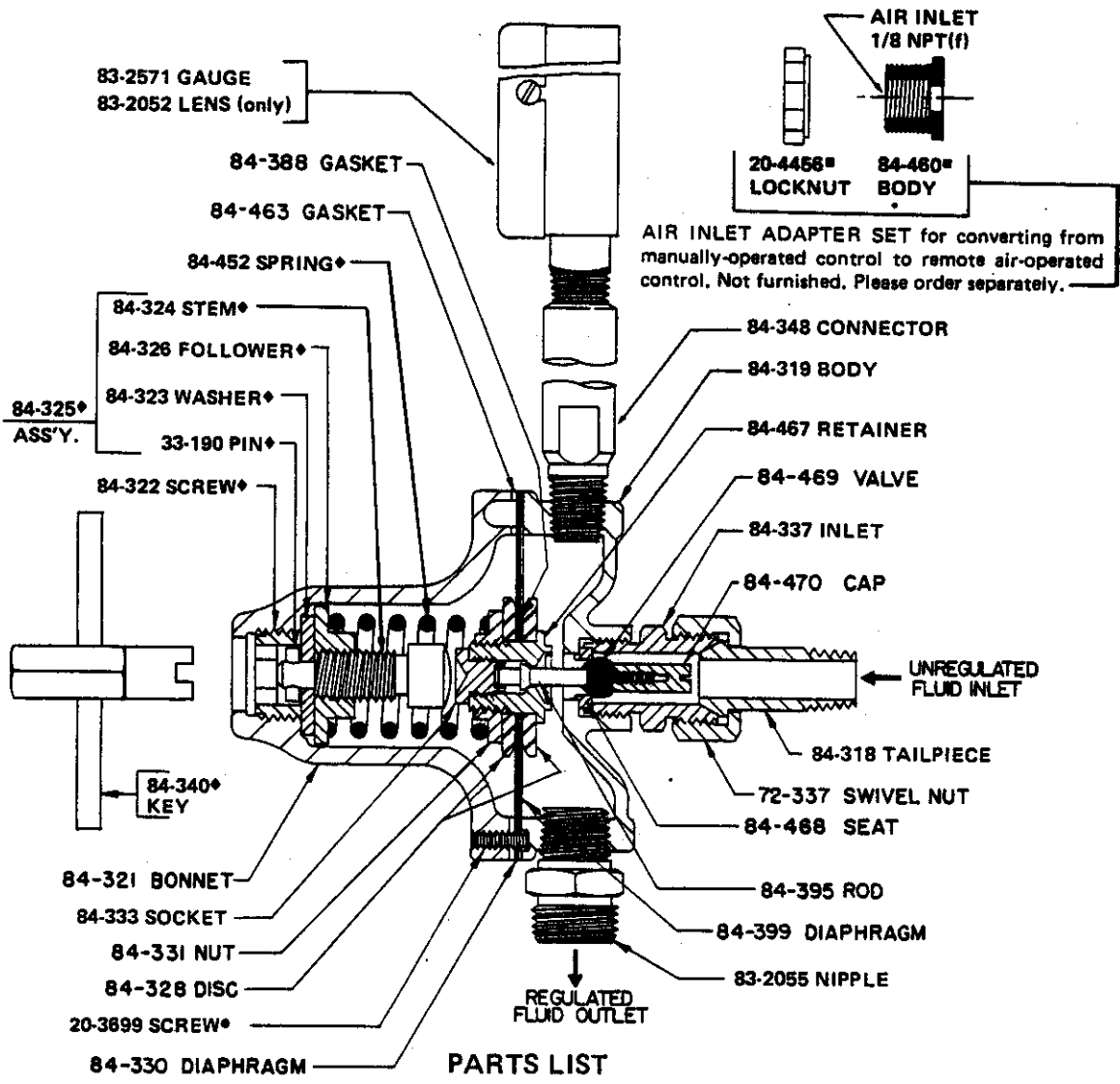


**Binks MODEL 84-409 STAINLESS STEEL FLUID REGULATOR**  
5--100 PSI



**PARTS LIST**

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
20-3699*	SOC. HD. CAP SCREW, 10-24 x 1" long	6	84-330	DIAPHRAGM	1
20-4456*	LOCKNUT	1	84-331	NUT	1
33-190*	PIN, 1/8" x 1/2" long	1	84-333	SOCKET	1
72-337	NUT, SWIVEL	1	84-337	INLET	1
83-2052	GAUGE LENS, Replacement	1	84-340*	KEY	1
83-2055	NIPPLE D.M.	1	84-348	CONNECTOR	1
83-2571	GAUGE, 5--100 PSI	1	84-388	GASKET	1
84-318	TAILPIECE	1	84-395	ROD	1
84-319	BODY	1	84-399	DIAPHRAGM	1
84-321	BONNET	1	84-452*	SPRING	1
84-322*	SCREW	1	84-460*	BODY	1
84-323*	WASHER	1	84-463	GASKET	1
84-324*	STEM	1	84-467	RETAINER	1
84-325*	STEM ASSEMBLY	1	84-468	SEAT	1
84-326*	FOLLOWER	1	84-469	VALVE	1
84-328	DISC	2	84-470	CAP	1

\* Tighten all flange screws securely BEFORE installing regulator.

