GP-1000H

THE GP-1000 SERIES PRESSURE REDUCING VALVES FOR THE GLOBAL MARKET REPRESENT A SIGNIFICANT ADVANCE TECHNOLOGY OVER THE PREVIOUS ALL OUR PRESSURE REDUCING VALVES. INCORPORATING AS THEY DO A NUMBER OF IMPROVEMENTS.

Features

- 1. Performance is light-years ahead of conventional pressure reducing valves, and durability has been improved, too.
- 2. With a maximum reducing ratio of 20:1, systems, which previously required two stages, can now be handled in one stage.
- 3. Excellent sealability is due to the spherical surface of the main valve (enquivalent to ANSI Class IV).
- 4. Internal structure is simple, but strong.
- 5. Specfications are conformed to HASS 106 (Heating, Air-conditioning and Sanitary
- 6. The material of gaskets is used non-asbestos.



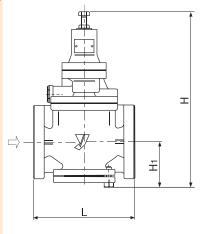
(Connection	JIS 16K FF Flanged	
1	lominal Size	15A ~ 100A	
F	Application	Steam	
I	nlet Pressure	0.1~1.6MPa (1-16kgf/cm ² G)	
Reduced Pressure		(A)0.05~0.9MPa (0.5-9kgf/cm²G) (B)0.9~1.4MPa (9-14kgf/cm²G)	
		90% or less of inlet pressure	
1	Min. Differntial Pressure	0.05MPa (0.5kgf/cm ²)	
Max. Pressure Reduction Ratio		20 : 1	
ľ	Maximum Temperature	220°C	
١	/alve Seat Leakage	0.01% or less of rate flow	
<u> </u>	Body	Ductile cast iron	
Material	Valve	Stainless steel	
Лаt	Valve Seat	Stainless steel	
2	Piston / Cylinder	Stainless steel	

- Adjusting handle type is also available. (GP-1 1)
- Dower pressure model (0.03~0.15MPa(0.3~1.5kgf/cm²G)reduced pressure)is also available.(GP-1□□2)
- Stainless steel main components (including piston & cylinder) are also available. (GP-1□□□S)

● Dimensions and Weight

	(11111)			
Nominal Size	L	Н	H1	Weight (kg)
15A	150	285	64	8.0 (7.0)
20A	155	285	64	8.5 (7.0)
25A	160	300	67	10.0 (8.5)
32A	190	323	82	14.0 (12.0)
40A	190	323	82	14.5 (12.5)
50A	220	347	93	20.0 (18.0)
65A	245	357	100	30.0
80A	290	404	122	35.0
100A	330	450	144	52.5





GP-2000

- Pilot operated diaphragm type
- Far superior capacity and performance
- Stable reduced pressure control
- Valve leakage meets ANSI class IV
- High reduction ratio (20:1)

Application	Steam	
Inlet pressure	0.1~2.0MPa (1.0~20kgf/cm²G)	
Reduced pressure	(A) 0.02~0.15MPa (0.2~1.5kgf/cm ² G)	
neudced pressure	(B) 0.1~1.4MPa (1.0~14kgf/cm ² G)	
Max. temperature	220°C	
Connection	Scrd : JIS Rc (PT) screwed	
Connection	Flgd : JIS 20K RF, JIS 10K FF flanged	
	Body : Ductile cast iron	
Material	Main valve & seat : Stainless steel	
Wateria	Pilot valve & seat : Stainless steel	
	Diaphragm : Stainless steel	
Size	Scrd : 1/2"~2"	
SIZE	Flgd: 1/2"~8"	



