

GD-26S 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	Nylon		



JWWA approval
(GD-26S-NE, GD-27S-NE)



GD-26S · 26S-NE · 28S



GD-27S · 27S-NE · 29S

■ Features

1. Wetted parts are made of corrosion-resistant material to prevent rusty water.
2. Reduced noise.
3. Pressure balance structure can keep the reduced pressure at a constant level without being affected by inlet pressure.
4. Closed structure keeps fluid inside even if the diaphragm is damaged or broken.
5. Maintenance and inspection can be conducted easily by disassembling simply from the upper side.
6. Compact and lightweight design makes piping works easy.

■ Specifications

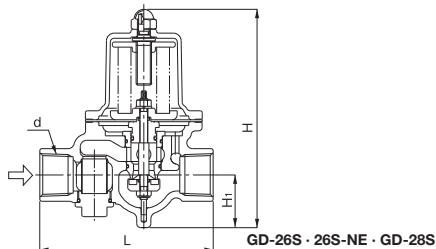
Model	GD-26S	GD-26S-NE	GD-27S	GD-27S-NE	GD-28S	GD-29S
Application	Cold and hot water					
Inlet pressure	1.0 MPa or less				1.6 MPa or less	
Reduced pressure			(A) 0.05-0.35 MPa (B) 0.3-0.7 MPa			
Minimum differential pressure	0.05 MPa					
Maximum pressure reduction ratio	10:1					
Application temperature	5-90°C					
Material	Body					
	Cast stainless steel					
	Valve seat					
	Cast stainless steel					
	Valve disc		EPDM		FKM	
	EPDM		FKM		EPDM	
	Diaphragm		EPDM			
Connection	JIS Rc screwed		JIS 10K FF flanged		JIS Rc screwed	JIS 16K FF flanged

- A strainer (40 mesh) is incorporated in 15A to 50A. 65A to 150A do not include strainer.
- Pressure gauge connection port is JIS Rc 1/4.
(Select from ϕ 42- Max 1.0MPa, 0.4MPa, 0.2MPa).
- Available with FKM. (Except GD-26S-NE and GD-27S-NE)



■ Dimensions (mm) and Weights (kg)

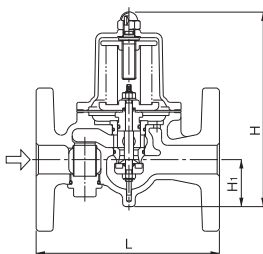
· GD-26S, GD-26S-NE, and GD-28S



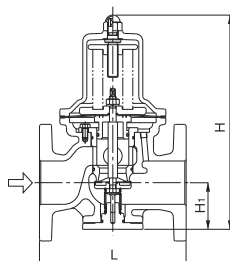
GD-26S · 26S-NE · GD-28S

Nominal size	d	L	H	H ₁	Weight
20A	Rc 3/4	135	170	41	2.2
25A	Rc 1	135	170	41	2.2
32A	Rc 1-1/4	180	224	57	4.7
40A	Rc 1-1/2	180	224	57	4.5
50A	Rc 2	200	239.5	61	6.5

· GD-27S, GD-27S-NE, and GD-29S



GD-27S · 27S-NE · GD-29S
25A-50A



GD-27S · 27S-NE · GD-29S
65A-100A

Nominal size	L	H	H ₁	Weight
20A	160	170	41	3.9
25A	160	170	41	4.8
32A	200	224	57	8.0
40A	200	224	57	8.3
50A	220	239.5	61	10.8
65A	220	329	77	20.6
80A	230(234)	345	82	22.0(25.0)
100A	270(278)	412	94	34.5(36.5)

* The values in parentheses are the dimensions and weights of the GD-29S.

