



HYUNSONG CONTROLS



현송컨트롤스(주)
HYUNSONG CONTROLS

Greeting

Representative Greeting

I sincerely appreciate your attention.

We are the company to handle shipbuilding equipment such as Screw down valve, Transmitter, Special valve and onshore plant, Since 2016, have sustained the highest development based on the strategic partnership with the local top shipbuilding companies.

We do our best to make a drastic investmet on sustainable R&D(Research & Development) in order to hold the best technology and competitiveness for customers' satisfaction and seek for expanding our business abroad.

Hyunsong Controls will go up to the top company in the world by diversifying business with our cutting-edge technology and quality.

Thanks and best regards.

Company History

2016

- 2016. 12**
- 현송콘트롤스(주) 법인 설립
 - 부산대학교 창업보육센터 입주
 - 부산대학교 기술지주(주) 자회사 편입

2017

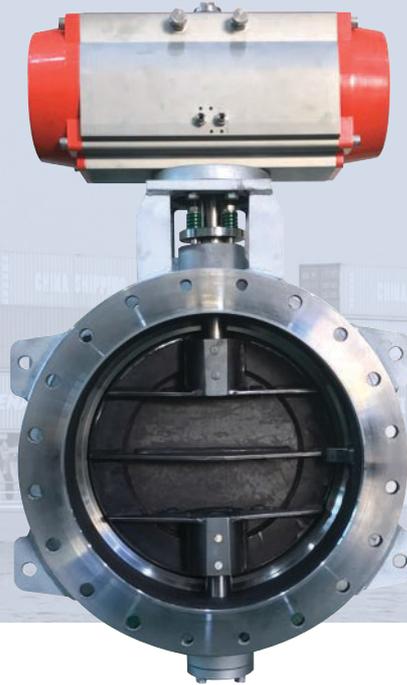
- 2017. 01**
- 벤처기업 등록
- 02**
- 연구소기업 등록
- 04**
- 연구개발특구 <연구소기업R&BD> 기술이전사업화 사업 협약
- 06**
- 산학연협력 첫걸음기술개발사업 협약
- 07**
- 이영우 대표이사 취임

2018

- 2018. 04**
- 기술이전 계약 체결(한국광기술원)
- 05**
- 산학연협력 첫걸음기술개발사업 개발품 납품
- 08**
- 기술이전사업화 사업 개발품 사업화

DAMPER VALVE

FOR SCR SYSTEM (SELECTIVE CATALYTIC REDUCTION SYSTEM)



FEATURES

1. This valve is designed for pollution environment of Solas rule.
2. On-off type, proportion control type (Depending on the system).
3. Criterion of valves work scope for LP SCR System.
 - RBV (Reactor By-pass Valve), RSV (Reactor Sealing Valve), RTV (Reactor Throttle Valve), ASV (Ari Sealing Valve), BSV (Blower Sealing Valve), EGB-BV (EGB-By-pass Valve), BTV (Blower Throttle Valve), EGB-SV (EGB-Supply Valve)

SPECIFICATIONS

MODEL		DSCR-AR				
Type	Controllable	On/Off	Controllable	On/Off	Controllable	On/Off
Application Position	RTV	RBV/RSV	BSV	ASV	EGB-BV	BTV/EGB-SV
Applicable Fluids	Gas					
Temperature Range	20°C ~ 420°C			20°C ~ 500°C		
Actuator Type	Rack & Pinion, Pneumatic					
Action	Double Acting					
Operating angle	90° ± 5°					
Valve Size	200A ~ 3200A		200A ~ 1000A		200A ~ 1000A	
End Connection	JIS / DIN / ISO / ANSI Standard					
Material	Body	SS400			SUS304	
	Trim	Stainless Steel				
Accessories (option)	Smart Positioner, Air regulator, Solenoid valve, Limit Switch, Junction Box, Air Tank, PDT					

TRIPLE ECCENTRIC VALVE

FOR EGR SYSTEM (EXHAUST GAS RECIRCULATION)



FEATURES

1. This valve ensures proper operation of engine and EGR system (Gas-liquid fluid composition) by using 4-7 different butterfly valves.
2. Various types according to application positions.
3. There are Standard type and Acid resistant type.

