

# Replacement Parts

Applies to: **Serial No. Explanation; Model No. Explanation; Replacement Ignition Systems and Gas Valves by Serial No. Code; and Maxitrol System Components by Serial No. Suffix**

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## WARNINGS

Selection of replacement control parts from this manual and all servicing of products must be done by your local Distributor or other qualified technician. Improper selection or servicing could result in severe personal injury, death, or property damage. The manufacturer will not accept responsibility or liability as a result of improper servicing of products.

In the United States, all installations of gas-fired products must be in accordance with the Standards of the NFPA (National Fire Protection Association), the National Fuel Gas Code, and all local authorities. In Canada, all installations of gas-fired products must be in accordance with the CAN/CSA Installation Code for Gas Burning Appliances and Equipment and all provincial and local authorities.

### SAFETY WARNINGS AND GUIDELINES FOR A QUALIFIED SERVICE TECHNICIAN

- When selecting a replacement control, always have the complete Model No. and Serial No. of the heater (see pages 2–4 for instructions on decoding those numbers). If the model and serial number are not available, contact your local Representative. **DO NOT SELECT REPLACEMENT CONTROLS WITHOUT COMPLETE INFORMATION.**
- Before servicing a heater, always turn off the gas and the power supply. Because of the electrical safety features, never turn off the power supply without turning off the gas.
- The electrical operating valve is the primary safety shutoff. The gas supply line must be free of dirt or scale before connecting the valve.
- Leak test all gas connections including pilot connections. Test using a commercial leak detecting or a soap solution. **WARNING: DO NOT TEST WITH OPEN FLAME.** If a leak cannot be stopped by tightening, replace the part.
- In the event of pilot outage or improper ignition, wait at least five minutes before attempting to relight the heater.
- After any service is completed, always test for proper operation. Re-connect the electrical supply and turn on the gas. Verify against operating sequence information on the heater and in the heater installation manual. Safety check the installation and equipment. **CHECK THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.**

**PN 174848**, Maxitrol 1092  
Amplifier used in Option AG39  
and Option AG41 (Support  
Bracket, PN **104155**)



**Regulator** used on **INDIRECT-FIRED** Model Series X, SC, RG, RP, RX, RPV, and EEDU and gas heat sections in Models RDCA/RDDA equipped with Optional Electronic Modulation Options AG7, AG8, AG9, AG21, AG39, AG40, AG41, AG42, AG57



PN	Maxitrol	Size	Thermocore Model Size	with Opt AG	Gas
42278	MR410	1/2"	75-125	7, 8, 9, 21	Natural
42279	MR510	1/2"	150-200	7, 8, 9, 21	Natural
42280	MR510	3/4"	225-400	7, 8, 9, 21	Natural
156462	MR410H-1	1/2"	75-125	7, 8, 9, 21	Propane
156463	MR510H-1	1/2"	150-200	7, 8, 9, 21	Propane
156464	MR510-H	3/4"	225-400	7, 8, 9, 21	Propane
174815	M420R, 20.0 MBH @3.8" w.c. inlet	1/2"	100	39, 40	Natural
174816	M420R, 25.0 MBH @3.9" w.c. inlet	1/2"	125	39, 40	Natural
174838	M520R, 40.3 MBH @ 3.7" w.c. inlet	1/2"	150-175	39, 40	Natural
174839	M520R, 51.8 MBH @ 3.9" w.c. inlet	1/2"	200-225	39, 40	Natural
174840	M520R, 69.0 MBH @ 4.0" w.c. inlet	3/4"	250-300	39, 40, 41, 42	Natural
174841	M520R, 100 MBH @ 4.4" w.c. inlet	3/4"	400	39, 40, 41, 42	Natural
PN	Maxitrol	Size	RDCA/RDDA	with Opt AG	Gas
205582	MR410@120cfh	1/2"	100, 150	57	Natural
205581	MR410-1	1/2"	200	57	Natural
205580	MR510	1/2"	250, 300	57	Natural
208370	MR610-166	3/4"	350, 400	57	Natural
208371	MR610-1-88	1"	450, 500, 550	57	Natural

**Maxitrol Signal Conditioner used on *Both Indirect Fired Equipment and Direct Fired Equipment***

**PN 134170**, Maxitrol Signal Conditioner used in  
**Indirect Fired Gas Control**

- Option AG21 (Serial No. Suffix Code MVA)
- Option AG40 (Serial No. Suffix Code MP2)
- Option AG42 (Serial No. Suffix Code MP4)
- Option AG44 (Serial No. Suffix Code MP6)
- Option AG57
- Option DG2
- Option DG6



**Direct Fired Gas Control**

- Option AG37 (Serial No. Suffix Code MVC)

When used in Options AG 21, 37, 40, 42, and 44, the signal conditioner (either Maxitrol A200 or Maxitrol Model SC10C-B6S1 or SC11-A, depending on date of manufacture) is activated by a customer-supplied input signal (either 4-20 milliamps or 0-10 volts).