



784

## 784 SERIES THERMOCOUPLE OPERATED GAS PILOT SAFETY VALVES

Non-Regulated, Safe Lighting, In Line Appliance Control with 100% Shut Off. **Do Not Use on Unvented Applications**

### FEATURES

- . Redesigned to include 100 PSI protection, inlet screen and inlet pipe stop.
- . Optional rear inlet tapped and plugged.
- . May be mounted horizontal, vertical and 90° from horizontal (multipoise).
- . Valves have adjusted pilot pressure and manual shut-off valve.
- . Functional replacement for Jade Controls J-100 gas valve.

### SPECIFICATIONS

Electrical Rating	20 to 30 mV (Thermocouple)
Regulator Adjustment Range	Non-regulated
Maximum Pressure Rating	1/2 PSI (14.0" W.C.)
Ambient Operating Range	32 to 175°F
Swing Radius	2.5"
Agency . . . . .	A.G.A. and C.G.A. design certified

### PARTS AND ACCESSORIES See end of this section for additional parts and accessories

- . F145-1111 — 3" Stern extender
- . F145-1112 — Floor furnace rod adapter
- . F42-0895 — Replacement knob
- . Thermocouple accessories, p. 55

Model Number	Coil Voltage	Inlet-Outlet Size	Capacity A.G.A. Standard Gas ①	Electrical Connection
784-101	20 to 30 mV	3/8" x 3/8"	132,000	Thermocouple
784-501	20 to 30 mV	1/2" x 1/2"	142,000	Thermocouple

# **GAS**

## **CONVERSION FACTORS FOR GAS VALVE CAPACITIES**

---

Capacities shown in this catalog are for AGA Standard Gas (1000 Btu/Cu. Ft., .64 Specific Gravity) at 1.0"W.C. pressure drop across valve. Table below shows conversion factors for other gases.

<b>Total Heating Value (Btu/Cu.</b>	<b>Specific Gravity</b>	<b>Conversion Factor (multiply listed capacity by:)</b>
Less than 800	0.60	0.516
800 to 950	0.70	0.765
2500 (LP Gas)	1.53	1.620