

GD-26S Series

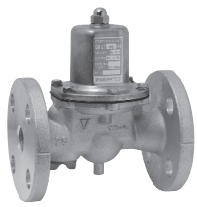


JWWA approval
(GD-26S-NE, GD-27S-NE)

- 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-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 1.0 MPa or less

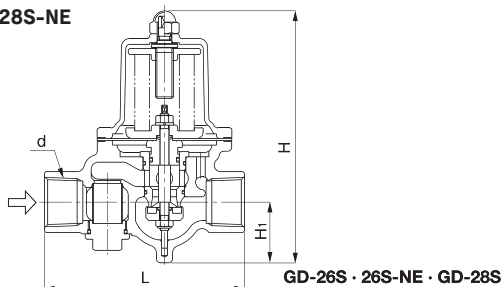
Model	GD-26S	GD-26S-NE	GD-27S	GD-27S-NE	GD-28S	GD-29S	GD-28S-NE	GD-29S-NE	
Application	Cold and hot water								
Inlet pressure	1.0 MPa or less				1.6 MPa or less		2.0 MPa or less		
Reduced pressure	(A) 0.05-0.35 MPa (B) 0.3-0.7 MPa				(A) 0.05-0.35 MPa (B) 0.3-0.7 MPa		(A) 0.2-0.35 MPa (B) 0.3-0.7 MPa		
Minimum differential pressure	0.05 MPa								
Maximum pressure reduction ratio	10:1						7:1		
Application temperature		5-90°C							
Material	Body		Cast stainless steel						
	Valve seat		Cast stainless steel						
	Valve disc		Synthetic rubber						
	Diaphragm		Synthetic rubber						
Connection		JIS Rc screwed		JIS 10K FF flanged		JIS Rc screwed	JIS 16K FF flanged	JIS Rc screwed	JIS 20K 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)
- Depends on the set pressure (refer to the controllable range diagram).



■ Dimensions (mm) and Weights (kg)

- GD-26S, GD-26S-NE, and GD-28S, 28S-NE

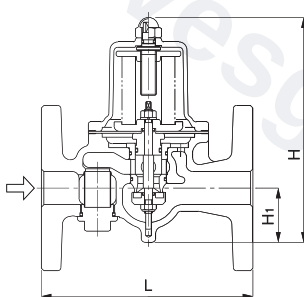
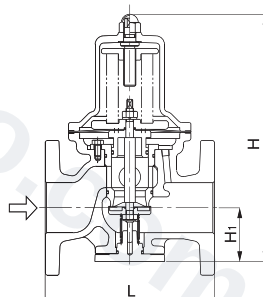


GD-26S · 26S-NE · GD-28S

Nominal size	d	L	H	H ₁	Weight
20A	Rc 3/4	135	170	41	2.2(2.3)
25A	Rc 1	135	170	41	2.2(2.3)
32A	Rc 1-1/4	180	224	57	4.7(4.9)
40A	Rc 1-1/2	180	224	57	4.5(4.7)
50A	Rc 2	200	239.5	61	6.5(6.7)

The values in parentheses are for GD-28S-NE.

- GD-27S, GD-27S-NE, and GD-29S, 29S-NE

GD-27S · 27S-NE · GD-29S
25A-50AGD-27S · 27S-NE · GD-29S
65A-100A

- GD-27S, GD-27S-NE, GD-29S

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)

- GD-29S-NE

Nominal size	L	H	H ₁	Weight
20A	164	170	41	4.4
25A	160	170	41	5.4
32A	204	224	57	8.7
40A	204	224	57	9.0
50A	225	239.5	61	11.8
65A	225	329	77	21.0
80A	237	345	82	25.5
100A	290	412	94	40.5

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

Rated flow rate

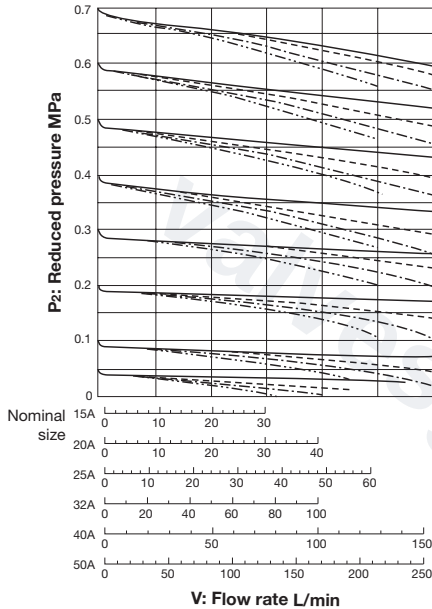
(1) <The differential pressure before and after the valve is 0.15 MPa or more.>

