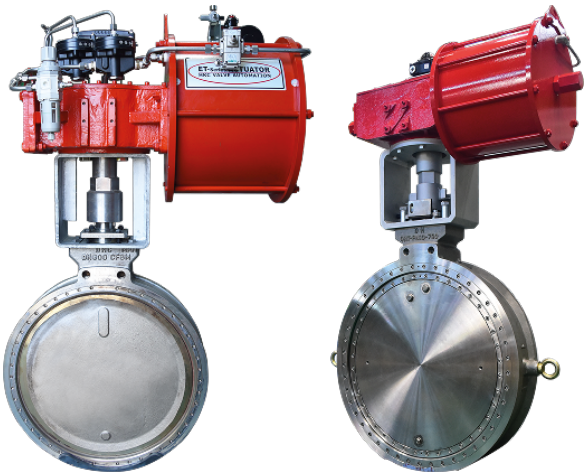
MODEL		**SCR-HP**	
Type		Controllable	On / Off
Application Position		RTV, RBV, EGB, CBV, IRBV	RSV
Working Fluids		Warm exhaust gas or Air	
Temperature Range		200 ~ 500°C (Max. 550°C)	
Valve Type		Wafer	
Actuator Type		Pneumatic	
Action		Double / Single acting	
Valve Size		Φ50 ~ DN1600	
End Connection		JIS / DIN / ISO / ANSI Standard	
Material	Body	Carbon moly alloy steel	
	Trim	Stainless Steel	
Accessories (option)		Smart Positioner, Air filter regulator, Solenoid valve, Limit Switch	

Product details

EXHAUST GAS FLOW CONTROL VALVES

EGR Valve

Standard and acid-resistant butterfly valve options for exhaust-gas recirculation arrangements.



Variants

Standard / acid-resistant

Size

Ø50-DN1600

Actuation

Pneumatic

Specifications

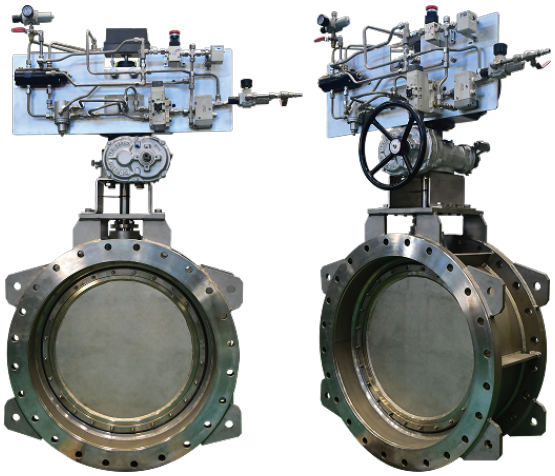
MODEL		EGR-STANDARD		EGR-ACID RESISTANT	
Type		Controllable	On / Off	Controllable	On / Off
Application Position		EGB, CBV	TCV	BTV	CCV, BBV, SOV
Working Fluids		Warm exhaust gas or air		Wet and / or cold exhaust gas	
Temperature Range		20°C ~ 420°C / 20°C ~ 500°C		25 ~ 75°C (Max. 200°C)	25 ~ 75°C (Max. 200°C) or 25 ~ 500°C (Max. 550°C)
Valve Type		Wafer		Wafer	
Actuator Type		Pneumatic		Pneumatic	
Valve Size		Φ50 ~ DN1600		Φ50 ~ DN1600	
End Connection		JIS / DIN / ISO / ANSI Standard		JIS / DIN / ISO / ANSI Standard	
Material	Body	Carbon moly alloy steel		Casted Stainless Steel	
	Trim	Stainless Steel		Stainless Steel	
Accessories(option)		Smart Positioner, Air regulator, Solenoid valve, Limit Switch		Smart Positioner, Air regulator, Solenoid valve, Limit Switch	

Product details

EXHAUST GAS FLOW CONTROL VALVES

iCER Valve

Butterfly valves for iCER exhaust-gas circuits, with single- and double-disc configurations.



