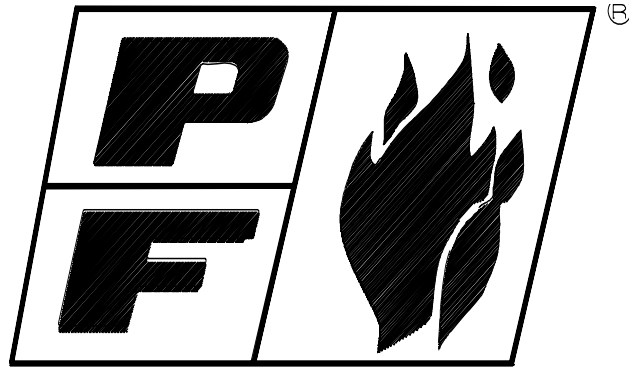


Power Flame Incorporated



“CX” BURNER PARTS LIST

THE POWER TO MANAGE ENERGY

2001 South 21st Street, Parsons, Kansas 67357

Telephone 620-421-0480, Fax 620-421-0948

Web Site: www.powerflame.com

E-Mail: CSD@powerflame.com

CXPB 0393
Rev.901

ALPHABETICAL INDEX TO "CX" BURNER PARTS LIST

DESCRIPTION	PAGE NUMBER	ITEM NUMBER
Air Inlet Plates	2	7
Air Inlet Spacers	2	9
Ball Joint.....	11	57
Blower Companion Flanges	12	60
Blower Companion Flange Gaskets	12	61
Burner Heads	2	10
Butterfly Nipple Assemblies, Gas	7	42
Cable, Ignition	8	44
Cocks, Low Fire Adjustment.....	5	25
Cocks, Manual and Leakage Shutoff.....	4	18
Companion Flanges	3	16
Controls, Flame Safeguard	9	50
Damper Assemblies	7	38
Damper/Mod Motor Mounting Brackets.....	7	39
Damper/Mod Motor Heat Shield Insulation.....	7	40
Damper/Mod Motor Insulation Covers.....	7	41
Damper Motor and Arm.....	11	58
Electrodes, Ignition.....	2	11
Flame Rods.....	3	12
Flame Rod Cable	8	45

(a)

DESCRIPTION	PAGE NUMBER	ITEM NUMBER
--------------------	------------------------	------------------------

Fresh Air Intakes	11	62
Fuse and Holder	8	48
Grounding Lug	6	34
Impellers.....	1	2
Lights, Signal.....	8	47
Linkage Rod	11	56
Locknuts.....	3	17
Motors	1	4
Motor, Modulation, Damper Arm	11	54
Motor, Modulation	11	55
Motor, Modulation, Shaft Extension.....	11	54.1
Motor Mounting Plates	1	3
Motor Overload Heaters	10	52
Motor Stands.....	1	5
Motor Starters	9	51
Panel Box Bodies	6	35
Panel Box Chassis	5	28
Panel Box Doors	5	26
Panel Box Door Latch and Knob	5	27
Panel Box Hinged Tops.....	7	37
Panel Box Mounting Wall Brackets	6	36

(b)

<u>DESCRIPTION</u>	PAGE NUMBER	ITEM NUMBER
Perforated Inner Cylinder Assemblies	3	13

Regulators, Gas Pressure	5	24
Relay	8	49
Relay, Time Delay	11	53
Scanners	1	6
Sight Glass	2	8
Switch, Air Flow	6	33
Switch, Gas Pressure, High	3	15
Switch, Gas Pressure, Low	3	14
Switches, Toggle	8	46
Terminal Strip Components.....	6	31
Transformer, Ignition	6	30
Transformer Standoff Bracket	6	29
Valve Bodies, Gas.....	4	20
Valve Operator, Gas.....	4	21
Valve, 3 Way Air	6	32
Valve, Gas Butterfly	11	59
Valve, N.O. Vent	5	22
Valves, Solenoid Gas	4	19

(c)
INSTRUCTIONS FOR ORDERING

1. Always specify model and serial number of burners.
2. Include nameplate information, such as model, range, voltage, etc..

MINIMUM BILLING \$50.00 NET PLUS TRANSPORTATION CHARGES

**IDENTICAL ITEMS MAY NOT ALWAYS BE AVAILABLE
BUT ITEMS OF EQUAL OR BETTER QUALITY WILL BE FURNISHED**

ALL PUBLISHED PRICES SUBJECT TO CHANGE WITHOUT NOTICE

2 IMPELLERS (Standard is Mild Steel, Stainless Steel is Optional)

G20702	142Q
G20703	142.5Q
G20722	144Q
G20732	193Q
G20742	194Q
G20752	195Q
G20762	222.5Q
G20772	224Q

3 MOTOR MOUNTING PLATES

G21000	CX142 - CX142.5Q
G21000	CX144Q
G21001	CX193Q
G21001	CX194Q
G21002	CX195Q
G21003	CX222.5Q
G21004	CX224Q

4 MOTORS - 3450 RPM - TEFC 208-460/3/60

05910 1 HP 56 FR
05911 1 1/2 HP 143 FR
05912 2 HP 145 FR
05913 3 HP 182 FR
05914 5 HP 184 FR
05915 7 1/2 HP 213 FR
05916 10 HP 215 FR

5 MOTOR STANDS

G21005	CX142-144Q
G21006	CX193Q
G21006	CX194-195Q
G21007	CX222.5-224Q

6 SCANNERS - U.V.

40320 C7027A-1023 Honeywell

7 AIR INLET PLATES

G20000	CX15-20
G20010	CX25-40
G20001	CX15-20 with U.V.
G20011	CX25-40 with U.V.
G20020	CX60
G20021	CX60 with U.V.

