

# GD-200 Series

Direct type	Pilot type	Piston	Diaphragm
Bellows	Internal sensing	External sensing	Stainless steel
With handle	Built-in strainer	Low pressure	Remote
Valve leakage 0	JWWA	Nylon	



JWWA approval  
(GD-200C-N)

## ■Features

1. Pressure balance structure can keep the reduced pressure at a constant level without being affected by inlet pressure.
2. Highly wear-resistance and durability of stainless steel made valve seat.
3. Maintenance and inspection can be conducted easily by disassembling simply from the upper side.
4. A rubber disc prevents leakage when the valve is closed.
5. The GD-200C provides excellent corrosion resistance due to inner and outer body surface coated with Nylon 11.
6. Horizontal or vertical installation is possible. (For above 80A, horizontal piping with upward posture.)



GD-200C



GD-200

## ■Specifications

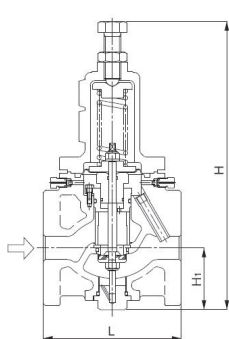
Model	GD-200	GD-200C	GD-200C-N	GD-200H
Application	Cold and hot water, Oil (kerosene, heavy oils A and B), Air, Other non-dangerous fluids		Cold and hot water	Cold and hot water, Oil (kerosene, heavy oils A and B), Air, Other non-dangerous fluids
Inlet pressure	1.0 MPa or less			2.0 MPa or less
Reduced pressure	15A-80A (A) 0.05-0.25 MPa (B) 0.26-0.7 MPa 100A-150A (A) 0.05-0.25 MPa (B) 0.26-0.5 MPa			15A-50A (A) 0.05-0.25 MPa (B) 0.26-0.7 MPa (C) 0.5-1.0 MPa 65A-80A (A) 0.05-0.25 MPa (B) 0.26-0.7 MPa (C) 0.5-0.9 MPa 100A-150A (A) 0.05-0.25 MPa (B) 0.26-0.5 MPa (C) 0.5-0.75 MPa
Minimum differential pressure	0.05 MPa			
Maximum pressure reduction ratio	10:1			
Minimum adjustable flow rate	Water: 5 L/min Air: 10 m <sup>3</sup> /h (standard condition)		5 L/min	Water: 5 L/min Air: 10 m <sup>3</sup> /h (standard condition)
Application temperature	5-80°C	5-60°C		5-80°C
Fluid viscosity	600 cSt or less		-	600 cSt or less
Material	Body	Ductile cast iron		
	Valve seat	Stainless steel		
	Valve disc	NBR	EPDM or FKM	NBR
	Diaphragm	NBR	EPDM or FKM	NBR
Connection	JIS 10K FF flanged			JIS 20K RF flanged
Inside surface treatment of body	15A-100A: Electrodeposition coating 125-150A: Tar-based coating(black) or electrodeposition coating	Nylon 11 (inside and outside surfaces of body)		15A-100A: Electrodeposition coating 125-150A: Tar-based coating(black) or electrodeposition coating

- GD-200, 200C, 200H: Available with FKM type (except for GD-200H(C) of 65A to 150A).
- GD-200, 200C, 200H: Available with pressure gauge (JIS Rc1/4). JIS Rc3/8 is also available upon request.
- GD-200C-N: The size of pressure gauge port is Rc3/8. Available to manufacture with pressure gauge as option. (75 φ for 0.5 MPa and 1.0 MPa).

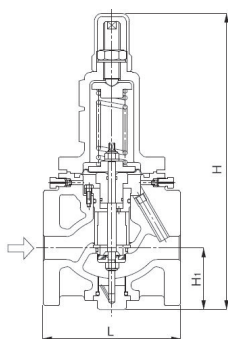
GD-200C-N



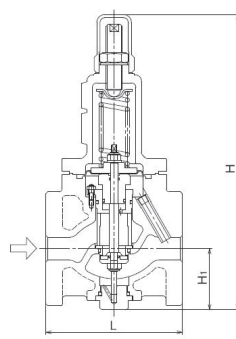
## ■ Dimensions (mm) and Weights (kg)



GD-200-200H



GD-200C



GD-200C-N

· Parts structure will be differ depend on size.

## · GD-200, 200H

(mm)

Nominal size	L	H	H <sub>1</sub>	Weight	
				GD-200	GD-200H
15A	145	310	57	8.2	8.2
20A	150	310	57	8.2	8.2
25A	150	333	67	10.0	10.0
32A	195	397	76	17.3	17.3
40A	195	397	76	17.3	17.3
50A	195	415	81	19.2	19.2
65A	270	555	110	40.0	40.0
80A	270	582	125	43.7	43.7
100A	308	645	143	70.0	70.7
125A	380 (384)	849	179	144.0	145.0
150A	400 (404)	918	204	173.0	175.0

\* The above values in parentheses are the dimensions of the GD-200H.

## · GD-200C, 200C-N

(mm)

Nominal size	L	H	H <sub>1</sub>	Weight	
				GD-200C	GD-200C-N
15A	145	296	57	8.3	8.3
20A	150	296	57	8.3	8.3
25A	150	318	67	10.1	10.1
32A	195	398	76	17.4	17.4
40A	195	398	76	17.4	17.4
50A	195	412	81	19.3	19.3
65A	270	573 (575)	113 (110)	40.1	45.0
80A	270	598 (600)	128 (125)	43.8	50.0
100A	308	666 (670)	146 (143)	70.1	75.0
125A	380 (384)	875 (900)	182 (179)	144.1	145.0
150A	400 (404)	930 (960)	207 (204)	173.1	180.0

\* The above values in parentheses are the dimensions of the GD-200C-N.