Temperature

Up to 380°C

Size

DN400-DN2700

Connection

DIN

Specifications

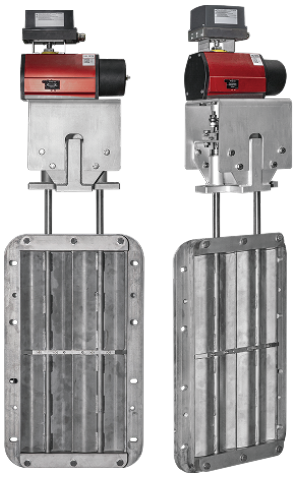
MODEL		ICER VALVE	
Type		Controllable	On / Off (Shut-off)
Application Position		BPV, FRV	SOV, FRV
Working Fluids		Exhaust gas	
Temperature Range		~ 380°C	
Valve Type		Butterfly valve, single or double disc	
Actuator Type		Double acting (alternatively, Single acting)	
Valve Size		DN400 ~ DN2700	
End Connection		DIN	
Material	Body	Stainless steel	
	Trim	Stainless steel	
Accessories (option)		Positioner, Air filter regulator, Air tank, NCS Sensor, Solenoid valve	

Product details

EXHAUST GAS FLOW CONTROL VALVES

iSCR Valve

The EFCV valve is designed for the exhaust lines of ammonia-fueled engines, with a working pressure of 6 bar and a working temperature of 380°C.



Model

EFCV

Working pressure

6 bar

Working temperature

380°C

Specifications

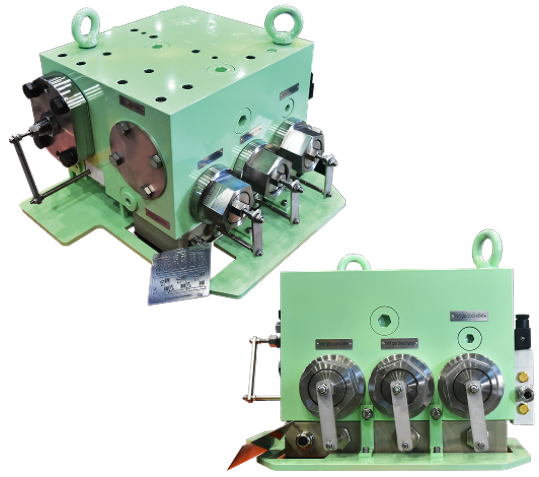
MODEL		EFCV
Working Fluid		(Ammonia Fuel) Exhaust Gas
Working Pressure		6 bar
Working Temperature		380°C
Material	Body	SB450M
	Flap	
	Spindle	
Accessories (option)		Inductive sensor, Positioner

Product details

ALTERNATIVE FUEL

Methanol Fuel Components

DSVU-MM Safety Valve Unit for methanol fuel service.



Model

DSVU-MM

Fluid

Methanol

Pressure

300 ~ 600 bar

Specifications

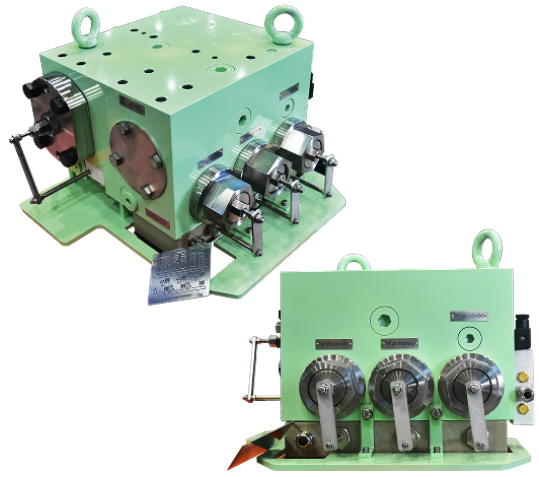
MODEL		DSVU-MM
Working Fluid		Methanol
Working Pressure		300 ~ 600 bar
Working Temperature		-20°C ~ 60°C
Size (Inlet x Outlet)		25A x 50A
Material	Body	Carbon steel
	Trim	Stainless steel

Product details

ALTERNATIVE FUEL

Ammonia Fuel Components

DSVU-AMM Safety Valve Unit for ammonia fuel service.



Model

DSVU-AMM

Fluid

Ammonia

Pressure

700 bar

Specifications

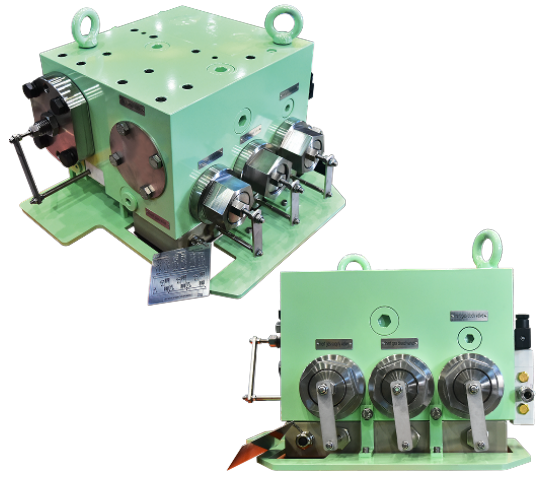
MODEL		DSVU-AMM
Working Fluid		Ammonia
Working Pressure		700 bar
Working Temperature		-20°C ~ 60°C
Size (Inlet x Outlet)		25A x 50A
Material	Body	Carbon steel
	Trim	Stainless steel