Rated flow rate

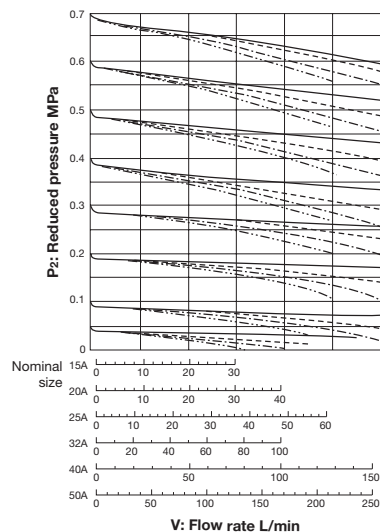
(1) <The differential pressure before and after the valve is 0.15 MPa or more.>

Nominal size	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A
Rated flow rate L/min	30	40	60	100	150	250	300	450	700	1,600	1,800

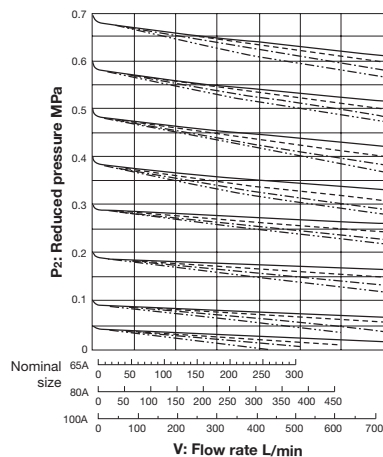
(2) If the differential pressure before and after the valve is less than 0.15 MPa, select a proper nominal size from the appropriate chart shown below.

Flow Rate Chart

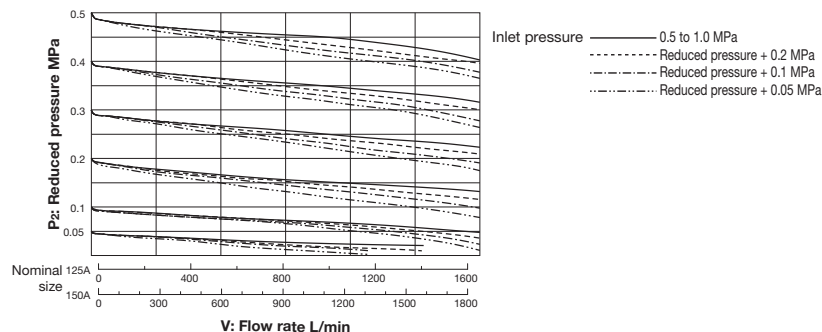
• Nominal size: 15A to 50A



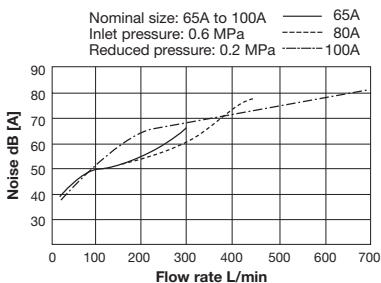
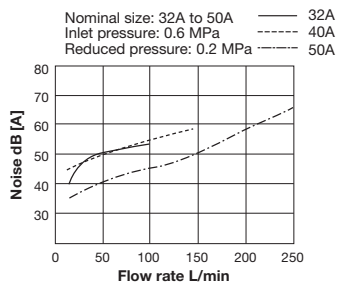
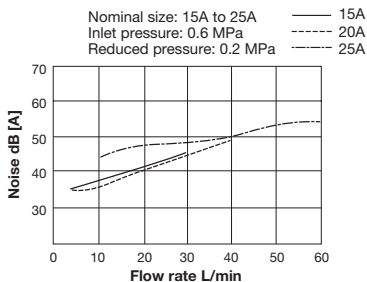
• Nominal size: 65A to 100A



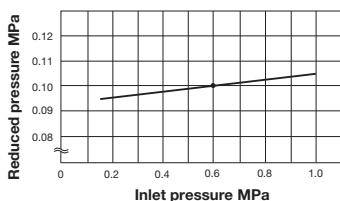
• Nominal size: 125A to 150A



Noise Characteristic Chart

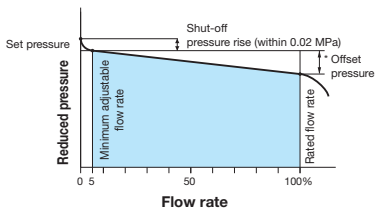


Pressure Characteristic Chart



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



* Offset pressure

Nominal size	Pressure range	Reduced pressure range	Offset pressure
15-100A	A	0.05-0.35 MPa	Within 0.05 MPa
	B	0.30-0.70 MPa	Within 0.10 MPa
125,150A	A	0.05-0.20 MPa	Within 0.07 MPa
	B	0.20-0.50 MPa	Within 0.12 MPa