

**INSTRUCTION MANUAL**  
**FOR**  
**REGULATOR**  
**MODEL NO. 2215**

Please read this operation manual carefully before using this product, particularly the section describing safety.

Retain this operation manual with the product for further consultation whenever necessary.



**CKD Corporation**

## For Safety Use

To use this product safely, basic knowledge of pneumatic equipment, including materials, piping, electrical system and mechanism, is required (to the level pursuant to JIS B 8370 Pneumatic System Rules).

We do not bear any responsibility for accidents caused by any person without such knowledge or arising from improper operation.

Our customers use this product for a very wide range of applications, and we cannot keep track of all of them. Depending on operating conditions, the product may fail to operate to maximum performance, or cause an accident. Thus, before placing an order, examine whether the product meets your application, requirements, and how to use it.

This product incorporates many functions and mechanisms to ensure safety. However, improper operation could result in an accident. To prevent such accidents, read this instruction manual carefully for proper operation.

### CAUTION

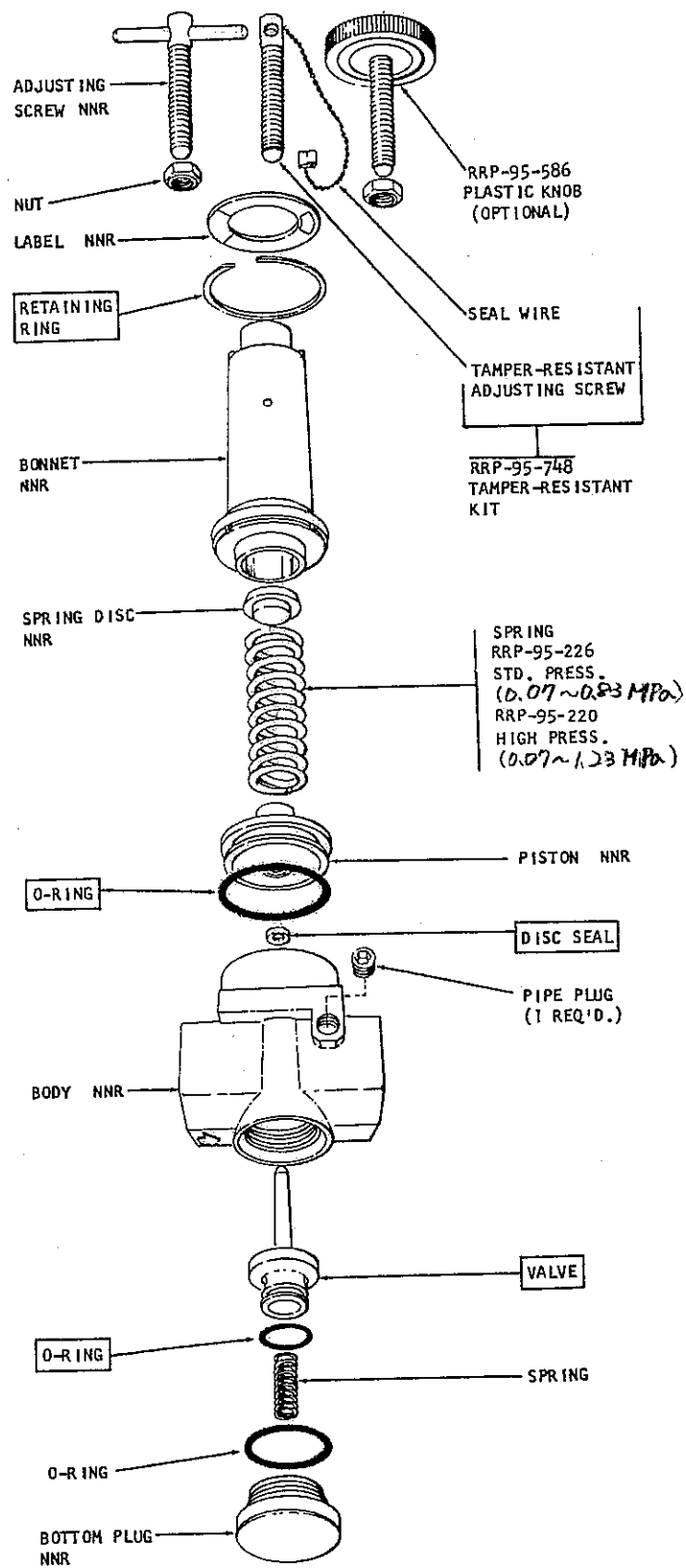
Except as otherwise specified by the manufacturer, this product is specifically designed for compressed air service, and use with any other fluid (liquid or gas) is a misapplication. For example, use with or injection of certain hazardous liquids or gases in the system (such as alcohol or liquid petroleum gas) could be harmful to the unit or result in a combustible condition or hazardous external leakage. Manufacturer's warranties are void in the event of misapplication, and manufacturer assumes no responsibility for any resulting loss.

### INSTALLATION

1. Refer to above "CAUTION."
2. Maximum inlet pressure is 2.06 MPa and 65°C.
3. Install ahead of and as close as possible to where regulated air is needed.
4. Install the unit with the air flowing through the body in the direction indicated by the arrow.
5. Install the same pipe size unit as the pipe size in use. Avoid using fittings, couplings, etc., that restrict the airflow, unless maximum flow is not needed.
6. Regulator may be installed so that adjusting handle is in any position. Attach gauge to one 1/4" gauge port and plug the other 1/4" gauge port.
7. Turning the adjusting screw in raises the regulated pressure, and turning it out lowers the regulated pressure.
8. To install an RRP-95-748 tamper-proof kit -- bonnet will require a 3/32" drilled hole in boss.

### MAINTENANCE

1. Occasionally remove bottom plug and clean plug, body, and valve.
2. TO DISASSEMBLE: Shut off air to regulator and vent air line on both sides of regulator. Turn adjusting screw out to relieve compression on spring. Remove cover, retaining ring, bonnet, spring disc, and piston. By removing bottom plug and spring, the valve can be removed from the bottom of the regulator.
3. TO ASSEMBLE: Relubricate all seals and sealing surfaces with Dow Corning 55M Silicone Grease. Replace valve, bottom spring, and bottom plug. Insert piston into body, place spring (RRP-95-226), spring disc, and bonnet in position, and install retaining ring and cover. **RETAINING RING MUST BE FULLY SEATED IN GROOVE.**
4. IF UNIT WILL NOT REGULATE TO PRESSURE NEEDED, OR IF PRESSURE DROP BECOMES EXCESSIVE: Remove bottom plug, spring, and valve. Clean and check o-rings, valve, and valve seat for wear or damage. Relubricate o-rings with Dow Corning 55M Silicone Grease. Replace worn or damaged parts.



NNR = NOT NORMALLY REPLACED