Product details

ALTERNATIVE FUEL

Safety Valve Unit

DSVU-MM for methanol and DSVU-AMM for ammonia: safety valve units configured for each fuel.



Models

DSVU-MM / DSVU-AMM

Fluid

Methanol / ammonia

Temperature

−20 to 60°C

Specifications

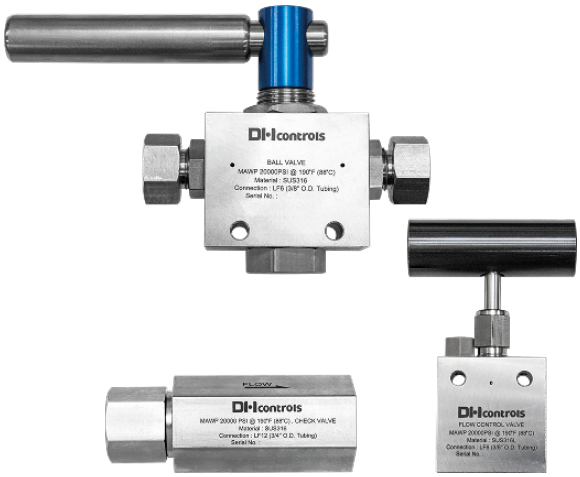
MODEL		DSVU-MM	DSVU-AMM
Working Fluid		Methanol	Ammonia
Working Pressure		300 ~ 600 bar	700 bar
Working Temperature		-20°C ~ 60°C	
Size (Inlet x Outlet)		25A x 50A	
Material	Body	Carbon steel	
	Trim	Stainless steel	

Product details

ALTERNATIVE FUEL

Hydrogen Valve

Control, shutoff and check valves for hydrogen lines.



Grade

H70

Temperature

−40 to 85°C

Material

SUS316L

Specifications

MODEL	FLOW CONTROL VALVE	STOP VALVE	CHECK VALVE
Working Fluid	Hydrogen		
Grade	H70		
Working Temperature	-40 ~ 85°C		
Size	3/8", 9/16", 3/4"	3/8", 9/16"	3/8", 9/16", 3/4"
End Connection	3/8"(LF6), 9/16"(LF9), 3/4"(LF12)		
Material	SUS316L		

Product details

DOSING & PUMP UNITS

iSCR Dosing / Pump Unit

In iSCR installations, the pump unit supplies and circulates urea solution, while the dosing unit controls injection.



Pump unit: urea solution supply and circulation

Dosing unit: metering the injection quantity

Product details

MARINE & INDUSTRIAL VALVES

Hydraulic Actuator

A multi-turn hydraulic actuator for screw-down valve control.



Type

Multi-turn hydraulic

Operating fluid

Mineral oil (ISO VG15-32)

Maximum operating pressure

135 bar

Specifications

MODEL		DHGT-MR	DHGL-MR	DHAG-MR
Operating Fluid		Mineral Oil (ISO VG15 ~ 32)		
Temperature Range		-20°C ~ 80°C		
Actuator Type		Multi Turn Hydraulic		
Operating Pressure (max.)		135 bar		
Working Pressure	Open	110 bar		
	Close	100 bar		
Applicable Valve Type		Gate	Globe	Angle
Valve Size		50A ~ 750A	50A ~ 600A	
Accessory (option)		Local Position Indicator		

Product details

MARINE & INDUSTRIAL VALVES

Pressure Regulating Valve

A self-acting valve for downstream pressure control, with DRG-CY, DRG-DP and DRG-PL models.



Models

DRG-CY / DRG-DP / DRG-PL

Working fluids

Air / water / liquid / oil

Size

15A-200A, depending on model

Specifications

Working Fluids	**Air, Water, Liquid, Oil**		
Temperature Range/Press	150°C / 20K		
Valve Type	Cylinder	Diaphragm	Pilot
Valve Size	15A ~ 150A	15A ~ 150A	32A ~ 200A
End Connection	JIS / DIN / ISO / ANSI Standard		
Trim	Stainless Steel		
Accessory	Glycerin Port, Y-Strainer, Press. Gauge		

Product details

MARINE & INDUSTRIAL VALVES

Safety Relief Valve

A Safety Relief Valve range for steam, air, water and liquid service.



