

SERVICE INFORMATION

FOR

5300 SERIES RELIEF VALVES



INSTALLATION

Install with flow arrow pointing in direction of flow. Use pipe sealant sparingly, if at all — apply with care behind first thread on the male pipe connection.

TECHNICAL DATA FOR PART NUMBER

Part Number Designation _____

Basic Model Number _____

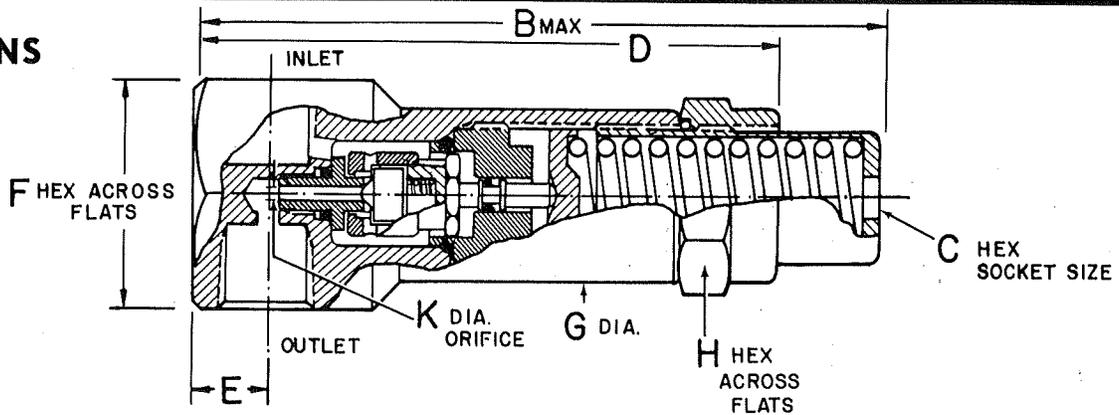
Material _____

End connections-inlet/outlet _____

O-ring material _____

Maximum Operating Pressure _____ psi

DIMENSIONS



PIPE SIZE	CRACKING PRESSURE RANGE (PSI) DASH NO.	B	C	D	E	F	G	H	ORIFICE DIA.	WGT. (LBS.)	
										BRASS	303 S.S.
1/4	420-3074	4.65	1/2	4.36	.52	1.50	1.38	1.25	.125	1.6	1.5
1/4	3075-10,500	5.55	3/8							1.8	1.7
1/2	400-2299	6.63	9/16	5.67	.82	2.00	1.75	1.50	.188	3.2	3.0
1/2	2300-10,500	8.10	1/2							3.7	3.5

TUBE SIZE	CRACKING PRESSURE RANGE (PSI) DASH NO.	B	C	D	E	F	G	H	ORIFICE DIA.	WGT. (LBS.)	
										BRASS	303 S.S.
1/2	420-3074	4.88	1/2	4.59	.70	1.875	1.38	1.25	.125	1.6	1.5
1/2	3075-10,500	5.78	25/64							1.8	1.7



BRUNSWICK CORPORATION
 POST OFFICE BOX 3666
 ANAHEIM • CALIFORNIA • 92803
 (714) 774-6110

Representatives in Principal U.S. Cities

Replacement Parts Kits

5300 Series

Kit includes three (3) Static O-Rings, Poppet and Stem Seal Backup ring.

Specify by ordering "KIT _____"
(insert valve number)

5300 SERIES INSTRUCTIONS

Disassemble valve as illustrated. Remove O-Rings, poppet and stem seal backup rings. Moisten fingers, sparingly, with DC*55 lube (MIL-L-4343) and massage O-Rings before installation. Lube O-Rings, Backup-rings, threads and Spring ends.

Reassemble valve. Adjust to desired cracking pressure by inserting hex socket wrench in top of valve. Tighten lock nut.

*Dow Corning, Midland, Michigan

REPLACEMENT O-RINGS		
NUMBER	MATERIAL	LUBE*
5349	Buna-N	DC-55
5377	Buna-N	DC-55
5333	Consult Factory	

* Aluminum or Brass as noted. Steel use 822.

ADJUSTMENT RANGE AND REPLACEMENT SPRING DATA

TUBE SIZE	PIPE SIZE	VALVES ORDERED IN THIS RANGE (PSI)	WILL ADJUST OVER THIS RANGE (PSI)	NOMINAL C.P. (PSI)	SPRING NUMBER
8BB	2PP	420-589	420-600	500	535-70
8BB	2PP	590-839	575-850	700	535-100
8BB	2PP	840-1179	825-1190	1000	535-140
8BB	2PP	1180-1574	1170-1650	1400	535-200
8BB	2PP	1575-1899	1500-2075	1700	535-250
8BB	2PP	1900-2449	1710-2570	2200	535-300
8BB	2PP	2450-3074	2300-3120	2800	535-400
8BB	2PP	3075-3999	3030-4100	3500	545-500
8BB	2PP	4000-7399	3890-7560	5800	545-850
8BB	2PP	7400-10,500	4000-10,500	8000	545-1030
	4PP	400-599	400-700	500	565-100
	4PP	600-899	550-950	700	565-140
	4PP	900-1299	850-1350	1000	565-200
	4PP	1300-1799	1250-2000	1500	565-300
	4PP	1800-2299	1650-2700	2000	565-400
	4PP	2300-3299	1900-3500	3000	575-500
	4PP	3300-6999	3100-7200	5000	575-1000
	4PP	7000-10,500	4000-10,500	8000	575-910

SPRING INTERCHANGEABILITY

5300-8BB, 5300-2PP—Springs in the 420-3074 psi range are interchangeable
Springs in the 3075-10,500 psi range are interchangeable

5300-4PP—Springs in the 400-2299 psi range are interchangeable
Springs in the 2300-10,500 psi range are interchangeable

