



Please Note: This Bulletin has been replaced by M/MR_MT_EN_10.2007

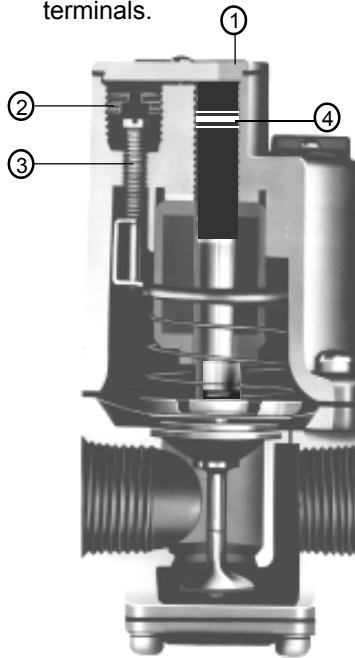
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M451(-1), M551(-1), M651(-1) modulating valves

Adjustments for setting low and high fire

Low Fire Adjustments:

- A. Ensure that zero voltage is being applied to the modulator, e.g. remove power to controller or signal conditioner, or disconnect a wire from the valve's terminal block. **Caution** - do not allow the wire to come in contact with any surface.
- B. Remove cover plate (1).
- C. Minimum adjusting screw (3) should be adjusted to the appropriate position for achieving the desired low fire setting.
- D. Replace cover plate (1).
- E. If any wires were disconnected during the procedure, reconnect them to the appropriate terminals.



- (1).....COVER PLATE
(2).....MINIMUM
ADJUSTMENT SCREW
STOP
(3).....MINIMUM
ADJUSTMENT SCREW
(4).....PLUNGER STOP
(NON-FUNCTIONAL)

Minimum Fire Adjustment Range:

M451, M551, M651.....1.2" to 2.5" w.c. (3 to 6 mbar)
M451-1, M551-1, M651-1...2.0" to 4.5" w.c. (5 to 11 mbar)



Note: M451, M551, M651 models with a date code preceding 9411 have a minimum adjustment range of 2.0" to 4.5" w.c. (5 to 11 mbar). If replacing these valves, superseding (-1) models are to be used to achieve this adjustment range.

High Fire Adjustments:

- A. Ensure that at least 18 volts DC is applied to the modulator terminals.
- B. Adjust the pressure regulator upstream of the modulator to the desired high fire setting. The maximum high fire setting is 7" w.c. (17.42 mbar) above the low fire setting.

(For additional information, reference the following Maxitrol literature: Bulletin MT2035 on M/MMR valves, and Bulletin MS2036 on A200 signal conditioners.)

CAUTION: Operation of combustion equipment can be hazardous resulting in bodily injury or equipment damage. Each burner should be supervised by a combustion safeguard and only qualified personnel should install, make system adjustments and perform any required service.



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NOTICE: Maxitrol practices a policy of continuous improvement in the design of its products. It reserves the right to change the specifications at any time without prior notice.