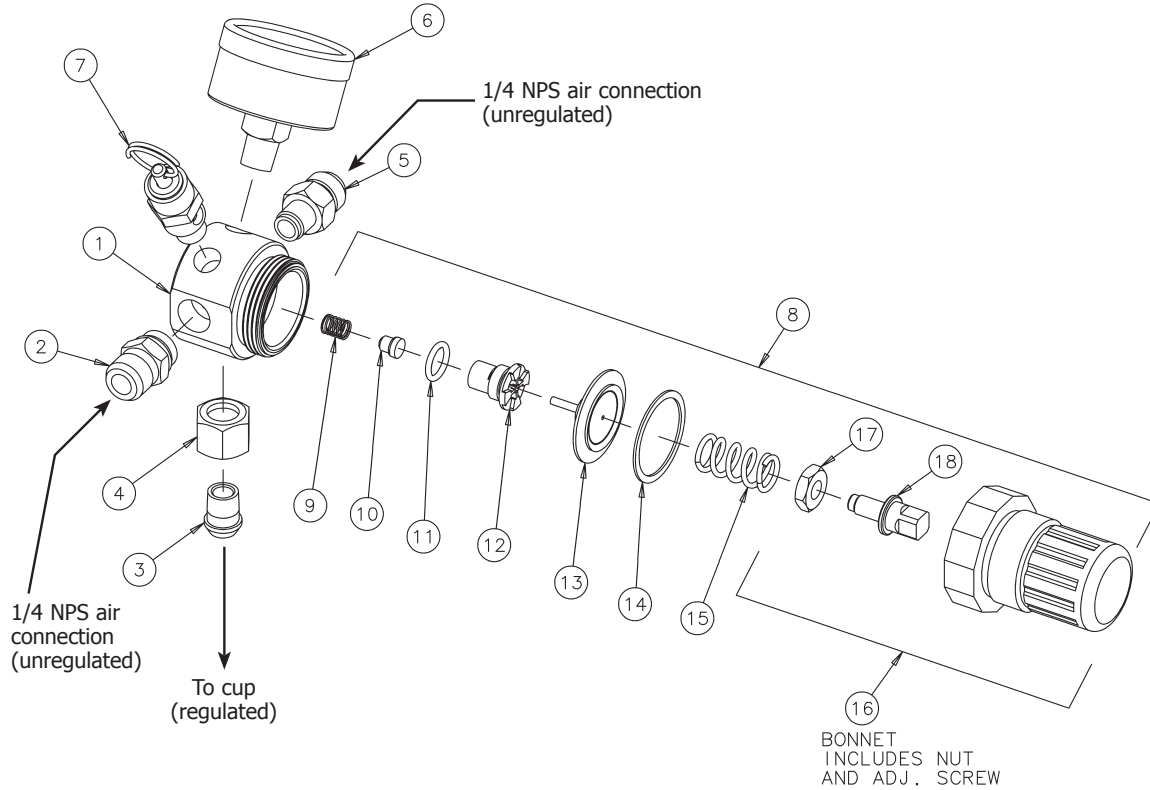


BINKS MODELS 85-448, 85-449 & 85-450 AIR PRESSURE REGULATORS



BINKS MODEL 85-449 (0-10 PSI) AND 85-450 (0-50 PSI) PRESSURE CUP REGULATORS

PARTS LIST

When ordering, please specify Part No.

ITEM NO.	PART NO.	DESCRIPTION	QTY.	ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	85-436	REGULATOR BODY	1	10	— *▲	VALVE.....	1
2	54-308	AIR CONNECTION, 1/4 NPS	1	11	— *▲	O-RING, (VALVE SEAT).....	1
3	72-104	TAIL PIECE	1	12	— *▲	VALVE SEAT	1
4	72-93	SWIVEL NUT, 1/4 NPS	1	13	— *▲	RELIEVING DIAPHRAGM	1
5	71-28	AIR CONNECTION, 1/4 NPS	1	14	— *▲	SLIP RING	1
6	See Chart 1	GAUGE	1	15	— *▲	REGULATING SPRING	1
7	See Chart 1	SAFETY VALVE	1	16	— *▲	BONNET	1
8	See Chart 1	REGULATOR KIT.....	1	17	— *▲	NUT.....	1
9	— *▲	VALVE SPRING	1	18	— *▲	ADJUSTING SCREW.....	1

