

# FEDERAL TELEGRAPH CO.

## Federal Type F-103-A Half Wave Rectifier

### RATINGS AND DATA

|                              |                                  |
|------------------------------|----------------------------------|
| Main Use                     | High Voltage Half Wave Rectifier |
| No. of Electrodes            | 2                                |
| Filament Voltage             | 28 volts                         |
| Current                      | 51 amperes                       |
| Type                         | Tungsten                         |
| Maximum Peak Current         | 9 amperes                        |
| Maximum Peak Inverse Voltage | 50,000 volts                     |
| Overall Dimensions           |                                  |
| Maximum Length               | 21 inches                        |
| Maximum Diameter             | 4 1/16 inches                    |
| Type Base                    | Standard                         |
| Mounting                     | Standard                         |
| Type of Cooling              | Water                            |
| Water Jacket                 | Federal Type 1001-A              |

The above information by no means represents exact conditions of operation to be imposed for any particular situation. Tubes are used under many widely different conditions and consequently the manufacturer should be consulted for information regarding characteristics for design purposes.

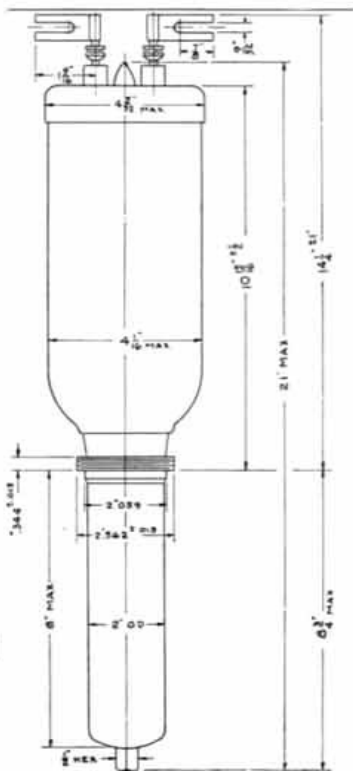


Fig. 1



Federal Type F-103-A is a high vacuum, water cooled, high voltage, half wave rectifier highly recommended for use in rectifier circuits required to deliver high D.C. voltages. Tipless stem assures perfect alignment of internal elements.

FEDERAL TELEGRAPH CO.  
200 Mt. Pleasant Ave.  
Newark, N. J.

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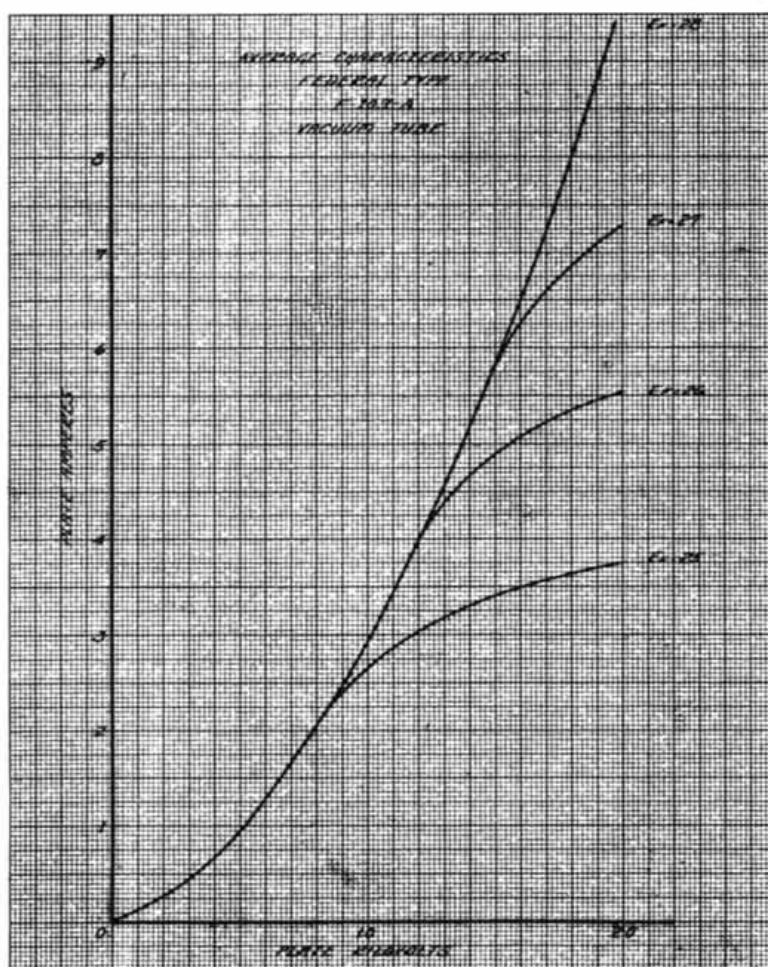


Fig. 2

Average Characteristics