

RoHS Compliance **JP.PAT.**

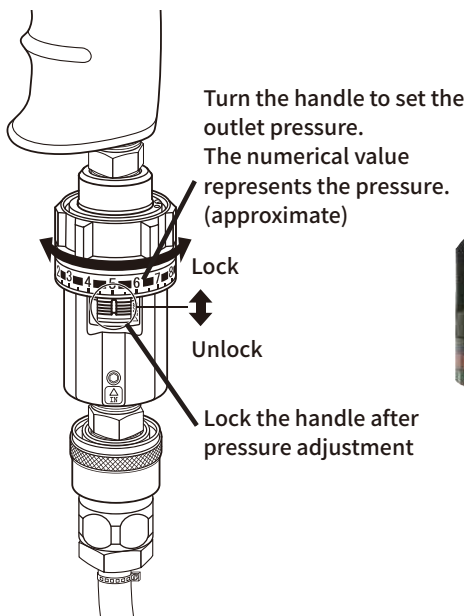
BN-3LK Series

Hand Pressure

Reducing Valve

Airline Regulator

The hand decompression valve connects directly to the air tool, adjusts to the pressure according to the application, and manages the output of the air tool.



「Actual Size」

Application

3 Types depending on inlet pressure

- $\leq 1.0\text{MPa}$ Normal pressure → Normal /Low pressure

 - Pressure adjustment of spray gun when painting
 - Air driver torque control
- $\leq 1.5\text{MPa}$ Medium pressure → Normal pressure

 - Pressure adjustment of impact wrench
- $\leq 2.5\text{MPa}$ High pressure → Normal pressure

 - Pressure adjustment of nailing machine

Characteristic

Lightweight and compact

Compact design with no protrusion on the handle. The body is made of aluminum and is very lightweight.

Easy and quick pressure adjustment

The handle is light due to its unique structure, and the pressure can be adjusted within one rotation, so the pressure can be changed quickly.

No pressure gauge required

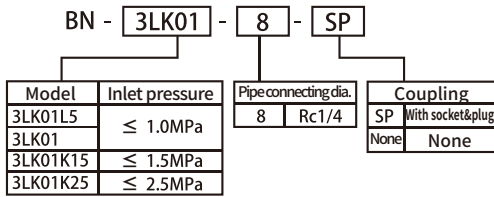
The scale of the handle represents the outlet pressure (approximate), and the outlet side pressure fluctuation is small for the input side pressure fluctuation.

Quick release the outlet pressure

It is a full-scale pressure reducing valve equipped with a relief mechanism. You can easily release the pressure on the outlet side by returning the handle.



Model name



Standards Table

Model	Tube connection rod diameter	Use pressure MPa	Set pressure range MPa	Pressure Resistant MPa	Ambient Temperature °C	Mass g
BN-3LK01L5-8(-SP) <small>For Low Pressure</small>	Rc1/4	0~1.0	0.1~0.5	3.75	0~60 (no freezing)	No coupling : 80 With coupling : 160
BN-3LK01-8(-SP)						
BN-3LK01K15-8(-SP)		0~1.5	0.3~0.9			
BN-3LK01K25-8(-SP)		0~2.5				

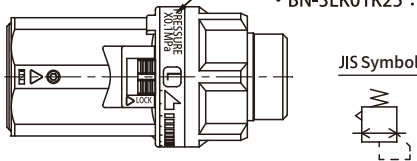
* The flow rate decreases remarkably at pressures lower than the set pressure range.
* In the case of coupling (SP), the OUT side is a socket and the IN side is a plug.

Dimension

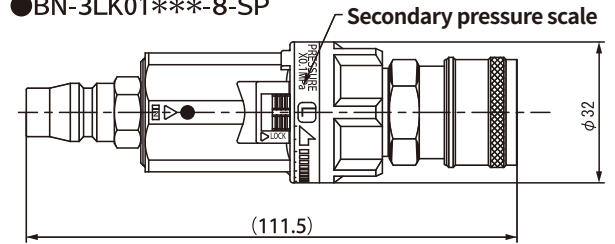
- BN-3LK01L5 [For low pressure]
- BN-3LK01
- BN-3LK01K15
- BN-3LK01K25

Color of scale seal

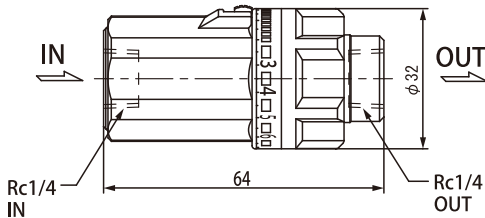
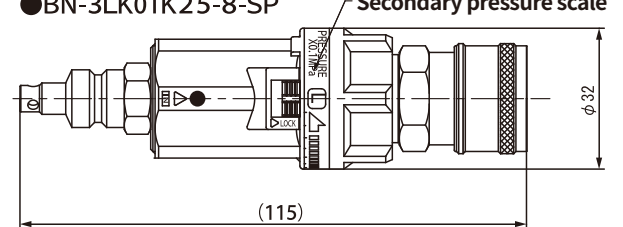
- BN-3LK01L5 : Blue
- BN-3LK01 : White
- BN-3LK01K15 : Yellow
- BN-3LK01K25 : Red



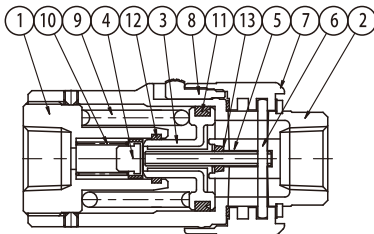
●BN-3LK01***-8-SP



●BN-3LK01K25-8-SP

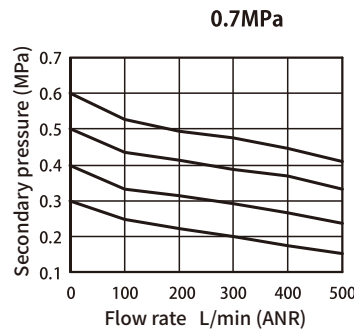


Structure



No.	Part name	Material	No.	Part name	Material
1	#1 body	Aluminum alloys	8	Handle lock	Resin (POM)
2	#2 body	Aluminum DieCasting	9	Adj. spring	Plano wire
3	Piston	Resin (POM)	10	Valve spring	Stainless copper wire
4	Valve	Brass+Nitrile Rubber	11	Piston packing	Nitrile Rubber
5	Push rod	Brass	12	Body packing	Nitrile Rubber
6	Parallel pins	Carbon copper	13	Rod packing	Nitrile Rubber
7	Handle	Resin (POM)			

Characteristics



Related Products



- In order to use it correctly, be sure to read the instruction manual before use.
- Be sure to check the pressure range used.

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