



875-A

CARBON ANODE AND SHIELD
HALF-WAVE
MERCURY VAPOR
RECTIFIER TUBE

For Broadcast Stations and
Induction Heating Apparatus

\$30.00

This new and greatly improved Taylor design incorporates the use of a Processed Carbon Anode and shield. This type is widely used in commercial services. A performance test will thoroughly prove the superiority of Taylor's 875-A's.

GENERAL CHARACTERISTICS

Filament Volts	5
Filament Current, amps.....	10
Heating time, seconds.....	30

Overall Dimensions

Maximum Height, inches.....	10 3/4
Maximum Diameter, inches.....	3 1/8
50 Watt Base	Nonex Glass

Max. Peak Inverse Voltage

Condensed Mercury Temperature 20° to 50° C.....	15,000
Condensed Mercury Temperature 20° to 60° C.....	10,000
Max. Peak Plate Current, amps.....	6
Max. Average Plate Current, amps.....	1.5
Approx. Tube Voltage Drop, volts.....	10

TYPICAL CIRCUIT—MAXIMUM CONDITIONS

	R.M.S. Input Volts	Max. D.C. Output Volts	Amps.
Single phase full wave (2 tubes).....	5300	4750	3
Single phase bridge (4 tubes).....	10600	9500	3
Three phase half wave (3 tubes).....	6120	7150	4.5
Three phase parallel double Y (6 tubes) 6120		7150	9
Three phase full wave (6 tubes).....	6120	14300	4.5

Special Note

In transit mercury in tube splatters over filament—therefore when first placing this tube into operation filament should be lighted for fully 15 minutes to allow mercury to condense to bottom of bulb.



HALF-WAVE MERCURY VAPOR RECTIFIER TUBES

New Low Price!

872-A — 8008
\$7.50 \$7.00

This new and greatly improved Taylor design incorporates the use of a Processed Carbon Anode and shield. Tried and proven in actual broadcast station use. A performance test will thoroughly prove the superiority of Taylor 872-A's. In a single phase full wave rectifier, with choke input, two 872-A's will deliver up to 2.5 amps. at 3200 volts D.C. Multi-strand filament. Ratings for the 872-A and 8008 are identical.

GENERAL CHARACTERISTICS

Filament Volts	5
Filament Current, amps.....	6.75
Heating Time, seconds.....	30

Overall Dimensions

Maximum Height, inches.....	8 1/4
Maximum Diameter, inches.....	2 1/8
	Nonex Glass

872-A has a standard 50 watt base. The 8008 has the industrial type long prong 50 watt base—fits a Johnson No. 244 socket.

Max. Peak Inverse Voltage

Condensed Mercury Temperature 20° to 60° C.....	10,000
Condensed Mercury Temperature 20° to 70° C.....	5,000
Max. Peak Plate Current, amps.....	5.0
Max. Average Plate Current, amps.....	1.25

TYPICAL CIRCUIT—MAXIMUM CONDITIONS

	R.M.S. Input Volts	Max. D.C. Output Volts	Amps.
Single phase full wave (2 tubes).....	3530	3160	2.5
Single phase bridge (4 tubes).....	7060	6360	2.5
Three phase half wave (3 tubes).....	4080	4780	3.75
Three phase parallel double Y (6 tubes) 4080		4760	7.5
Three phase full wave (6 tubes).....	4080	4780	3.75

Special Note

In transit mercury in tube splatters over filament—therefore when first placing this tube into operation filament should be lighted for fully 15 minutes to allow mercury to condense to bottom of bulb.