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Subject: Re: Fisher 500C-how hot is too hot?  
Posted by [Damir](#) on Sun, 04 Sep 2005 22:59:52 GMT  
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With OP -  $U_a=440V$ ,  $U_{g2}=320V$ ,  $U_{g1}=-20V$ , you can expect more then 100mA  $I_{a+g2}$  current through each EL34. Much more then  $P_a$  max for EL34. For "reasonable" bias of about  $I_a\sim 50mA$  (and  $I_{g2}\sim 5mA$ ) you should change the "bias voltage"  $U_{g1}$  to about -26V. If you don't have adjustable "bias" pot, you can change the values of voltage divider resistors in "bias" supply to "enlarge"  $U_{g1}$ .

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