

Precision High Power E-H Tuner

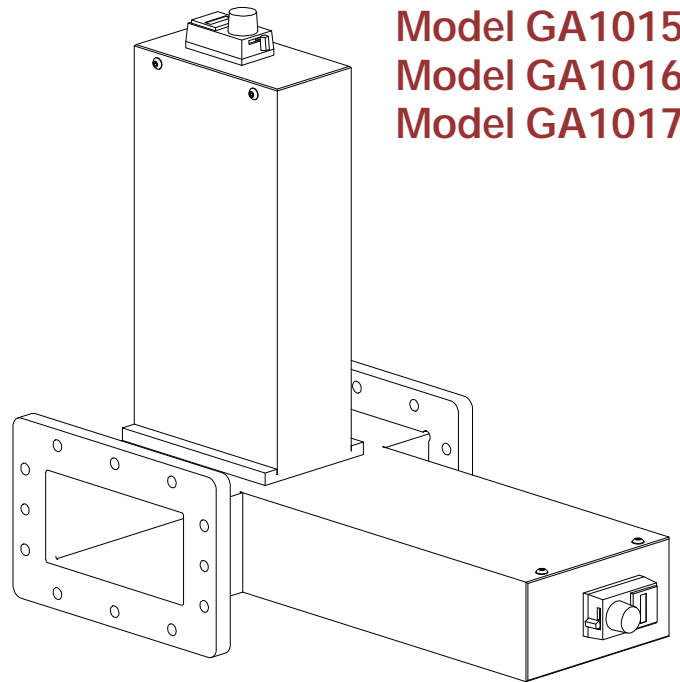
GERLING

GAE's family of precision high power E-H tuners are designed for load impedance matching in high power microwave heating systems. These E-H tuners are particularly useful under conditions of combined high power and high VSWR in which conventional stub tuners are more likely to cause voltage breakdown and arcing. The non-contacting sliding plungers of the E-H tuner employ a 1/4-wave choke structure allowing adjustment while under high power operation. The plunger is adjusted by a precision screw assembly which allows ultra-fine tuning and minimizes backlash. A multi-turn dial with digital readout enables precise repeatable positioning. The simple yet rugged design of the E-H tuner makes them ideal for a variety of laboratory, production and OEM applications.

General Specifications:

Waveguide	WR284 (GA1015); WR340 (GA1016); WR430 (GA1017)
Flange	UG1725/U (GA1015); UG554/U (GA1016); UG437B/U (GA1017)
Frequency	2450 MHz +/- 50 MHz
Plunger Travel	GA1015: 4.7 inches (11.9 cm) GA1016: 3.5 inches (8.9 cm) GA1017: 3.0 inches (7.6 cm)
Power	3 kW (GA1015); 6 kW (GA1016, GA1017)
Construction	Dip brazed aluminum waveguide
Finish	Chemical conversion coating on waveguide, Black textured paint

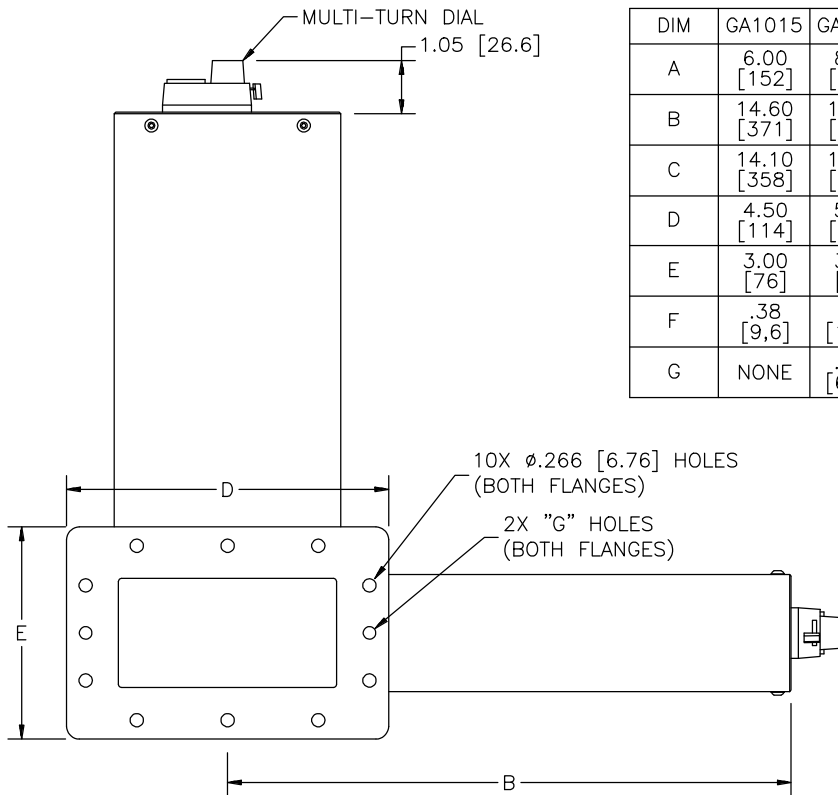
Model GA1015
Model GA1016
Model GA1017



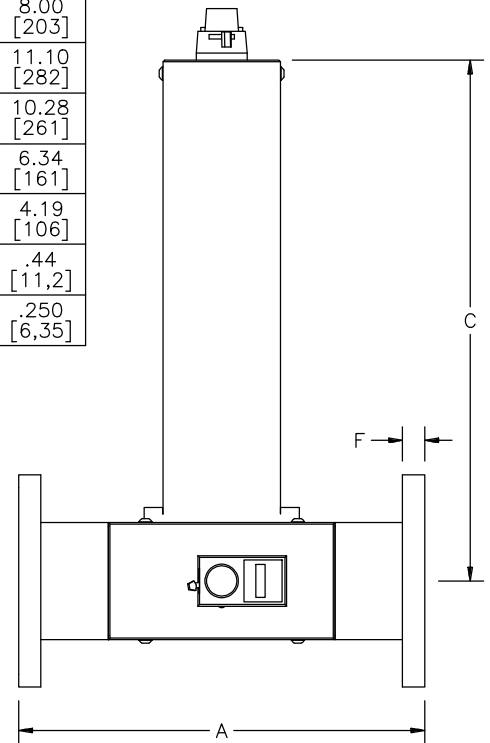
Model GA1017

Options:

- ◆ Heli-Coils or studs on flanges (any combination, except GA1018)
- ◆ Flange interlock switches



DIM	GA1015	GA1016	GA1017
A	6.00 [152]	8.00 [203]	8.00 [203]
B	14.60 [371]	12.00 [305]	11.10 [282]
C	14.10 [358]	11.40 [290]	10.28 [261]
D	4.50 [114]	5.44 [138]	6.34 [161]
E	3.00 [76]	3.75 [95]	4.19 [106]
F	.38 [9,6]	.44 [11,2]	.44 [11,2]
G	NONE	.250 [6,35]	.250 [6,35]



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