

GD-7B

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



■Features

1. Simple in structure, less prone to fail and easy to maintain.
2. Outstanding performance as a pressure reducer for lubricant grease and heavy oil.
3. Pressure balance structure provides stable reduced pressure to inlet pressure and increased maximum pressure ratio.

■Specifications

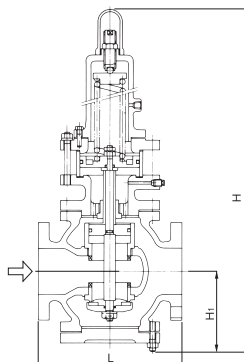
Model	GD-7B	
Application	Cold and hot water, Oil, Other non-dangerous fluids	
Nominal size	20A-50A	65A-150A
Inlet pressure	0.1-1.0 MPa	
Reduced pressure	(A) 0.05-0.25 MPa (B) 0.25-0.45 MPa (C) 0.45-0.7 MPa	(A) 0.05-0.2 MPa (B) 0.2-0.5 MPa (C) 0.5-0.7 MPa
	85% or less of inlet pressure (gauge pressure)	
Minimum differential pressure	0.05 MPa	
Maximum pressure reduction ratio	20A-50A: 20:1 65A-150A: 15:1	
Application temperature	5-80°C *	
Valve seat leakage	None	
Fluid viscosity	700 cSt or less	
Material	Body	Cast iron
	Valve disc	Stainless steel (NBR disc incorporated)
	Valve seat	Stainless steel
	Spindle	Stainless steel
	Piston	Bronze
Connection	JIS 10K FF flanged	

* Available with withstanding up to 120°C.

· Available with the GD-7BH, made of cast steel, with inlet pressure of 2.0 MPa or less and reduced pressure of 0.7 to 1.6 MPa.

■Dimensions (mm) and Weights (kg)

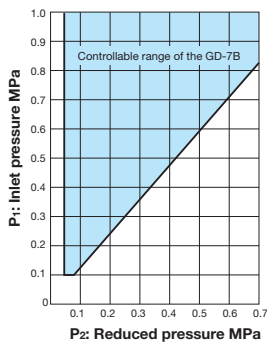
Nominal size	L	H	H ₁	Weight
20A	170	535	95	20
25A	170	535	95	22
32A	180	545	100	23
40A	180	545	100	23
50A	180	565	110	26
65A	215	680	125	41
80A	260	705	140	51
100A	300	755	165	66
125A	360	815	195	90
150A	382	885	225	129



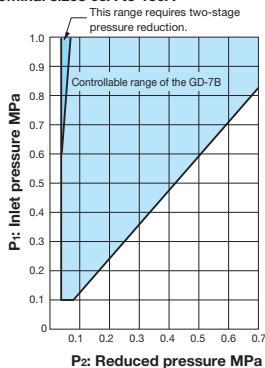
Structure is different depends on nominal size.

Specifications Selection Chart

• Nominal sizes 20A to 50A

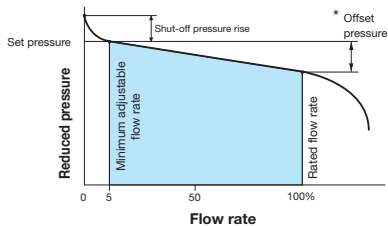


• Nominal sizes 65A to 150A



Flow Characteristic Chart

Nominal size	Shut-off pressure rise	
	GD-7B	GD-7BH
20A-50A	Within 10% of set pressure	Within 15% of set pressure
65A-150A	Within 15% of set pressure	Within 15% of set pressure



Nominal size	Offset pressure MPa	
	GD-7B	GD-7BH
20A-50A	Within 0.08	Within 0.23
65A-150A	Within 0.11	Within 0.18

Nominal Sizes Selection Chart (For Water)

