

RD-43N Type Pressure Reducing Valve (for Water or Hot Water)

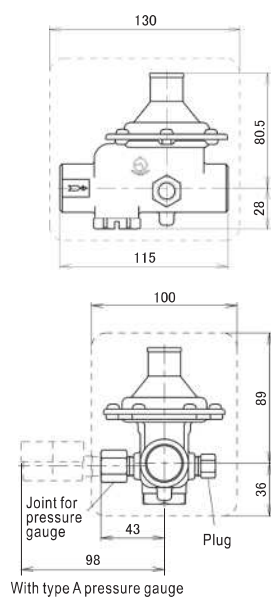
for (One-Room Apartment), etc. (Low noise type)

RD-43N Type is a pressure reducing valve for separate house water supply. It is ideal for small or medium capacity water/hot water supply system in one-room apartment etc.

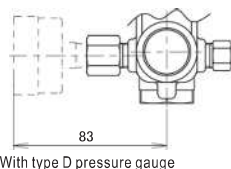
For water supply in common apartments or large capacity water supply, use RD-44N or 47N Type.



CONSTRUCTION



In the case of valve with type D pressure gauge



Mass
Size 15mm:0.9kg
Size 20mm:1.0kg

FEATURES

- Chlorine water resistant rubber for permanent reliability.
- Hygiene structure allows no "dead water".
- Reliable performance at low or high differential pressure conditions.
- Reliable installation, not necessary to disassemble pressure reducing valve.
- Allows water pressure test with valves installed.
- New "test gag" for easy testing.

SPECIFICATIONS

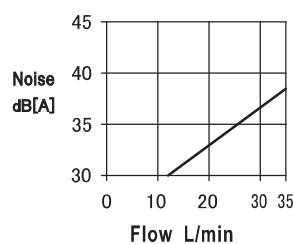
Model name	RD-43NL	RD-43NM	RD-43NH
Code name	RD43N-FLL1	RD43N-FML2	RD43N-FHL3
Size	15・20(1/2"・3/4")		
Applicable fluid	Water & hot water		
Fluid temperature	5~90°C		
Applicable primary pressure	Max. 1.0MPa		
Adjustable secondary pressure	0.05~0.12MPa (Set at 0.08MPa)	0.11~0.23MPa (Set at 0.20MPa)	0.20~0.30MPa (Set at 0.20, 0.25MPa)
Maximum reducing rate	10:1		
Minimum pressure differential across the disc	0.02MPa		
Rated flow	Size 15mm:30 L/min, Size 20mm:35 L/min (Pressure differential 0.1MPa and more)		
End connection	Screwed JIS Rc1/2" or Rc3/4"		
Materials	Body(Cast bronze), Diaphragm & disc(Synthetic rubber)		
Valve body pressure test	Hydraulic 1.75MPa ^{*1}		
Installation	In vertical and horizontal pipe line		
Accessory	Foam polyethylene case for heat insulation, Test gag(For water pressure test) ^{*1} , Fitting for pressure gauge (It is already installed in the body for secondary side.)		
Strainer	60Mesh		

*1. Use test gag within 1.75MPa at water pressure test.

*2. Pressure gauge is optional item.

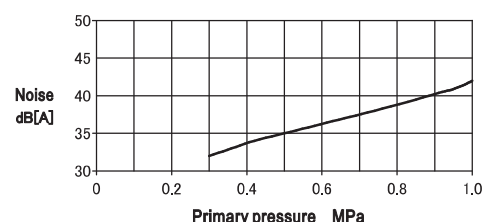
NOISE CHARACTERISTICS

Noise characteristics when flow changes



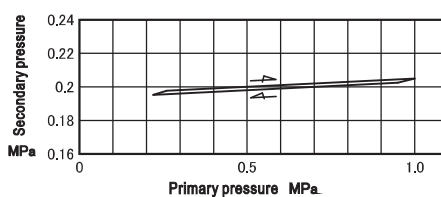
Primary pressure 0.6MPa
Secondary set pressure 0.2MPa
Background noise 30dB(A)
Microphone distance 15cm

Noise characteristics when primary pressure changes



Secondary set pressure 0.2MPa
Flow 30 L/min
Microphone distance 15cm
Background noise 30dB(A)

PRESSURE CHARACTERISTICS



This figure shows the change of the secondary pressure when the primary pressure is 0.5MPa, secondary set pressure is 0.2MPa, and the primary pressure changes from 0.5~1MPa to 0.22~0.5MPa.

FLOW CHARACTERISTICS