\* For remote control only. Not furnished. Please order separately.  
\* Remove from regulator when converting from manual to remote control.

**Binks Sames Corporation**  
1-800-99-BINKS

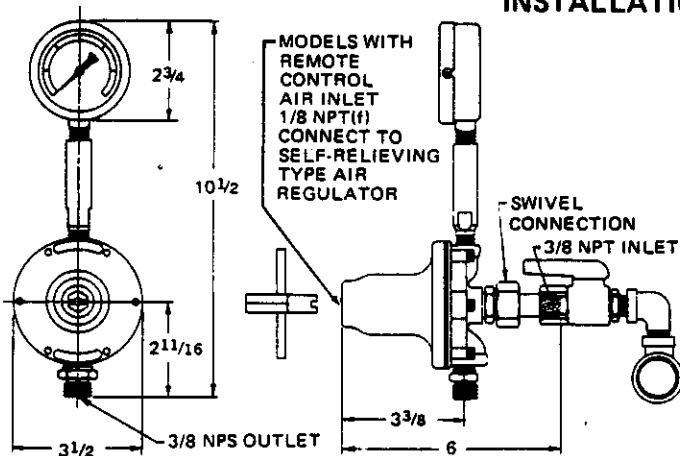


Replaces  
Part Sheet  
1915R-1

Part Sheet  
1915R-2

# Binks MODEL 84-409 STAINLESS STEEL FLUID REGULATOR 5-100 PSI

## INSTALLATION DATA



Installation is simplified by the use of a swivel nut inlet connection (see illustrations). This is standard on all models; it eliminates the cost of a union, and provides a quick and convenient method to easily remove the unit from the line.

**NOTE:** Due to variations in diaphragm stretch, fluid flow may not shut-off when the pressure is backed off to zero. Install an inlet valve if complete shut-off is required.

Regulation Range	5 to 100 PSI	7.0 Kg/CM <sup>2</sup>
Max. Rec. Flow	128 Fl. Oz./Min.	3.78 L/Min.
Max. Inlet Pressure	200 PSI	14.06 Kg/CM <sup>2</sup>

## OPERATING INSTRUCTIONS

**MOUNTING:** Regulator (3/8" N.P.T.(M) Inlet) may be mounted in either a horizontal or vertical position. However, in *all* cases: to operate properly, gauge riser tube *must* be in a vertical position.

**REGULATION:** Use slotted end of key. Clockwise rotation increases pressure; counter-clockwise rotation reduces pressure.

**NOTE:** Fluid should be flowing through regulator when regulating pressure.

**BLOW BACK:** Use hexagon end of key. Turn counter-clockwise and gauge will read inlet pressure (main line pressure).

To shut off, turn key clockwise and gauge will return to normal regulated reading when flow begins.

**CAUTION:** When blowing back to reverse-flush regulator, be sure air pressure *does not* exceed maximum rating of gauge.

**CLIMBING:** When regulated pressure climbs, it normally indicates dirt on the seat; trigger gun rapidly to flush seat. If climbing continues, open regulator to main line to flush. If climbing still persists, replace valve and seat.

**BUZZING:** When in operation, buzzing indicates trapped air within the regulator.

## SERVICE INSTRUCTIONS

**TO REPLACE FLUID VALVE & SEAT:** Remove regulator from line by loosening the swivel nut; always blow back regulator before removing. At inlet, remove (counter-clockwise rotation) slotted cap nut with screw driver, ball valve will slide off rod. Unscrew (counter-clockwise rotation) hexagon inlet retainer; valve seat will be removed with retainer.

Remove valve seat from retainer and replace if worn.

**To Reassemble:** Insert valve seat into retainer; note position of shoulder. Place ball valve on rod, and screw cap nut on rod and tighten. Screw hex retainer on to body and tighten. *Regulator requires no adjustments.*

**TO REPLACE DIAPHRAGM:** Remove regulator from line. At inlet, remove slotted cap nut with screw driver; ball valve will slide off rod.

Remove bonnet by loosening (6) socket head cap screws. Clamp diaphragm assembly in vise, loosen 84-331 Nut and remove diaphragm.

**To Reassemble:** Reverse above procedure.

