

GD-26-NE 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

JWWA approval
(GD-26-NE, GD-26L-NE,
GD-27-NE, GD-27F-N,
GD-28-NE, GD-29-NE)



GD-26-NE · 28-NE



GD-27-NE · 29-NE

■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 the upper side only.
6. Compact and lightweight design makes piping works easy.

■Specifications

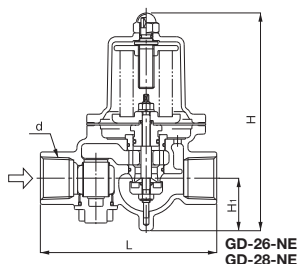
Model	GD-26-NE	GD-27-NE	GD-27-N	GD-27F-N	GD-28-NE	GD-29-NE
Nominal size	15A-50A	25A-100A	125A-150A		15A-50A	25A-100A
Application	Cold and hot water					
Inlet pressure	1.0 MPa or less				1.6 MPa or less	
Reduced pressure	(A)0.05-0.35 MPa (B)0.3-0.7 MPa		(A)0.05-0.2 MPa (B)0.2-0.5 MPa		(A)0.05-0.35 MPa (B)0.3-0.7 MPa	
Minimum differential pressure	0.05 MPa					
Maximum pressure reduction ratio	10:1					
Maximum temperature	90°C		80°C		90°C	
Material	Body	Cast bronze (NPb-treated)				
	Valve seat	Cast bronze (NPb-treated)				
	Valve disc	FKM	NBR	FKM		
	Diaphragm	EPDM	NBR	FKM	EPDM	
Connection	JIS Rc screwed	JIS 10K FF flanged	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 1/8 (for 40 φ, 0.5MPa, 1.0MPa).
- Available with pipe end core. (GD-26L-NE, maximum temperature: 40°C)
- Avoid use of 125A and 150A under differential pressure of more than 0.8 MPa.
- Available with stainless steel wetted parts (GD-26-NED, GD-27-NED).



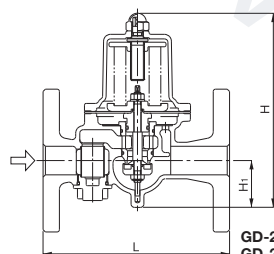
■ Dimensions (mm) and Weights (kg)

• GD-26-NE and GD-28-NE

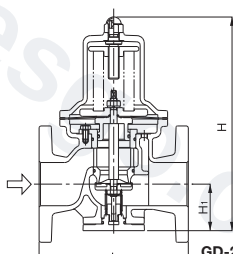


Nominal size	d	L	H	H ₁	Weight
15A	Rc 1/2	115	159.5	37.5	1.6
20A	Rc 3/4	120	159.5	38.5	1.7
25A	Rc 1	135	170	41	2.1
32A	Rc 1-1/4	180	224	57	4.0
40A	Rc 1-1/2	180	224	57	4.4
50A	Rc 2	200	239.5	61	6.5

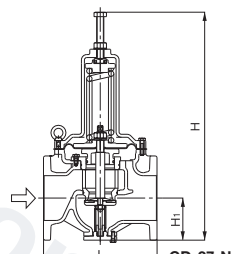
• GD-27-NE and GD-29-NE



GD-27-NE
GD-29-NE
25A-50A



GD-27-NE
GD-29-NE
65A-100A



GD-27-N
125A-150A

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(234)	345	82	22.0(24.0)
100A	270(278)	412	94	33.0(36.5)
125A	360	771	148	90.0
150A	380	771	148	97.0

* The above values in parentheses are the dimension and weights of the GD-29-NE.

* The above values of 125A and 150A are only for the GD-27-N.