SPECIFICATIONS

MODEL	DEGR-ST		DEGR-AR	
Item	Standard TIER III Valve		Acid resistant TIER III Valve	
Type	Controllable	On/Off\RSV,	Controllable	On/Off
Application Position	RTV, RBV, EGB, CBV	TCO	BCO	CCO, BPCO, ESD
Working Fluids	Warm exhaust gas or air		Wet and/or cold exhaust gas	
Temperature Range	200~500℃ (Max. 550℃)		25~75℃ (Max. 200℃)	25~75℃ (Max. 200℃) or 25~500℃ (Max. 550℃)
Actuator type	Rack & Pinion, Pneumatic			
Valve Size	400A ~ 2000A		200A ~ 500A	200A ~ 800A
End Connection	JIS / DIN / ISO / ANSI Standard			
Material	Body	Cast steel, Ductile Cast Iron, Stainless Steel		
	Trim	Cast steel, Ductile Cast Iron, Stainless Steel		
Accessory	Smart Positioner, Air regulator, Solenoid valve, Limit Switch, Junction Box, Air Tank, PDT			

PNEU' ACTUATOR CONTROL VALVE

FOR BWTS (BALLAST WATER TREATMENT SYSTEM)



FEATURES

1. Low emission by quarter turn design.
2. Easy installation and operation.
3. Can be installed in both horizontal and vertical position.

SPECIFICATIONS

MODEL		DPBT-J02	DPBT-J03
Working Fluids		Sea Water	
Temperature Range		-20°C ~ +80°C	
Actuator Type		Rack & Pinion, Scotch yoke	
Action		Double Acting	
Operating angle		90° ± 5°	
Valve Type		Butterfly (Lug, Flange, Wafer)	
Valve Size		200A ~ 450A	500A ~ 600A
End Connection		JIS / DIN / ISO / ANSI Standard	
Material	Body	Ductile Cast Iron	
	Trim	Stainless Steel	
Accessory		Speed Controller, E/P Positioner, Air regulator	

AIR WASTE GATE VALVE

GATE VALVE



FEATURES

1. For decreasing abnormal pressure and noise in the engine inside.
2. Intended to be applied to the engine.
3. This increases thermal efficiency of engine.
4. Compact and easy Installation.

SPECIFICATIONS

MODEL		DAWS-GT
Working Fluids		Air
Temperature Range		0°C ~ 60°C
Noise Reduction		Min 30dB
Valve type		Gate
Valve size		50A
End Connection		JIS / DIN / ISO / ANSI Standard
Material	Body	A6061-T6
	Trim	Stainless steel

STEAM INJECTOR



FEATURES

1. This is used in order to heat a water tank by recirculating exhaust heat.
2. With simple design, high durability, less vibration and noise compare to the previous model which has complicated structure.
3. With strong corrosion resistance, this provides a reliable performance in severe conditions such as saltwater, sewage and so on.

SPECIFICATIONS

MODEL		SJ-SW
Working Fluids		Steam
Temperature Range / Press		-20℃ ~ 220℃ / 16K
Noise		Below 85dB
Valve size		25A ~ 50A
End Connection		FLANGE / SCREW / BUTT.WELDING TYPE
Material	Body	Stainless steel
	Trim	Stainless steel

3-WAY CONTROL VALVE

MOTOR / CYLINDER / DIAPHRAGM TYPE



FEATURES

1. Accurate temperature control using a controller.
2. Easy installation and maintenance.
3. Smoother throttling flow.
4. Flow direction changes are possible.
5. The emergency handle can be attached.

SPECIFICATIONS

MODEL		D3RT-MT	D3RT-CY	D3RT-DP
Working Fluids		Fresh Water, Sea Water, Oil		
Temperature Range		-20°C ~ 100°C		
Valve Size		80A ~ 600A		
End Connection		JIS / DIN / ISO / ANSI Standard		
Material	Body	Ductile Cast Iron, Cast Steel, Carbon Steel		
	Trim	Stainless Steel, Cast Bronze, Steel		
Flow Characteristics		Linear, On-off		
Actuator Type		Elec. Motor	Cylinder	Diaphragm
Operating Source		110/220V AC	4 bar Air	0.2~1 Bar or 0.4~2 Bar
Accessory		Controller(E/P, P/P), Sensor(Temperature), Positioner(E/P, P/P), Air Regulator		

2-WAY CONTROL VALVE

MOTOR / CYLINDER / DIAPHRAGM TYPE



FEATURES

1. The accurate temperature, pressure, viscosity and level control are possible.
2. Easy installation and maintenance.
3. The emergency handle can be attached.

