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**SUBJECT:** Boiler Relief Valve Pressures & Sizes

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*Attached to this bulletin are tables that list the relief valves used on Weil-McLain water and steam boilers.*

All Weil-McLain steam boilers have a maximum steam rating of 15 psi (pounds per square inch). All residential cast iron water boilers have a maximum working pressure of 50 psi, so stated on the rating label.

Weil-McLain provides a standard 30 psi relief valve with all water boilers, as 30 psi is sufficient for the majority of systems. For a higher pressure system, up to a 50 psi relief valve may be installed on the boilers so marked with 50 psi maximum working pressure (*please note: the Ultra Gas has a maximum of 30 psi*). Each boiler's rating label indicates the Maximum Allowable Working Pressure (MAWP) for that specific boiler. A relief valve with a pressure rating higher than the MAWP on the rating label cannot be installed.

Weil-McLain commercial boilers models LGB, 80, 88 and 94 all have standard rating labels with 50 psi maximum working pressure. These boilers are shipped with 30 psi relief valves as standard. Relief valves up to 50 psi may be used on these boilers. Additionally, these boilers may be ordered for 80 psi MAWP, in which case up to an 80 psi relief valve may be utilized. However, the boiler must be ordered as an 80 psi boiler that will then have an applicable 80 psi MAWP rating label.

To reiterate, the relief valve pressure must be equal to or lower than the MAWP on the rating label. The MAWP listed on the rating label must also be equal to or lower than the MAWP cast into every section of a cast iron boiler. If a question arises as to the proper relief valve for any Weil-McLain boiler, please call Technical Service at 219-879-6561.

# WATER RELIEF VALVE SIZE

BOILER MODEL	BOILER SIZE	WATER RELIEF VALVE SIZE	QTY	PART NUMBER	RELIEVING CAPACITY LBS PER HR
AHE	ALL	3/4"	1	511-546-923	625
CER	ALL	3/4"	1	511-546-924	375
CE	ALL	3/4"	1	511-546-924	375
CG	ALL	3/4"	1	511-546-920	375
EG	ALL	3/4"	1	511-546-924	375
EGH	ALL	3/4"	1	511-546-924	375
GO	ALL	3/4"	1	511-546-920	375
GV	ALL	3/4"	1	511-546-920	375
HE	ALL	3/4"	1	511-546-920	375
LGB	4-5	3/4"	1	511-546-924	375
	6-9	3/4" x 1"	1	511-546-925	925
	10-13	1" x 1 1/4"	1	511-546-930	1,300
	14-20	1 1/4" x 1 1/2"	1	511-546-935	2,105
	21-23	1 1/2" x 2"	1	511-546-940	2,900
MGB	5-7	3/4" x 1"	1	511-546-925	925
	8-10	1" x 1 1/4"	1	511-546-930	1,300
	11-16	1 1/4" x 1 1/2"	1	511-546-935	2,105
	17-22	1 1/2" x 2"	1	511-546-940	2,900
	23-38	2" x 2 1/2"	1	511-546-945	5,250
PER	ALL	3/4"	1	511-546-924	375
PFG	ALL	3/4"	1	511-546-924	375
Ultra Gas	ALL	3/4"	1	383-500-095	375
Ultra Oil	ALL	3/4"	1	511-546-920	375
VHE	ALL	3/4"	1	511-546-920	375
76	4-7	3/4"	1	511-546-924	375
	8-9	3/4" x 1"	1	511-546-925	925
78 & 80	3-4	3/4"	1	511-546-924	375
	5-8	3/4" x 1"	1	511-546-925	925
	9-11	1" x 1 1/4"	1	511-546-930	1,300
	12	1 1/4" x 1 1/2"	1	511-546-935	2,105
88	488-588	1" x 1 1/4"	1	511-546-930	1,300
	688-888	1 1/4" x 1 1/2"	1	511-546-935	2,105
	988-1188	1 1/2" x 2"	1	511-546-940	2,900
	1288-1888	2" x 2 1/2"	1	511-546-945	5,250
94	6-8	1 1/4" x 1 1/2"	1	511-546-935	2,105
	9-10	1 1/2" x 2"	1	511-546-940	2,900
	11-19	2" x 2 1/2"	1	511-546-945	5,250
	20	1 1/2" x 2"	2	511-546-940	2,900
	21-23	1" x 1 1/4"	1	511-546-930	1,300
		2" x 2 1/2"	1	511-546-945	5,250
	24-25	1 1/4" x 1 1/2"	1	511-546-935	2,105
		2" x 2 1/2"	1	511-546-945	5,250

All standard relief valves listed above are 30 psi except for the AHE, which is 50 psi.

# STEAM RELIEF VALVE SIZE

BOILER MODEL	BOILER SIZE	STEAM RELIEF VALVE SIZE	QTY	PART NUMBER	RELIEVING CAPACITY LBS PER HR
CE	ALL	3/4"	1	511-548-020	450
EG	ALL	3/4"	1	511-548-023	375
EGH	ALL	3/4"	1	511-548-020	450
LGB	4-7	1" x 1"	1	511-548-046	643
	8-12	1 1/4" x 1 1/2"	1	511-548-051	1,200
	13-19	1 1/2" x 2"	1	511-548-052	1,900
	20-23	2" x 2"	1	511-548-056	2,500
MGB	5	1" x 1"	1	511-548-046	643
	6-9	1 1/4" x 1 1/2"	1	511-548-051	1,200
	10-14	1 1/2" x 2"	1	511-548-052	1,900
	15-19	2" x 2"	1	511-548-056	2,500
	20-27	1 1/2" x 2"	2	511-548-052	1,900
	28-32	1 1/2" x 2"	1	511-548-052	1,900
		2" x 2"	1	511-548-056	2,500
	33-37	2" x 2"	2	511-548-056	2,500
38	1 1/4" x 1 1/2"	1	511-548-051	1,200	
	3" x 3"	1	N/A	N/A	
SGO	ALL	3/4"	1	511-548-023	375
76	ALL	1" x 1"	1	511-548-046	643
78 and 80	3-4	3/4"	1	511-548-020	450
	5-6	1" x 1"	1	511-548-046	643
	7-10	1 1/4" x 1 1/2"	1	511-548-051	1,200
	11-12	1 1/2" x 2"	1	511-548-052	1,900
88	4-5	1 1/4" x 1 1/2"	1	511-548-051	1,200
	6-7	1 1/2" x 2"	1	511-548-052	1,900
	8-10	2" x 2"	1	511-548-056	2,500
	11	1" x 1"	1	511-548-046	643
		2" x 2"	1	511-548-056	2,500
	12-14	1 1/4" x 1 1/2"	1	511-548-051	1,200
		2" x 2"	1	511-548-056	2,500
15-18	2" x 2"	2	511-548-056	2,500	
94	8-9	2" x 2"	1	511-548-056	2,500
	10-11	1 1/4" x 1 1/2"	1	511-548-051	1,200
		1 1/2" x 2"	1	511-548-052	1,900
	12-13	1 1/2" x 2"	2	511-548-052	1,900
	14-15	1 1/2" x 2"	1	511-548-052	1,900
		2" x 2"	1	511-548-056	2,500
	16-18	2" x 2"	2	511-548-056	2,500
	19	1 1/2" x 2"	1	511-548-052	1,900
	20-21	2" x 2"	1	511-548-056	2,500
		2 1/2" x 2 1/2"	1	511-548-057	3,529
22-25	2 1/2" x 2 1/2"	2	511-548-057	3,529	

**All relief valves above are 15 psi.**