Models

DSV-OL / DSL-OL / DSH-OL

Working fluids

Steam / air / water / liquid

Size

15A-200A, depending on model

Specifications

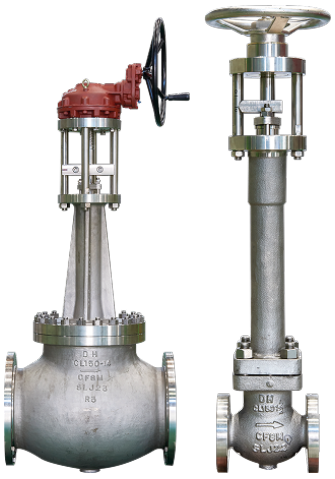
Working Fluids	**Steam, Air, Water, Liquid**		
Temperature Range / Press	0°C ~ 200°C/30K		
Valve Type	Full Bore	Low Lift	High Lift
Cap / Lever type	Close Cap, Close Lever, Open Lever		
Valve Size	15A ~ 200A	15A ~ 50A	15A ~ 50A

Product details

MARINE & INDUSTRIAL VALVES

Cryogenic Control Valve

Control valves for liquefied-gas and cryogenic service.



Temperature

−196 to 80°C

Size

DN15-DN300

Body

ASTM A351 stainless castings

Specifications

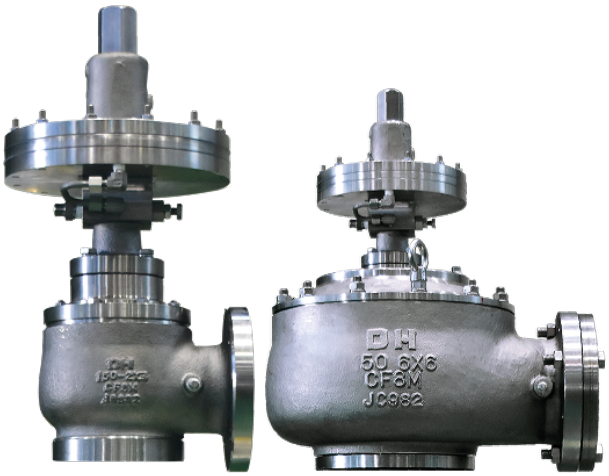
MODEL		**DCGT-MR**		
Operating Fluid		Liquefied GaAS / LNG / LPG / LN²		
Temperature Range		-196°C ~ 80°C		
Rating		ANSI 150LBS ~ 300LBS / JIS 10K ~ 20K		
Valve Size		1/2" ~ 12" (DN15 ~ DN300)		
Material	Body	ASTM A351 - CF8, CF8M, CF3M		
	Trim	Stainless steel		
Applicable Valve Type		Globe, Angle, Ball, Butterfly		
Actuator Type		Multi Turn Hydraulic	Pneumatic	Motor
Operating Source		80 bar ~ 90 bar	0.2 ~ 1.0bar / 0.4 ~ 2.0bar	4 ~ 20mA
Accessory(option)		Limit Switch, Manual Handle		

Product details

MARINE & INDUSTRIAL VALVES

Cryogenic Safety Valve

DHGT-MR safety valve for liquefied-gas service.



Model

DHGT-MR

Temperature

−196 to 125°C

Standards

ANSI / JIS connections

Specifications

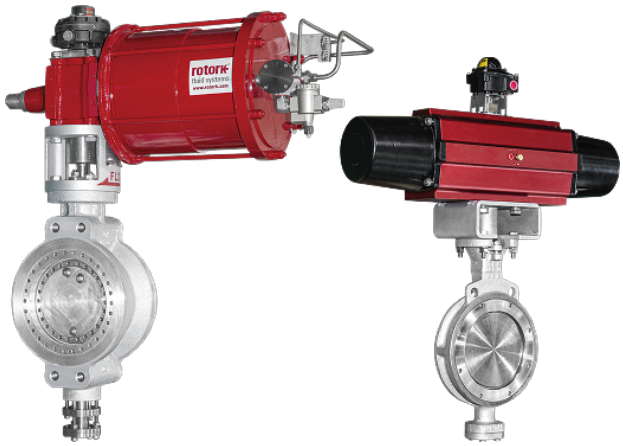
MODEL		DHGT-MR
Operating Fluid		Liquedfied Gas / LNG / LPG / LEG / LN² / LO² / LAr
Working Pressure		0.15 ~ 7 PSI / 0.01 ~ 0.5 kgf/cm² / 0.001 ~ 0.05 Mpa
Working Temperature		- 196°C ~ 125°C
Size (Inlet x Outlet) inch		2x3, 3x4, 4x6, 6x6, 8x10, 10x12
End Connection		ANSI / JIS Standard
Material	Body	A351 CF8M, B26 356-T6
	Trim	Stainless steel
Design Codee		ASME / API

