

# Airmatic

## HIGH PRESSURE REGULATORS

MODEL: HPR (Relieving)  
HPR-NR (Non-Relieving)

### TEMPERATURE AND PRESSURE RATING

MODEL	MAX. PRESSURE	MAX. TEMP
HPR	12 Kg/cm <sup>2</sup> g	70 <sup>0</sup> C
HPRNR	12 Kg/cm <sup>2</sup> g	70 <sup>0</sup> C

### INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS

#### INSTALLATION

Before installing regulator blow-out pipe line to remove scale and other foreign matter. Regulator threads are DRYSEAL, not normally requiring pipe compound, however, if desired, apply sparingly and to male threads only. Install regulator in pipe line so that air will flow from IN to OUT and as near as possible to equipment being supplied. Connections R and L are normally for gauge use but may be used for outlet purposes in certain applications. To insure trouble-free performance a filter should be installed upstream of the regulator.

#### REDUCED PRESSURE ADJUSTMENT

To adjust reduced pressure settings turn adjustment screw tee clockwise to increase the reduced or regulated pressure & counter-clockwise to lower the pressure. With relieving-type regulators which are used for air service, the reduced pressure follows adjustment of the screw, To lock adjustment, simply tighten the lock-nut. With non-relieving regulators adjustment for lower reduced pressure will not be obtained until the reduced pressure system is "bleed-off" or until air flow starts.

#### MAINTENANCE

If the air supply is kept clean, the high pressure regulator should provide long periods of uninterrupted service. Erratic regulator operation or loss of regulation is always due to dirt in the disc area.

#### CLEANING

To clean shut off and depressurize air line and disassemble the regulator, refer to drawing as a guide to disassemble and subsequent reassembly. When disassembling bonnet & diaphragm assembly. Make sure the adjusting screw is totally removed. Clean parts with household soap water and blow out body with compressed air. When reassembling make sure the diaphragm assy fits on disc stem tighten screws diagonally.

Remove bottom plug, spring and disc. clean parts with denatured alcohol, wipe off seat and blow out body with compressed air. Reassemble parts as a unit (see below) and screw into regulator-before tightening bottom plug make sure disc is in center hole in body.

SEE OTHER SIDE FOR REPLACEMENT PARTS LIST.

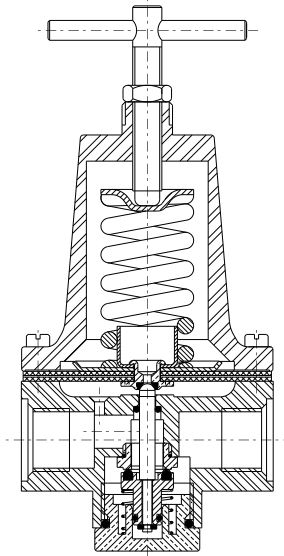
## AIR PROCESSING PRODUCTS

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# MODEL - HPR / HPR-NR REPLACEMENT PARTS ORDER BY SIZE AND KIT NUMBER



CONSISTS OF PART NAME	KIT NAME		SIZE/ KIT No. G 1/4- G1/2
Diaphragm Assy.	Diaph Assy. Kit SS304	Reliving	HPRA-05R
		Non-reliving	HPRA-05NR
	Diaph Assy. Kit Ss316	Reliving	HPRSA-05R
		Non-reliving	HPRSA-05NR
Stem Assy. With 'O' Ring	Stem Assy. Kit	SS304	HPRA-04
		SS316	HPRSA-04
Diaphragm Assy. Stem Assy. Bottom Plug 'O' Ring	Service Kit SS304	Reliving	HPRA-OR
		Non-reliving	HPRA-ONR
	Service Kit Ss316	Reliving	HPRSA-OR
		Non-reliving	HPRSA-ONR

\*STANDARD