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

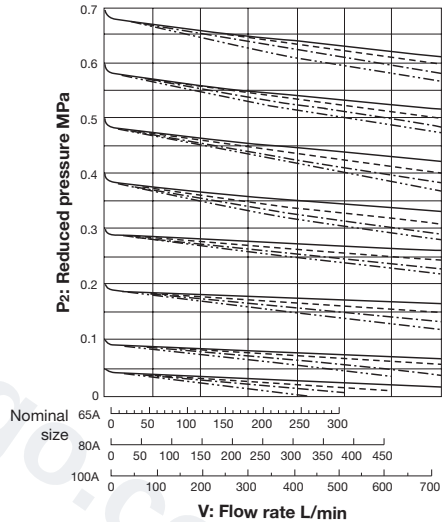
(2) If the differential pressure before and after the valve is less than 0.15 MPa, select a proper nominal size from the appropriate chart shown below.

Flow Rate Chart

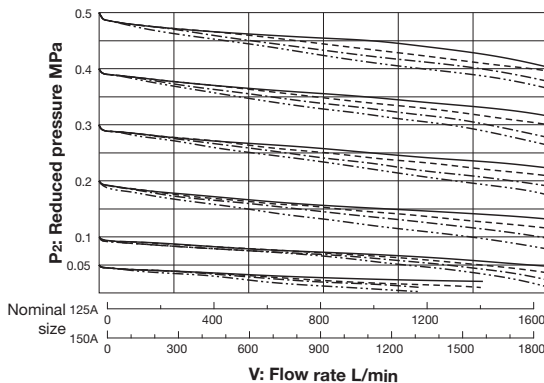
· Nominal size: 15A to 50A



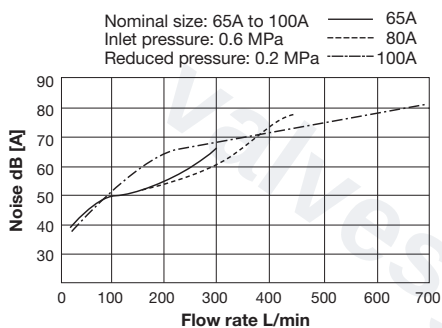
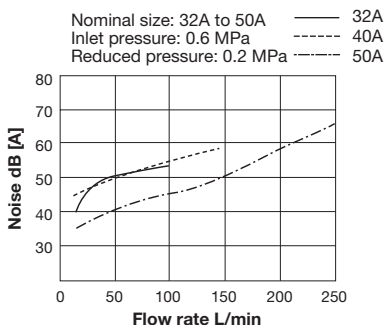
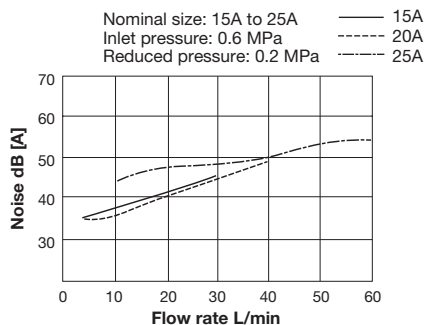
· Nominal size: 65A to 100A



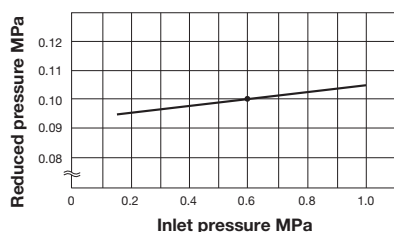
· Nominal size: 125A to 150A



Noise Characteristic Chart

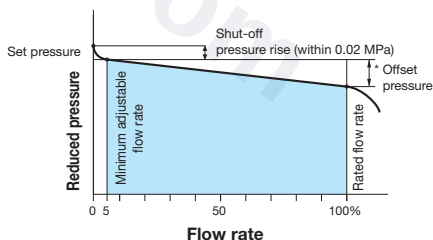


Pressure Characteristic Chart



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