Product details

MARINE & INDUSTRIAL VALVES

Air Bleed Valve

Triple-offset butterfly valve for compressor air-bleed service in power plants.



Pressure

4-12.5 bar

Temperature

Up to 425°C

Size

150A-450A

Power plants / Compressor air bleed service

Specifications

MODEL		COMPRESSOR AIR BLEED VALVE
Working Fluid		Air
Working Pressure		4 ~ 12.5 bar
Working Temperature		~ 425°C
Valve Type		Triple Offset Butterfly valve
Actuator type		Pneumatic (Double, Single acting)
Valve Size		150A ~ 450A
End Connection		ASME / DIN / ISO / JIS Standard
Material	Body	Cast steel / Stainless steel
	Trim	Solid Seat / Laminate Seat
Accessories (option)		Positioner, Air filter regulator, Solenoid valve

Product details

QUALITY

Certifications & approvals


QUALITY MANAGEMENT SYSTEM CERTIFICATE

DH CONTROLS Co., Ltd.

74, Mieumgukje 4-ro, Gangseo-gu, Busan, Korea

This is to certify that organization above has been audited and registered by KOTRIC-CC for the standard and scope described as follows:

ISO 9001:2015

CERTIFICATE NUMBER : IQS 9722

SCOPE :

Design, development and manufacture of control valves, screw down valves, hypro actuators & transmitters, damper valves for scrubber systems, safety valves, damper valves for SCR systems, triple incentric valves for EGR systems, remote valves for ship engines, ryogenic valves and shut-off valves, methanol safety valve unit

[IAF CODE : 18, 19]

EXCLUDED REQUIREMENT [None]

Valid Until : January 03. 2027
Initial Date : January 04. 2018
Issued Date : December 15. 2023

President

KOTRIC Certification Center

IQS9722


ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

DH CONTROLS Co., Ltd.

74, Mieumgukje 4-ro, Gangseo-gu, Busan, Korea

This is to certify that organization above has been audited and registered by KOTRIC-CC for the standard and scope described as follows:

ISO 14001:2015

CERTIFICATE NUMBER : IES 4362

SCOPE :

Manufacture of control valves, screw down valves, hypro actuators & transmitters, damper valves for scrubber systems, safety valves, damper valves for SCR systems, triple incentric valves for EGR systems, remote valves for ship engines, ryogenic valves and shut-off valves, methanol safety valve unit

[IAF CODE : 18, 19]

EXCLUDED REQUIREMENT [None]

Valid Until : January 03. 2027
Initial Date : January 04. 2018
Issued Date : December 15. 2023

President

KOTRIC Certification Center

IES4362


OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

DH CONTROLS Co., Ltd.

74, Mieumgukje 4-ro, Gangseo-gu, Busan, Korea

This is to certify that organization above has been audited and registered by KOTRIC-CC for the standard and scope described as follows:

ISO 45001:2018

CERTIFICATE NUMBER : IOS 8067

SCOPE :

Manufacture of control valves, screw down valves, hypro actuators & transmitters, damper valves for scrubber systems, safety valves, damper valves for SCR systems, triple incentric valves for EGR systems, remote valves for ship engines, ryogenic valves and shut-off valves, methanol safety valve unit

[IAF CODE : 18, 19]

EXCLUDED REQUIREMENT [None]

Valid Until : December 17. 2026
Initial Date : December 18. 2020
Issued Date : December 15. 2023

President

KOTRIC Certification Center

IOS8067

Engine-maker approvals

WinGD iCER butterfly valve supplier approval

None | 2026-05-01

Everllence standard butterfly valve provisional approval

1105.1 | 2026-04-08

Everllence IRBV butterfly valve provisional approval

1060.2 | 2026-03-23

View certificates and approval documents

CONTACT

Contact

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Busan, Republic of Korea

For product inquiries, include the application, medium, temperature, pressure and valve size.

E-Catalog →

2026.10