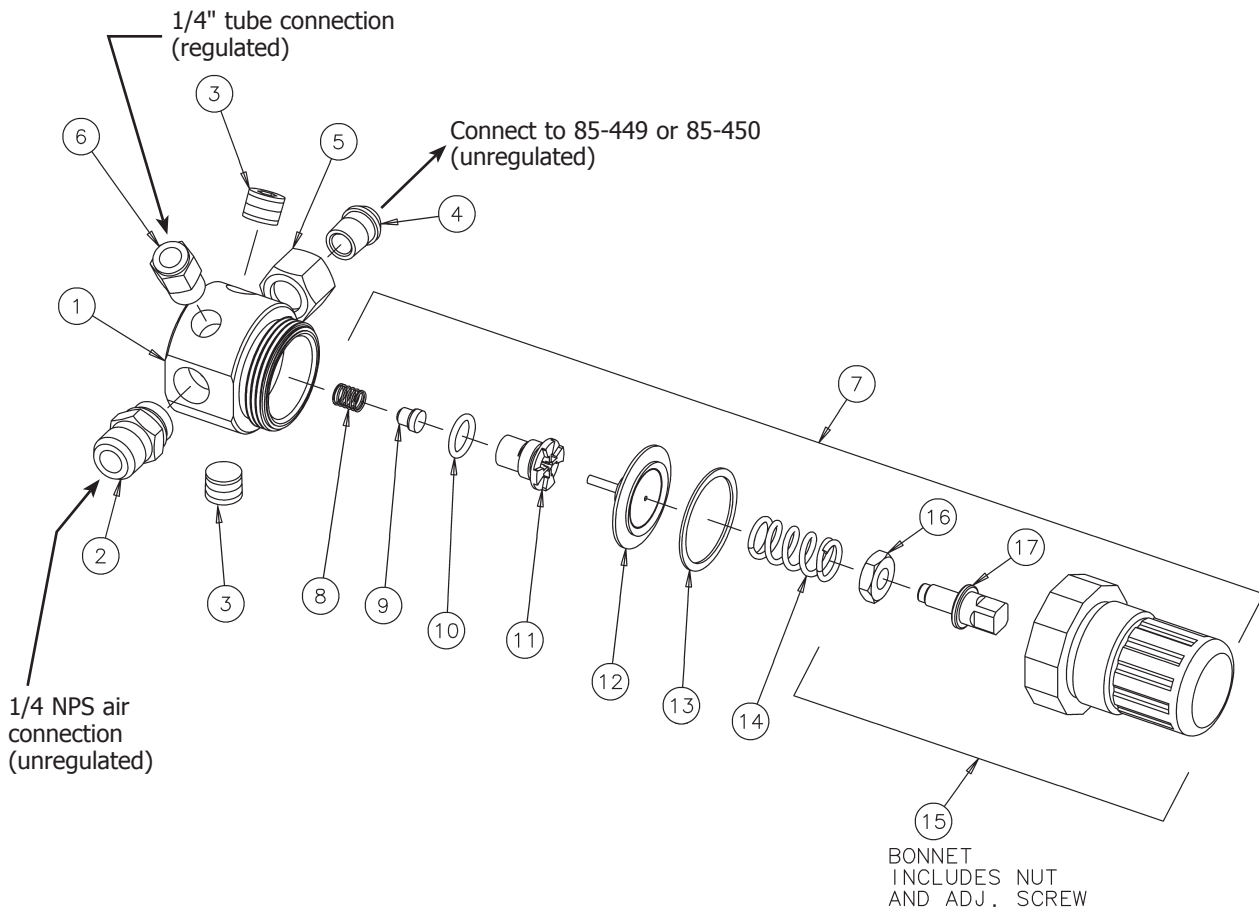
* Not available separately.