SPECIFICATIONS

MODEL		D2CT-MT	D2CT-DP
Working Fluids		Steam, Water, Oil	
Temperature Range		-20°C ~ 220°C	
Valve Size		15A ~ 300A	
End Connection		JIS / DIN / ISO / ANSI Standard	
Material	Body	Cast Steel, Ductile Cast Iron, Cast Bronze	
	Trim	Stainless Steel	
Flow Characteristics		EQ%, Linear, Quick Opening	
Actuator Type		Elec. Motor	Diaphragm
Operating Source		110/220V AC	0.2~1 Bar or 0.4~2 Bar
Accessory		Controller(E/P, P/P), Sensor(Temperature/Pressure), Positioner(E/P, P/P), Air Regulator, Solenoid valve, Y-Strainer	

ELECTRONIC & ELECTRO-PNEUMATIC CONTROLLER

TEMPERATURE / PRESSURE CONTROL



SPECIFICATIONS

MODEL	EPC-TP	EPC-PR
Power Supply	110/220V AC, 50/60Hz	
Supply Air Pressure	1.4 Bar, 2.4 Bar	
Control Mode	On-off, P, PI, PID	
Control Action	Direct, Reverse	
Signal Input	RTD(Pt 100Ω), 4 ~ 20mA	
Type	Temperature	Pressure
Control Output	4 ~ 20 mA : Electronic 0.2~1 Bar / 0.4~2 Bar : Electro-pneumatic	
Accessory (option)	Temperature Sensor, Pressure Sensor, Air Regulator	

PNEUMATIC CONTROLLER

TEMPERATURE / PRESSURE CONTROL



SPECIFICATIONS

MODEL	PPC-TP	PPC-PR
Supply Air Pressure	1.4 Bar, 2.4 Bar	
Control Mode	On-off, P, PI, PID	
Control Action	Direct, Reverse	
Type	Temperature	Pressure
Signal Input	Temp.	Temp, sensor with capillary tube (5m)
	Press.	Direct or through oil separator
Control Output	0.2~1.0 Bar, 0.4~2.0 Bar	
Control Range	Temp.	0~70°C, 0~100°C, 0~150°C, 50~120°C, 50~150°C,
	Press.	0~6 Bar, 0~10 Bar, 0~16 Bar, 0~26 Bar
Accessory (option)	Positioner(P/P), Air Regulator	

SAFETY RELIEF VALVE

FULL BORE / LOW LIFT / HIGH LIFT TYPE



FEATURES

1. Simple design and excellent seat tightness.
2. Rapid opening action at over-set pressure.
3. Various caps or lever as airtight or emergency operating.
4. Simple structure for convenient maintenance.

SPECIFICATIONS

MODEL		SV-FB	SV-LF	SV-HF
Working Fluids		Steam, Air, Water, Liquid		
Temperature Range / Press		-20°C ~ 220°C / 30K		
Valve type		Full Bore	Low Lift	High Lift
Cap / Level type		Close Cap, Close Lever, Open Lever		
Valve size		15A ~ 200A	15A ~ 50A	
End Connection		JIS / DIN / ISO / ANSI Standard		
Material	Body	Cast Steel, Ductile Cast Iron, Cast Bronze		
	Trim	Stainless steel		

DAMPER VALVE

TRIPLE ECCENTRIC VALVE

PNEU' ACTUATOR CONTROL VALVE

AIR WASTE GATE VALVE

STEAM INJECTOR

3-WAY CONTROL VALVE

2-WAY CONTROL VALVE

ELECTONIC & ELECTRO-PNEUMATIC CONTROLLER

PNEUMATIC CONTROLLER

SAFETY RELIEF VALVE



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HYUNSONG CONTROLS

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