

Discontinue

CSM-0020-A

SM-A2000

INSTRUCTION MANUAL

FOR

REGULATOR

MODEL NO. A2000

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

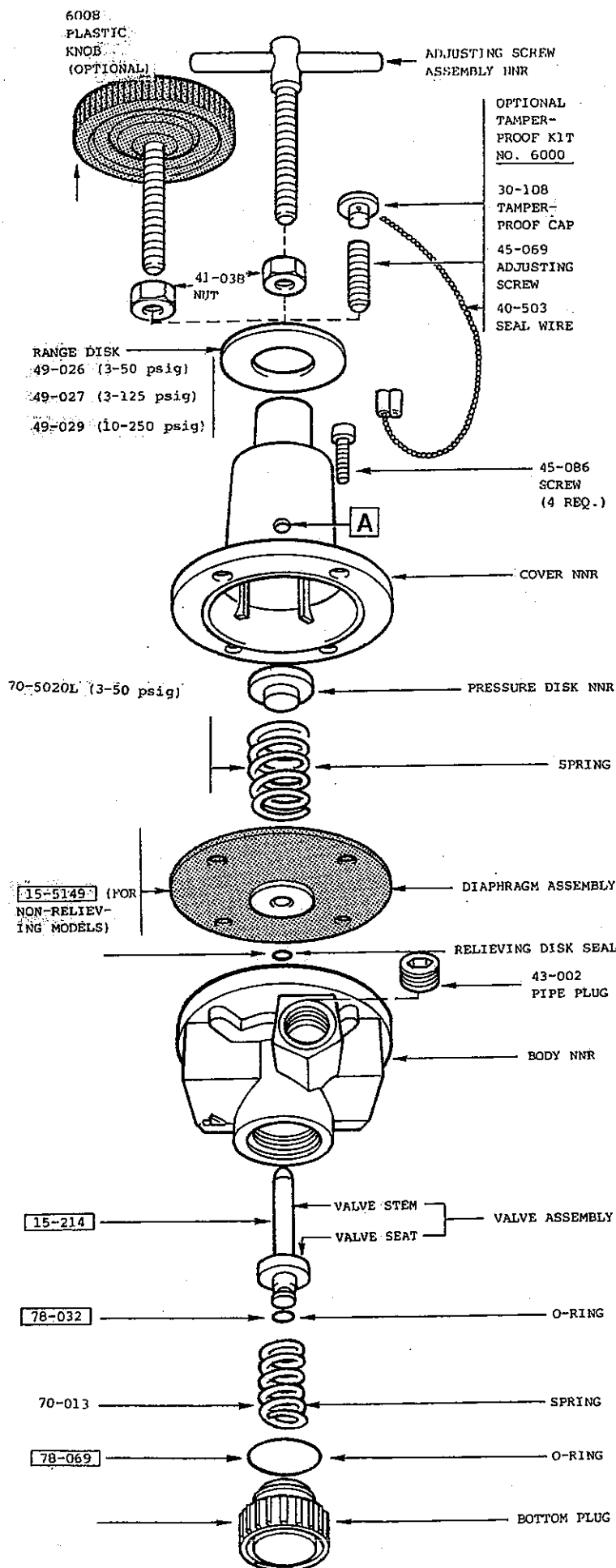
For Safety Use

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 operation manual carefully for proper operation.



INSTALLATION

1. Maximum inlet pressure is 300 psig at 200 °F.
2. Install as close as possible to where regulated air is needed.
3. Install the unit with the air flowing through the body in the direction indicated by the arrow.
4. Install the right size unit for the pipe line in use. Avoid using fittings, couplings, etc., that restrict air flow, unless maximum flow is not needed.
5. Regulator may be installed so that adjusting handle is in any position. Attach gauge to one 1/4-inch female gauge port and plug the other 1/4-inch female gauge port, or use it as a regulated outlet port.
6. Turning the adjusting screw in raises the regulated pressure setting and turning it out lowers the setting.
7. Panel mount regulators require a 5/8-inch diameter hole and are mountable on panels 1/8-inch to 1/2-inch thick.

MAINTENANCE

1. Occasionally remove bottom plug 16-104 and clean plug, body and valve seat.
2. TO DISASSEMBLE - shut off air to regulator, and vent the air line on both sides of the regulator. Turn adjusting screw out to relieve compression on spring. Remove screws, cover, spring and spring disk. Diaphragm assembly can now be removed. By removing bottom plug and spring, the valve assembly can be removed from the bottom of the regulator.

3. IF UNIT WILL NOT REGULATE TO PRESSURE NEEDED OR IF PRESSURE DROP BECOMES EXCESSIVE - remove bottom plug, spring and valve assembly. Clean and check o-ring, valve stem and valve seat for wear or damage. Replace worn or damaged parts. Install Repair Kit No. 95-131 for self-relieving models and 95-132 for non-relieving models for complete overhaul.
4. IF UNIT LEAKS AT RELIEF PORT A - the cause may be the valve assembly 15-214, o-ring 78-032, disk seal 79-018, or defective diaphragm assembly 15-213. Install proper repair kit.
5. WHEN REPLACING DIAPHRAGM ASSEMBLY - 15-213 diaphragm assembly includes relieving disk seal installed. Seal not required on non-relieving models.

ASSEMBLIES:

PARTS THAT CAN BE FURNISHED ASSEMBLED BY THE FACTORY

FOR VALVE ORDER ASSEMBLY 35A-2000 WHICH INCLUDES PART NOS. 15-214 AND 78-032.