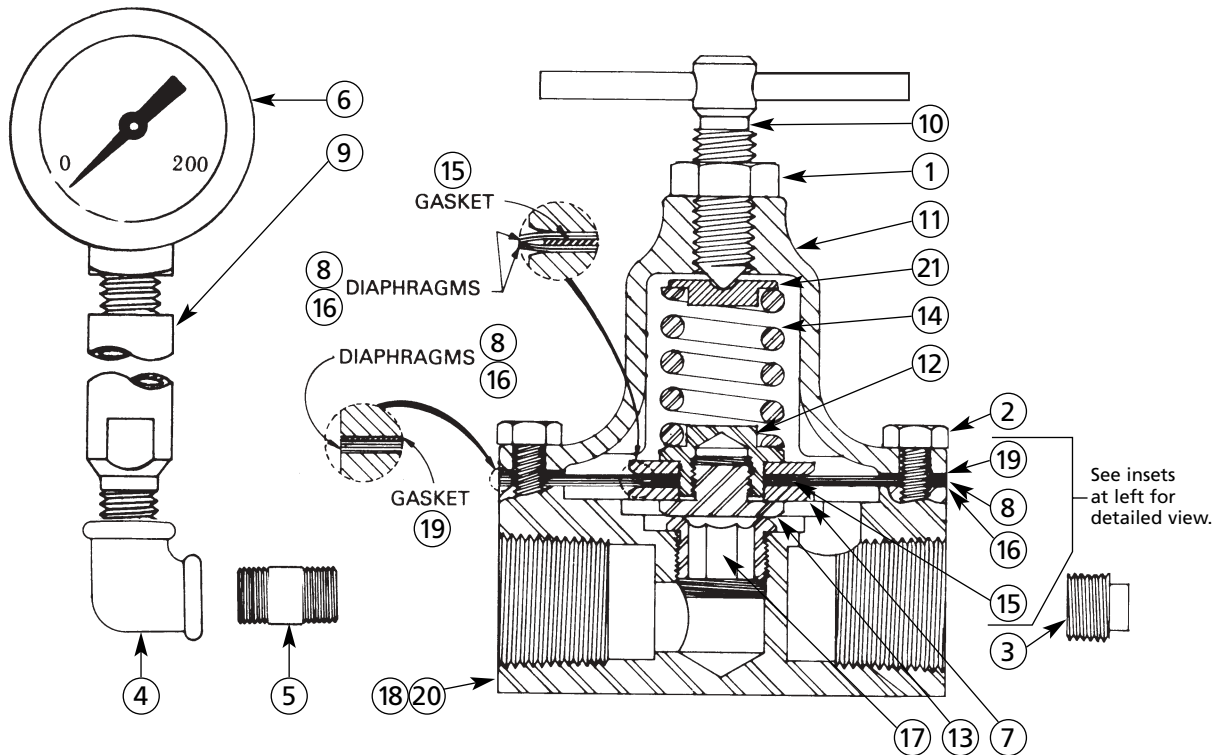




Binks Models 84-404 and 84-504 STAINLESS STEEL BACK PRESSURE FLUID VALVES

MODEL	INLET & OUTLET	FLOW COEFFICIENT
84-404	3/4 NPT(f)	CV = 2.0 MAX.
84-504	1 1/4 NPT(f)	CV = 2.0 MAX.



PARTS LIST

When ordering, please specify Part No.

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	20-262	NUT, 1/2-13.....	1
2	20-783	SCREW, 1/4-20	6
3	20-4401	PLUG, 1/4 NPT.....	1
4	20-2848	ELBOW, 1/4 NPT	1
5	20-5632	NIPPLE, 1/4 NPT	1
6	83-2744*	GAUGE, 200 PSI	1
7	84-328	DISC	2
8	84-330▲	DIAPHRAGM, NYLON	2
9	84-348*	CONNECTOR	1
10	84-351	HANDLE	1
11	84-359	BONNET	1
12	84-362	RETAINER	1
13	84-363	VALVE (84-404, 84-504).....	1
14	84-365	SPRING	1
15	84-388▲	GASKET, VELLUMOID.....	1
16	84-399▲	DIAPHRAGM, TEFLON	2
17	84-454	SEAT (84-404, 84-504)	1
18	84-455	BODY, 3/4 NPT(f) (84-404)	1
19	84-463▲	GASKET, VELLUMOID.....	1
20	84-489	BODY, 1-1/4 NPT(f) (84-504)	1
21	85-10	BUTTON	1

* Optional, not furnished. Please order separately.

▲ Also available in Repair Kit 6-1310. Kit not included, please order separately.

NOTE: The following items are obsolete (refer to Part Sheet 1889R-7):

84-530 BACK PRESSURE VALVE
84-544 BACK PRESSURE VALVE

SEE REVERSE SIDE FOR INSTRUCTIONS.

Binks STAINLESS STEEL BACK PRESSURE FLUID VALVES, MODELS 84-404 & 84-504

MODEL	INLET & OUTLET	FLOW COEFFICIENT
84-404	3/4 NPT(f)	CV = 2.0 MAX.
84-504	1¼ NPT(f)	CV = 2.0 MAX.

INSTRUCTIONS

INSTALLATION:

1. When installing back pressure valve assembly, make certain that **ARROW** underneath valve body points toward **DOWNSTREAM** side of system.
2. Make certain that inlet and outlet connections are tight.
3. If valve is installed in other than the upright (vertical) position, make certain that the gauge assembly (6) is in the upright position in all cases. The gauge assembly may be installed in either of the 1/4 NPT outlets.

OPERATION:

1. With system in operation, turn handle (10) in a clockwise direction until desired back pressure or flow rate is obtained. To reduce back pressure, reverse procedure.
2. Tighten nut (1) to maintain desired back pressure.

NOTE
HIGHER back pressure REDUCES flow rate. LOWER back pressure INCREASES flow rate.

3. If back pressure valve buzzes during or after initial startup of system, the presence of air in the system is indicated. If buzzing continues for any duration, reduce back pressure until buzzing ceases. Then readjust to desired back pressure.

MAINTENANCE:

1. Back pressure valve can be serviced without removing the valve from the line.
2. To replace diaphragms, gaskets or seats:
 - a. Turn handle (10) in a counter-clockwise direction until tension from spring (14) is relieved.
 - b. Remove screws (2).
 - c. Remove valve (13).
3. To reassemble, reverse procedure as outlined. When reassembling, note sequence of diaphragms and gaskets. The gasket (15) fits between the diaphragms (8) and (16). The diaphragms are located below the other gasket (19). See detailed insets on diagram on page 1.

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1889R-8 Revisions: Updated graphic standards; (P1) Removed footnote regarding 6-417 Repair Kit, changed footnote reference from 6-416 Repair Kit to 6-1310, removed footnote regarding tungsten carbide valve and seat, removed 84-518 seat and 84-519 valve from Parts List and diagram, removed references to Models 84-530 and 84-544, added note regarding obsolete valves; (P2) Deleted references to 84-530, 84-544 and 84-519 valves.

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