GD-4R

Direct type | Pilot type | Diaphragm | Piston
Bellows | Internal sensing | External sensing | Stainless steel
Nylon | Slight pressure | DP regulating | Pressure sustaining



■Features

1. Used as a safety apparatus for adjusting slight pressure air and gases. Able to use at industrial plant.
2. Diaphragm with a large pressure sensing area has high accuracy to set pressure.
3. No leakage to outside since there is no gland part.

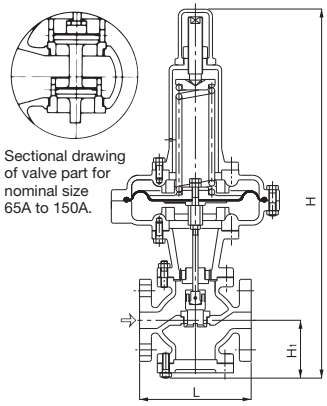
■Specifications

Application		Air, Other non-dangerous fluids					
Nominal size		20-50A			65-150A		
Diaphragm diameter (mm)		ϕ400	ϕ340	ϕ256	ϕ400	ϕ340	ϕ256
Pressure regulating range (kPa)		2-5	5-10	10-25	2-4	10-20	20-50
				25-50	4-6		50-100
				50-100	6-10		100-200
				100-200			
Adjusted reduced pressure		5-80℃					
Valve seat leakage		0.1% or less of rated flow rate			0.5% or less of rated flow rate		
Material	Body	Cast iron					
	Valve	Stainless steel					
	Valve seat, Spindle	Stainless steel					
	Diaphragm	NBR					
Connection		JIS 10K FF flanged					

■Dimensions (mm) and Weights (kg)

Nominal size	L	H		H_1	Weight
		Ha	Hb		
20A	170	565	580	90	27
25A	170	565	580	90	28
32A	180	585	600	100	28
40A	180	585	600	100	29
50A	180	595	610	105	31
65A	215	700	715	125	39
80A	260	715	730	130	48
100A	300	785	800	160	64
125A	360	840	855	190	88
150A	382	895	910	220	123

* Dimension H will be different depends on diaphragm diameter. (Ha: ϕ256 Hb: ϕ340, ϕ400)
* The value of product weights are when diaphragm diameter is ϕ256. Please add 5 kg for ϕ340, and 9 kg for ϕ400.

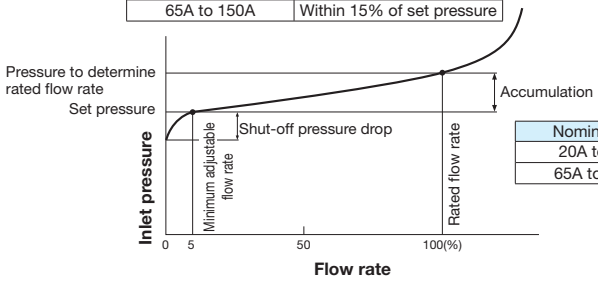


Sectional drawing of valve part for nominal size 65A to 150A.

Structure will be different depends on nominal size and diaphragm diameter.

■ GD-4R Flow Characteristic Chart

Nominal size	Shut-off pressure drop
20A to 50A	Within 10% of set pressure
65A to 150A	Within 15% of set pressure



Nominal size	Accumulation
20A to 50A	Within 25% of set pressure
65A to 150A	Within 30% of set pressure

■ GD-4R Nominal Size Selection Chart (For Air)