GDK-2000

- For remote control

Application	Steam	
Inlet pressure	0.1~2.0MPa (1.0~20kgf/cm ² G)	
Reduced pressure	0.05~1.4MPa (0.5~14kgf/cm ² G)	
Max. temperature	220°C	
Connection	Scrd : JIS Rc (PT) screwed	
Connection	Flgd : JIS 20K RF, JIS 10K FF flanged	
	Body : Ductile cast iron	
Material	Valve & seat : Stainless steel	
	Diaphragm : Stainless steel	
Size	Scrd: 1/2"~2"	
OIZG	Flgd: 1/2"~4"	



GP-1000

- Pilot operated piston type
- Superior durability
- Stable performance
- Valve leakage meets ANSI class IV
- High reduction ratio (20:1)

Application	Steam	
Inlet pressure	0.1~1.0MPa (1.0~10kgf/cm ² G)	
Reduced pressure	0.05~0.9MPa (0.5~9.0kgf/cm ² G)	
Max. temperature	220°C	
Connection	JIS 10K FF Flanged	
	Body : Ductile cast iron	
Material	Main valve & seat : Stainless steel	
iviaterial	Pilot valve & sea : Stainless steel	
	Piston & Cylinder : Brass or bronze	
Size	1/2"~4"	



GP-27

- Pilot operated piston type
- Reliable performance
- Large capacity while controlling reduced pressure
- Wide pressure range

Steam	
0.1~1.0MPa (1.0~10kgf/cm²G)	
0.03~0.8MPa (0.3~8.0kgf/cm ² G)	
220°C	
JIS 10K FF Flanged	
Body : Cast iron	
Main valve & seat : Stainless steel	
Pilot valve & seat : Stainless steel	
Piston & Cylinder : Bronze	
5"~8"	



GD-6-6N



Model		GD-6N GD-6		
Application		Steam	Water, Air, Oil, Non-corrosive fluids	
Inlet	pressure	Max.1.0MPa (10kgf/cm ² G)		
Reduce	d pressure	(A)0.02~0.1MPa(0.2~1.0kgf/cm ² G)		
Hoduco	a prossure	(B)0.1~0.4MPa(1.0~4.0kgf/cm ² G)		
Max. te	mperature	220°C	80°C	
Con	nection	JIS Rc (PT) screwed		
	Body	Cast iron		
Material	Valve & seat	Stainless steel	FKM & brass or bronze	
	Diaphragm	Stainles	ss steel	
Size		3/8"~1"		

- Direct-acting type
- Easy installation and operation
- Integral strainer prevents dirt problem

GD-30-305



Model		GD-30	GD-30S	
Application		Steam, Air	Steam	
Inlet	pressure	Max. 1.7Mpa (17kgf/cm ² G)	Max. 2.0Mpa (20kgf/cm ² G)	
		(A) 0.02~0.1MPa (0.2~1.0kgf/cm ² G)		
Reduced	d pressure	(B) 0.05~0.4MPa (0.5~4.0kgf/cm ² G)		
		(C) 0.35~1.0Mpa (3.5~10kgf/cm ² G)		
Max. te	mperature	210°C	220°C	
Coni	nection	JIS Rc (PT) screwed		
	Body	Bronze	Stainless steel	
Material	Valve & seat	Stainless steel	Stainless steel	
	Bellows	Phosphor bronze	Stainless steel	
Size		1/2"~1", 1-1/2", 2"	1/2"~1"	

- Direct-acting type
- Small, compact and advance design
- Superior performance and durability
- Easy adjustment with handle
- Integral strainer prevents dirt problem
- Wetted parts stainless steel(GD-30S)

GD-45



Application	Steam	
Inlet pressure	Max.2.0Mpa (20kgf/cm ² G)	
	(A) 0.02~0.1Mpa (0.2~1.0kgf/cm ² G)	
Reduced pressure	(B) 0.05~0.4Mpa (0.5~4.0kgf/cm ² G)	
	(C) 0.35~1.0Mpa (3.5~10kgf/cm ² G)	
Max. temperature	220°C	
Connection	JIS Rc (PT) screwed	
	Body : Ductile cast iron	
Material	Valve & seat : Stainless steel	
	Bellows : Phosphor bronze	
Size	1/2"~1"	

