



# BURNER SPEC & DATA SHEET

## **SERIES SC<sup>TM</sup>** **BECKETT MODEL "CG10" BURNER** **FOR GAS**

### STANDARD EQUIPMENT

1. Direct spark ignition
2. Air flow switch
3. High and low gas pressure switches
4. On/Off with low fire start
5. Flame rod flame detector
6. 115V/60 Hz burner motor voltage
7. Main shutoff cock, leak test cock, and test connections
8. UL/CUL, CSD1, GE Gap code compliance
9. MEA and Mass code approval

### OPTIONAL EQUIPMENT

1. Control panel with on/off control switch, power-on and fuel-on lights and terminal strip. Also available are additional lights, relays, alarm bell and step down control circuit transformer.
2. UV flame detector
3. Controls and gas trains to comply with FM, IRI, and other codes.
4. Various combustion control models and brands
5. Various gas train configurations and brands
6. Burner motor voltage; 220/60/1

**BECKETT MODEL "CG10" BURNER FOR GAS**

BOILER MODEL	I=B=R INPUT MBH (1)	OVERFIRE PRESSURE IN. W.C. (2)	BURNER MODEL	STANDARD COMBUSTION CONTROL	STANDARD CONTROL SYSTEM (3)	3450 RPM MOTOR HP	STANDARD MOTOR VOLTAGE
SC/SCT-05	433	+0.20	CG10.1	RM7895A	O-O	1/4	115/60/1
SC/SCT-06	505	+0.20	CG10.3	RM7895A	O-O	1/4	115/60/1
SC/SCT-07	577	+0.20	CG10.3	RM7895A	O-O	1/4	115/60/1
SC/SCT-08	649	+0.20	CG10.4S	RM7895A	O-O	1/4	115/60/1
SC/SCT-09	722	+0.20	CG10.4S	RM7895A	O-O	1/4	115/60/1
SC/SCT-10	794	+0.20	CG10.5S	RM7895A	O-O	1/4	115/60/1

(1) Based on Natural Gas with heating value of 1,000 BTU per cu. ft., 0.60 specific gravity at a maximum altitude of 2000 ft. Consult factory for higher altitudes.

(2) With + 0.10" W.C. at flue outlet when firing at I=B=R Input.

(3) Beckett's standard offering is on/off control with Low Fire Start.

**NATURAL GAS**

BOILER MODEL	STANDARD CONTROL TRAIN			MANIFOLD PRESSURE (5) IN. W.C.		INITIAL AIR SETTINGS		HEAD SETTING
	SIZE IPS	PRESSURE - INCHES W.C.		LIGHT	RUN	SHUTTER	BAND	
		MINIMUM (4)	MAXIMUM					
SC/SCT-05	1"	4.50	14.0	1	3	10	2	1
SC/SCT-06	1"	4.10	14.0	1	2	5	0	3
SC/SCT-07	1"	4.50	14.0	1.4	2.7	8	0	3
SC/SCT-08	1"	5.70	14.0	1.5	3.4	6.5	0	4
SC/SCT-09	1"	6.10	14.0	2	4.2	8.5	0	4
SC/SCT-10	1"	6.20	14.0	2	3.9	10	3	3

(4) Alternate control trains are available for low gas pressure applications.

(5) Start-up settings only. Final settings must be determined using combustion test equipment.