GD-26G,27G

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		



GD-26G



GD-27G

■Features

1. Corrosion-resistant materials are used for wetted parts.
2. Reduced noise.
3. Pressure balance structure can keep the reduced pressure at a constant level without being affected by inlet pressure.
4. Maintenance and inspection can be conducted easily by disassembling simply from the upper side.
5. Compact and lightweight, easy to handle on piping.

■Specifications

Model		GD-26G	GD-27G
Application		Air, Other non-dangerous fluids *	
Inlet pressure		1.0 MPa or less	
Reduced pressure		(A) 0.05-0.35 MPa (B) 0.3-0.7 MPa	
Fluid temperature		5-90°C	
Minimum differential pressure		0.05 MPa	
Maximum pressure reduction ratio		10:1	
Material	Body	Bronze	
	Valve seat	Bronze	
	Valve disc	EPDM	
	Diaphragm	EPDM	
Connection		JIS Rc screwed	JIS 10K FF flanged

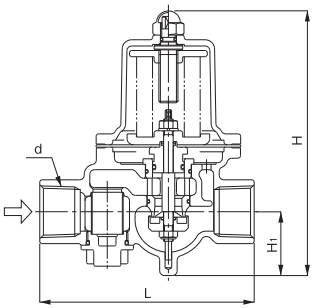
* Please contact us when using for gas containing oil.

· A strainer (40 mesh) is incorporated in 15A to 50A.
· 65A to 100A do not include strainer.
· Pressure gauge connection port is JIS Rc 1/8.



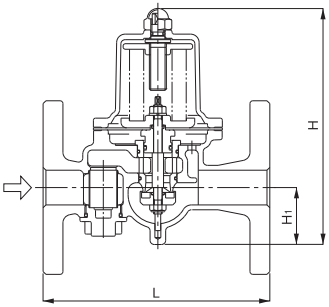
■Dimensions (mm) and Weights (kg)

· GD-26G

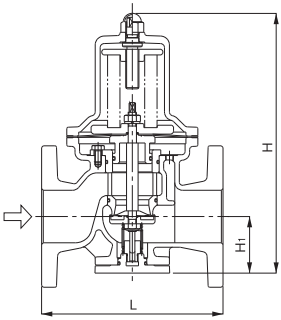


Nominal size	d	L	H	H_1	Weight
15A	Rc 1/2	115	159.5	37.5	1.6
20A	Rc 3/4	120	159.5	38.5	1.7
25A	Rc 1	135	170	41	2.1
32A	Rc 1-1/4	180	224	57	4.0
40A	Rc 1-1/2	180	224	57	4.4
50A	Rc 2	200	239.5	61	6.5

· GD-27G



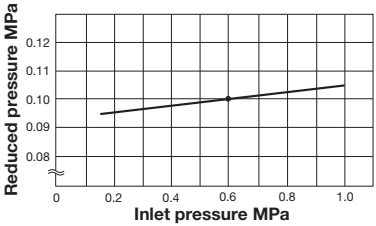
25A-50A



65A-100A

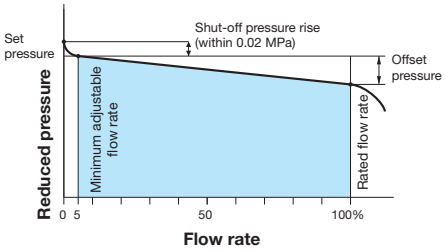
Nominal size	L	H	H_1	Weight
25A	160	170	41	5.1
32A	200	224	57	7.5
40A	200	224	57	7.7
50A	220	239.5	61	10.9
65A	220	329	77	20.0
80A	230	345	82	22.0
100A	270	412	94	33.0

Pressure Characteristic Chart



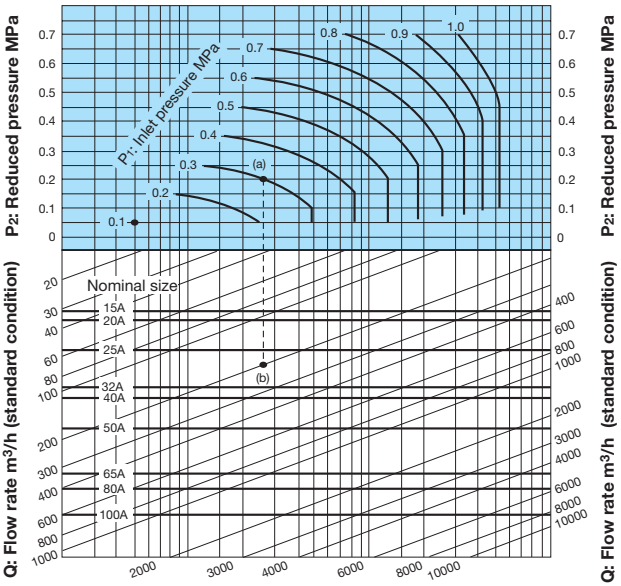
This chart shows variation in reduced pressure when the inlet pressure of 0.6 MPa is changed between 0.15 MPa and 1.0 MPa while the reduced pressure is set at 0.1 MPa.

Flow Characteristic Chart



Nominal size	Pressure range	Offset pressure
15-100A	(A) 0.05-0.35 MPa	Within 0.05 MPa
	(B) 0.3-0.7 MPa	Within 0.10 MPa

Nominal Sizes Selection Chart



[Example]
When selecting the nominal size of a pressure reducing valve whose inlet pressure (P_1), reduced pressure (P_2), and flow rate are 0.3 MPa, 0.2 MPa, and 200 m^3/h (standard condition), respectively, first find intersection point (a) of the inlet pressure (P_1) of 0.3 MPa and the reduced pressure (P_2) of 0.2 MPa. Trace down vertically from this intersection point to find intersection point (b) with the flow rate of 200 m^3/h (standard condition). Since intersection point (b) lies between nominal sizes 25A and 32A, select the larger one, 32A.
* Set the safety factor at 80 to 90%.