- Direct-acting type
- Small and compact
- Superior performance and durability
- Easy installation and operation
- Integral strainer prevents dirt problem

6D-200



M	odel	GD-200	GD-200H	GD-200C
Application		Water, Oil (Kerosene, Heavy oil A/B), Air, Non-corrosive fluids		
Inlet pressure		Max. 1.0MPa (10kgf/cm ² G)	Max. 2.0MPa (20kgf/cm ² G)	Max. 1.0MPa (10kgf/cm ² G)
Reduced pressure		1/2"~3": (A) 0.05~0.25MPa (0.5~2.5kgf/cm²G) (B) 0.26~0.7MPa (2.6~7.0kgf/cm²G) 4"~6": (A) 0.05~0.25MPa (0.5~2.5kgf/cm²G)		
May to	mperature	(B) 0.26~0.5MPa (2.6~5.0kg 80°C		gf/cm²G) 60°C
	nection	JIS 10K FF flanged	JIS 20K RF flanged	JIS 10K FF flanged
	Body	Ductile cast iron		
Material	valve & seat	NBR & stainless steel		
	Bellows	NBR		
5	Size	1/2"~6"		

- Direct-acting type
- Stable reduced pressure against fluctuation of inlet pressure because of pressure balance mechanism
- Nylon 11 coating both inside and outside of GD-200C body

GD-24

- Direct-acting type
- Small and compact
- Superior performance and durability
- Easy installation and operation
- Integral strainer prevents dirt problem

Application	Water	
Inlet pressure	0.2~1.6MPa(2~16kgf/cm ² G)	
Reduced pressure	0.05~0.55MPa(0.5~5.5kgf/cm ² G)	
Max. temperature	80°C	
Connection	JIS Rc (PT) screwed	
	Body: Bronze	
Material	Valve & seat : Brass & Stainless steel	
Material	Valve Disc : Urethane rubber	
	Diaphragm : NBR	
Size	1/2"~2"	
	<u>-</u>	



GD-41-43

- Direct-acting type
- SCS14A/SUS316 stainless steel for wetted parts
- Material identification for recycling
- Stable pressure control by pressure balance structure

Model	GD-41	GD-43-10	GD-43-20	
Application	Water, Air, Non-corrosive gases, Steam for washing/sterilization			
Inlet pressure	0.07~2.0MPa (0.7~20kgf/cm ² G)	0.07~1.0MPa (0.7~10kgf/cm ² G)	0.07~2.0MPa (0.7~10kgf/cm ² G)	
	(A) 0.0	(A) 0.02~0.1MPa (0.1~1.0kgf/cm ² G)		
Reduced pressure	(B) 0.1~0.25MPa (1.0~2.5kgf/cm ² G)			
	(C) 0.25~0.5MPa (2.5~5.0kgf/cm ² G)			
Temperature		5~90°C *2		
Connection	JIS Rc(PT) screwed	JIS 10K FF flanged	JIS 20K RF flanged	
	Body : stainless steel			
Material	valve & seat : Synthetic rubber & stainless steel			
matorial	Diaphragm : Synthetic rubber & PTFE			
Size	1/2"~1"			



GD-40055

- For extremely low pressure control
- Max. reduction ratio is 400:1.
- GD-400SS : Wetted parts stainless steel

Model		GD-400	GD-400SS	
Application		Air, N2 gas, CO2 gas		
Inlet pressure		2.5~400kPa (0.025~4kgf/cm ² G)		
Reduced pressure		(A) 0.5~1.4MPa (0.005~0.014kgf/cm ² G)		
		(B) 1.2~3.3MPa (0.012~0.033kgf/cm ² G)		
		(C) 3.0~8.0Mpa (0.03~0.08kgf/cm ² G)		
		(D) 7.0~20Mpa (0.07~0.2kgf/cm ² G)		
Temperature		5~60°C		
Connection		JIS 10K FF flanged		
	Body	Cast iron	Stainless steel	
Material	Valve	Synthetic rubber		
	Diaphragm	Synthetic rubber		
	Trim	Stainless steel		
Size		1/2"~1"		