▲ Available in Kits 85-437 and 85-438. See Chart 1.

CHART 1

Regulator	Item #6 – Gauge	Item #7 – Safety Valve	Item #8 – Regulator Kit
85-449	59-299 0-15 PSI	TIA-4326 18 PSI	85-437 Low Pressure 0-10 PSI (Red Spring)
85-450	59-369 0-60 PSI	85-243 55 PSI	85-438 High Pressure 0-50 PSI (Green Spring)

BINKS AIR PRESSURE REGULATORS



BINKS MODEL 85-448 PRESSURE REGULATOR FOR ROTARY AGITATOR CONTROL

PARTS LIST

When ordering, please specify Part No.

ITEM NO.	PART NO.	DESCRIPTION	QTY.	ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	85-436	REGULATOR BODY	1	10	— *▲	O-RING, (VALVE SEAT).....	1
2	54-308	AIR CONNECTION, 1/4 NPS	1	11	— *▲	VALVE SEAT	1
3	20-2287-1	PLUG, 1/8 NPT	2	12	— *▲	RELIEVING DIAPHRAGM	1
4	72-104	TAIL PIECE	1	13	— *▲	SLIP RING	1
5	72-93	SWIVEL NUT, 1/4 NPS	1	14	— *▲	REGULATING SPRING	1
6	54-4945	PUSH-LOK FITTING, 1/4 NPS	1	15	— *▲	BONNET	1
7	85-438	REGULATOR KIT, (0-50 PSI).....	1	16	— *▲	NUT.....	1
8	— *▲	VALVE SPRING	1	17	— *▲	ADJUSTING SCREW.....	1
9	— *▲	VALVE.....	1				

* Not available separately.

▲ Available in 85-438 Regulator Kit.

REGULATOR DISASSEMBLY, CLEANING AND REASSEMBLY

DISASSEMBLY

WARNING

Risk of injury from pressurized components. Turn off inlet air pressure and bleed off remaining pressure before disassembly.

1. Turn regulator knob counterclockwise until it stops.
2. Unscrew the bonnet from the regulator body, remove adjusting screw and nut, then the regulating spring, slip ring, and diaphragm. Unscrew the valve seat and o-ring assembly using a screwdriver. Then remove the valve and valve spring.

CLEANING

1. Clean parts using warm water and soap.
2. Inspect all parts.
3. Replace damaged parts.

REASSEMBLY

1. At reassembly, apply a small amount of Gunners Mate lubricant (6-429) to the adjusting screw threads.
2. Torque the valve seat to 4-6 inch-lbs. Torque the bonnet to 50-60 inch-lbs.

REGULATOR OPERATION

OPERATION

Binks models 85-448, 85-449 and 85-450 regulators are flow-thru regulators offering virtually no restriction for spray painting applications.

Efficient, low flow, regulated parts allow for easy control of cup (fluid) pressure and/or rotary agitator speed.

The following conditions must be observed:

1. Do not exceed 100 PSI inlet pressure.
2. When reducing the regulator setting, it is necessary to relieve fluid supply cup of its previously set pressure.

CAUTION

Do not immerse this regulator in solvent or allow solvents to enter any of the regulator openings. When using a gun cleaning cabinet, remove the regulator before cleaning the gun.



PROP 65 WARNING

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PROVIDE THIS INFORMATION TO THE OPERATOR OF THE EQUIPMENT.

FOR FURTHER SAFETY INFORMATION REGARDING BINKS AND DEVILBISS EQUIPMENT, SEE THE GENERAL EQUIPMENT SAFETY BOOKLET (77-5300).

WARRANTY POLICY

Binks products are covered by Carlisle Fluid Technologies one year materials and workmanship limited warranty. The use of any parts or accessories, from a source other than Carlisle Fluid Technologies, will void all warranties. For specific warranty information please contact the closest Carlisle Fluid Technologies location listed below.

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