Rated flow rate

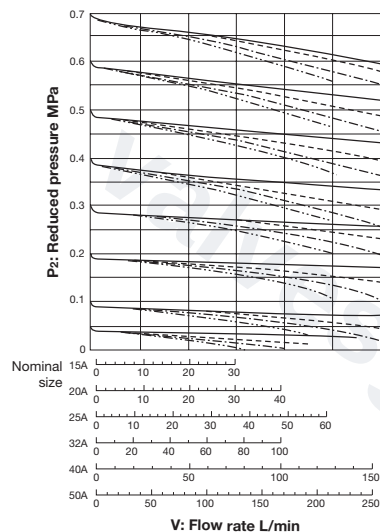
(1) <The differential pressure before and after the valve is 0.15 MPa or more.>

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

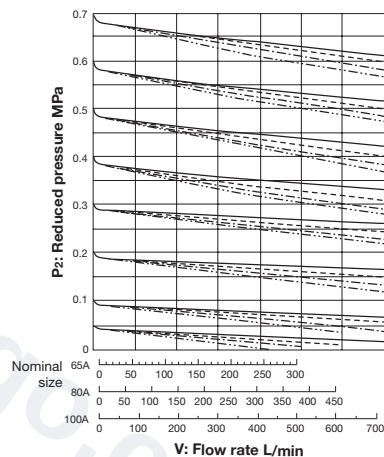
(2) If the differential pressure before and after the valve is less than 0.15 MPa, select a proper nominal size from the appropriate chart shown below.

Flow Rate Chart

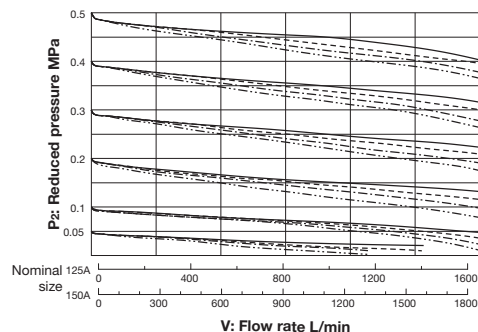
• Nominal size: 15A to 50A



• Nominal size: 65A to 100A

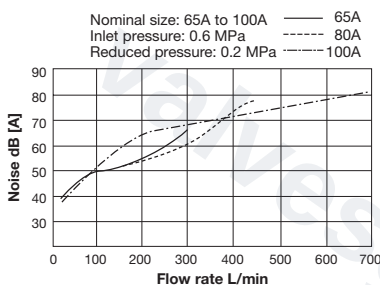
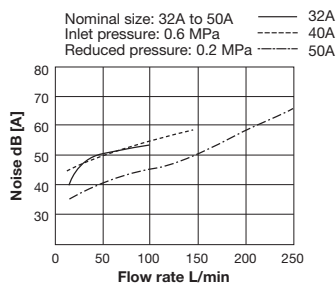
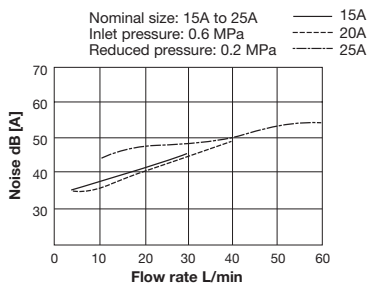


• Nominal size: 125A to 150A

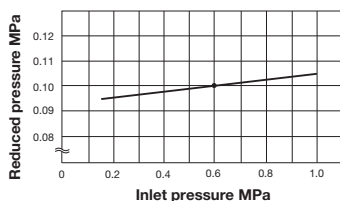


Inlet pressure ——— 1.0 to 1.6 MPa
 - - - - - Reduced pressure + 0.2 MPa
 ······· Reduced pressure + 0.1 MPa
 - · - · - Reduced pressure + 0.05 MPa

Noise Characteristic Chart

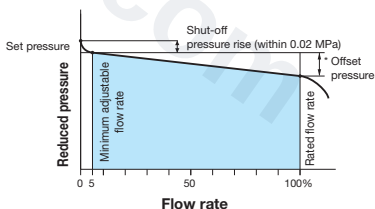


Pressure Characteristic Chart



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