GD-26

- Direct-acting type
- Anti-corrosion material for wetted parts
- Low noise and stable pressure control
- Integral strainer prevents dirt problem
- Closed contruction so that no leakage to outside

Model		GD-26	GD-26S	GD-26G	GD-26Gs	
Application		Water A		Air, Non-cor	Air, Non-corrosive gases	
Inlet pr	essure	Max . 1.0MPa (10kgf/cn		10kgf/cm²G)		
Reduced pressure		(A) 0.05~0.35MPa (0.5~3.5kgf/cm ² G) (B) 0.3~0.7MPa (3.0~7.0kgf/cm ² G)				
Temperature		5~90°C				
Connection		JIS Rc (PT) screwed				
Material	Body	Bronze	Stainless steel	Bronze	Stainless steel	
	Valve	Synthetic rubber				
	Seat	Bronze	Stainless steel	Bronze	Stainless steel	
	Diaphragm	Synthetic rubber				
Size		1/2"~2"	3/4"~2"	1/2"~2"	3/4"~2"	





Feature		Diaphragm / Carbon steel	Low pressure	Low pressure / balance type	
Model		GP-12/22	GD-4	GD-4B	
Picture					
Application		Steam	Air, Non-corrosive gases		
Inlet pressure		0.1~3.0MPa	Max.300kPA	Max.800kPa(3/4"~2") Max.500kPa(2-1/2"~6")	
		0.02~0.21MPa	2~200kPa		
Red	duced pressure	0.14~0.7MPa			
·		0.56~1.75MPa	*Contact us on pressure range for each valve.		
Ma	x. temperature	260°C	80°C		
	Connection	GP-12 : JIS Rc screwed	IIC 101/ FF flanged		
Connection		GP-22 : JIS 30K RF flanged	JIS 10K FF flanged		
Body		Cast carbon steel	Cast iron		
	Main valve	Stainless steel	NBR (3/4"~2") Stainless steel (2-1/2"~6")	NBR	
Material	Main valve seat	Stainless steel	Stainless steel		
	Pilot valve	Stainless steel	-		
	Pilot valve seat	Stainless steel	-		
	Diaphragm	Stainless steel	NBR		
Size		1/2"~2"	3/4"~6"		
Others					

	Feature	316 Stainless steel	General air regulator	Piston type	Piston type / balance type
Model		GD-8N	GD-9	GD-7	GD-7B
Picture					
	Application	Pure Water, Air, N2, CO2, Ar	Air, Non-corrosive gases	Water, Oil, Non-corrosive liquids	
Inlet pressure		0.1~1.0MPa	0.1~0.99MPa	0.1~1.0MPa	
Reduced pressure		0.05~0.7MPa	0.05~0.85MPa	3/4"~2" (A) 0.05~0.25MPa (B) 0.25~0.45MPa (C) 0.45~0.7MPa*1	2-1/2"~6" (A) 0.05~0.2MPa (B) 0.2~0.5MPa (C) 0.5~0.7MPa*1
Max. temperature		60°C	60°C	80°C *2	
Connection		JIS Rc screwed	JIS Rc screwed	JIS 10K FF flanged	
	Body	316 Stainless steel	Aluminium die casting	Cast iron *3	
Material	Valve	316 Stainless steel	NBR	Phosphor bronze *4	NBR
Material	Valve seat	316 Stainless steel	Aluminium die casting	Phosphor bronze *4	Brass *4
	Diaphragm	PTFE	NBR	Piston : Bronze *4	
Size		1/8"~1/2"	1/4"~1"	3/4"~6"	
Others				*1 : 0.7~1.6MPa is also available as GD-7H or GD-7BH. *2 : Max. 120 °C is also available. *3 : Cast carbon steel is also available. *4 : Stainless steel is also available.	