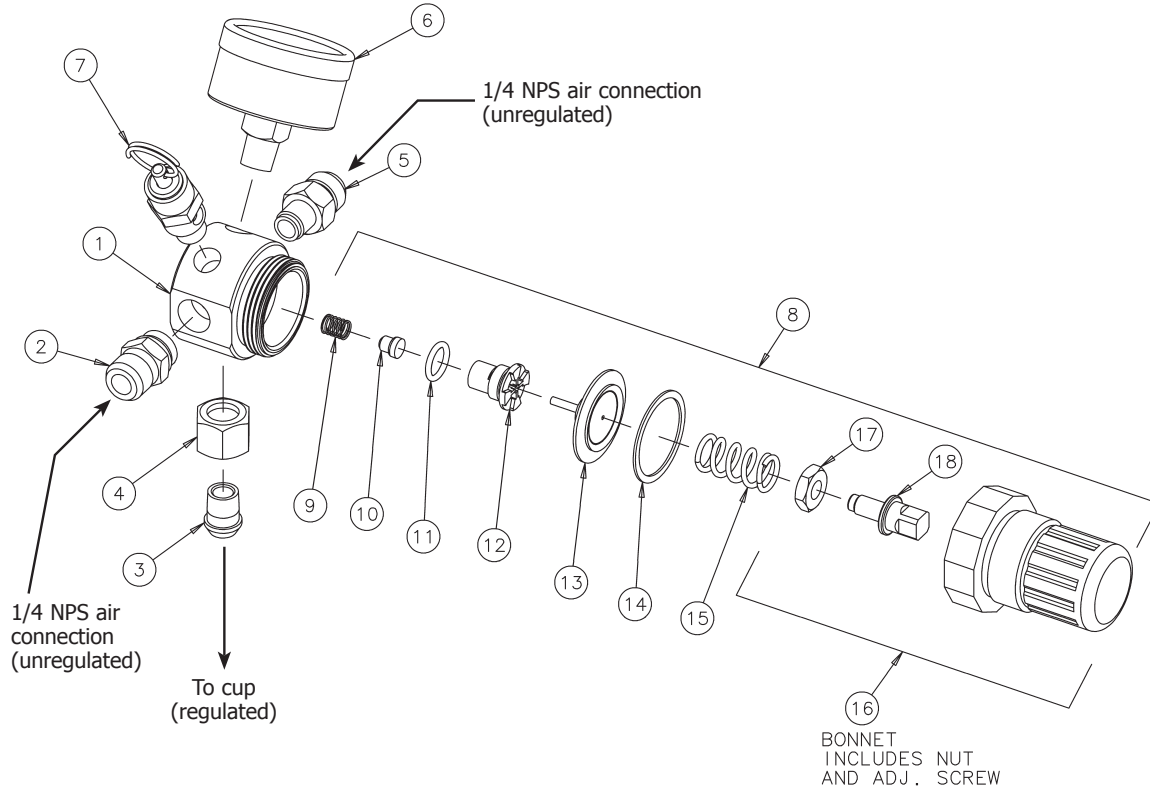




MODELS 85-448, 85-449 & 85-450 AIR PRESSURE REGULATORS



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

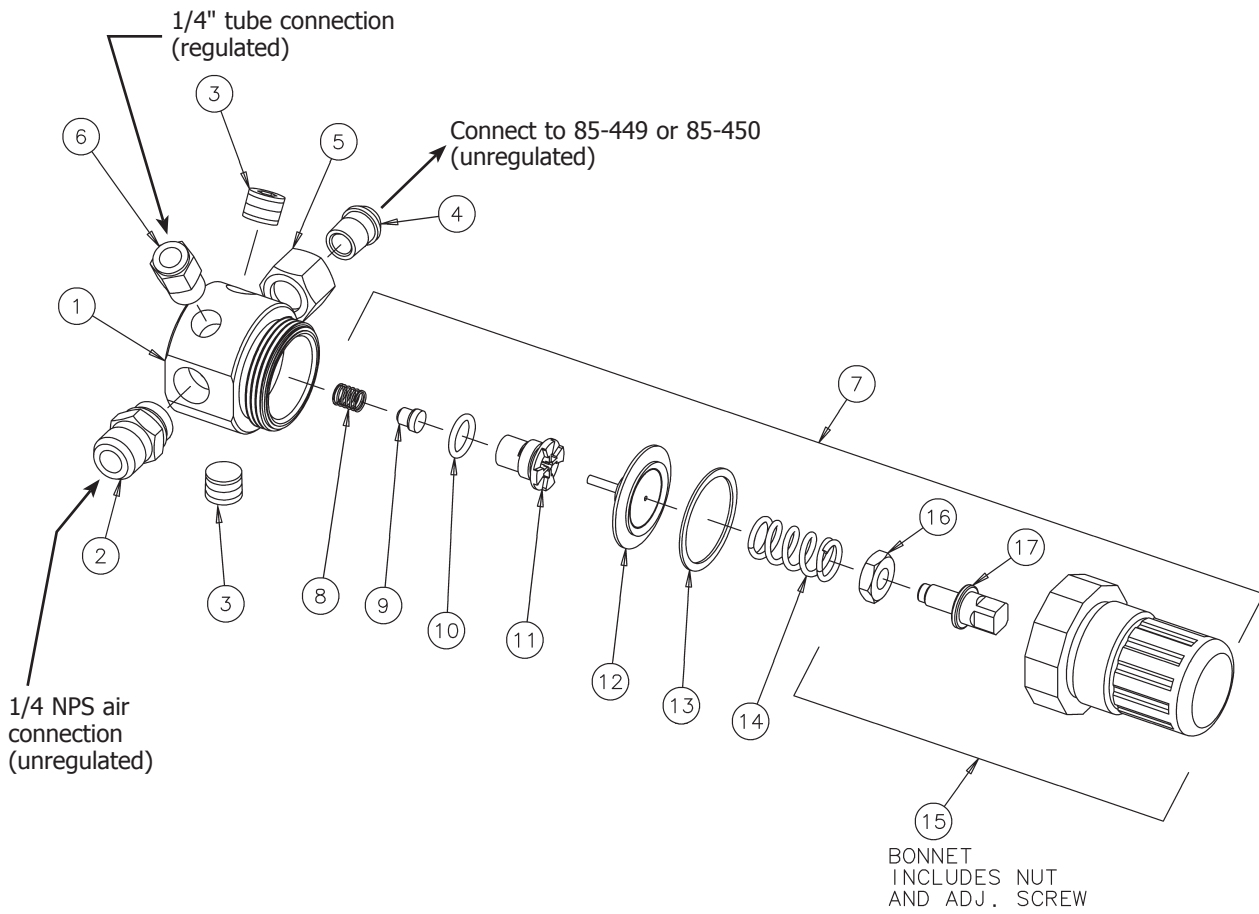
* Not available separately.

▲ 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.

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

This product is covered by Carlisle Fluid Technologies' materials and workmanship limited warranty. The use of any parts or accessories, from a source other than Carlisle Fluid Technologies, will void all warranties. Failure to reasonably follow any maintenance guidance provided may invalidate any warranty.

For specific warranty information please contact Carlisle Fluid Technologies.

For technical assistance or to locate an authorized distributor, contact one of our international sales and customer support locations.

Region	Industrial / Automotive	Automotive Refinishing
Americas	Tel: 1-800-992-4657 Fax: 1-888-246-5732	Tel: 1-800-445-3988 Fax: 1-800-445-6643
Europe, Africa, Middle East, India	Tel: +44 (0)1202 571 111 Fax: +44 (0)1202 573 488	
China	Tel: +8621-3373 0108 Fax: +8621-3373 0308	
Japan	Tel: +81 45 785 6421 Fax: +81 45 785 6517	
Australia	Tel: +61 (0) 2 8525 7555 Fax: +61 (0) 2 8525 7575	

For the latest information about our products, visit www.carlisleleft.com

Carlisle Fluid Technologies is a global leader in innovative finishing technologies. Carlisle Fluid Technologies reserves the right to modify equipment specifications without prior notice.

BGK™, Binks®, DeVilbiss®, Hosco®, MS®, and Ransburg® are all registered trademarks of Carlisle Fluid Technologies, Inc.

©2020 Carlisle Fluid Technologies, Inc.
All rights reserved.