8 SIGHT GLASS

X09910 2 1/2" Sq.

9 AIR INLET PLATE SPACERS (Need 4 per Burner)

G10921 CX15-20 1/2"

G10920 CX25-40 3/4"
G10922 CX60 1 3/8"

10 BURNER HEADS

NATURAL GAS

99500 CX15-20
99501 CX25-30
99502 CX40
99503 CX60

PROPANE

99510 CX15
99511 CX20
99512 CX25
99513 CX30
99514 CX40
99515 CX60

11 IGNITION ELECTRODES

X04236 CX15-20
X04232 CX25-40
X04234 CX60

12 FLAME RODS

X04235 CX15-20
X04231 CX25-40
X04233 CX60

13 PERFORATED INNER CYLINDER ASSEMBLIES

G20400 CX15
G20410 CX20
G20420 CX25-30
G20430 CX40
G20440 CX60

14 LOW GAS PRESSURE SWITCH

16330 LGP-A 2" - 14" Antunes, Manual Reset

15 HIGH GAS PRESSURE SWITCH

16345 HGP-A 2" - 16" Antunes, Manual Reset

16 **COMPANION FLANGES**

85011 1 1/2" For CX15

85013 2" For CX20

85019 2 1/2" For CX25

85020 3" For CX30

85025 4" For CX40

G15000 6" (tapped-no locknut required) For CX60

17 **LOCKNUTS**

85054 1 1/2" For CX15

85055 2" For CX20

85056 2 1/2" For CX25

85057 3" For CX30

85058 4" For CX40

18 **MANUAL AND LEAKAGE SHUTOFF COCKS**

MILWAUKEE FULL PORT BUTTERFLY VALVES

27440 BB2-100 3/8"

ITEM NO	PART NUMBER	DESCRIPTION
	27445	BB2-100 1/2"
	27450	BB2-100 3/4"
	27455	BB2-100 1"
	27460	BB2-100 1 1/4"
	27465	BB2-100 1 1/2"
	27470	BB2-100 2"
	<u>MODEL 50 COMBU BALL VALVES</u>	
	98008	3/8"
	98013	1/2"
	98018	3/4"
	98020	1"
	<u>MODEL 68 COMBU BALL VALVES WITH TWO TAPPINGS</u>	
	98024	1"
	98031	1 1/2"
	98036	2"
19	<u>SOLENOID GAS VALVES</u>	
	20243	U-28-76-21-12 3/8" 10 PSI Alcon Pilot Valve
	28001	K3A442S 1/2" 1/2 PSI G.C.
	28005	K3A452S 3/4" 1/2 PSI G.C.
	28025	K3A462S 1" 1/2 PSI G.C.
	28050	K3A782S 1 1/2" 1 1/2 PSI G.C.
	28110	S261SA02N3JK4 2" 15 PSI G.C.
20	<u>GAS VALVE BODIES</u>	
	19230	V5055A-1004 1"
	19250	V5055A-1020 1 1/2"
	19260	V5055A-1038 2"
21	<u>GAS VALVE OPERATOR</u>	
	19070	V4055A-1098 13 Seconds On/Off with Damper Arm Shaft
22	<u>N.O. VENT VALVES</u>	
	28401	K10CB1391B 3/4"
	28450	S262SA02N3FJ5 1"
24	<u>GAS PRESSURE REGULATORS</u>	

ITEM NO	PART NUMBER	DESCRIPTION
	30140 R400S 3/8"	
	30142 R400S 1/2"	
	30035 RV-53 3/4"	
	30050 RV-61 1"	
	30070 RV-81 1 1/2"	
25	<u>LOW FIRE ADJUSTMENT COCKS WITHOUT HANDLE</u>	
	98008 3/8"	
	98013 1/2"	
	98018 3/4"	
	98020 1"	
26	<u>PANEL BOX DOORS</u>	
	E20112	15 1/2" x 17"
	E20122	15 1/2" x 24"
	E20132	15 1/2" x 34"
	E20134	15 1/2" x 42"
	E20147	24" x 34"
	A10408	36" x 34"
27	<u>DOOR LATCH AND KNOB</u>	
	91050	Southco Latch
28	<u>PANEL BOX CHASSIS</u>	
	E10302	15 1/2" x 17"
	E10311	15 1/2" x 24"
	E10321	15 1/2" x 34"
	E10325	15 1/2" x 42"
	E10371	24" x 34"
	E10362	36" x 34"
29	<u>TRANSFORMER STANDOFF BRACKET</u>	
	A10280	Ignition
30	<u>IGNITION TRANSFORMERS</u>	
	32000	120/6000 Volt
	32400	Spark Generator (UV Only)
31	<u>TERMINAL STRIP COMPONENTS</u>	

ITEM NO	PART NUMBER	DESCRIPTION
	61035	KT3 3-Pole 600 Volt Connectron Terminal block
	61036	KAD End Mounting Adaptor
	61037	MT 12 1/2" Marking Strip
32		<u>3 WAY AIR VALVE</u>
	X02508	Alcon U-31-39-22-12
33		<u>AIR FLOW SWITCH</u>
	17110	SMD 1206067 Antunes
34		<u>GROUNDING LUG</u>
	61040	87-701
35		<u>PANEL BOX BODIES</u>
	E20034	15 1/2" x 17"
	E20044	15 1/2" x 24"
	E20049	15 1/2" x 34"
	E20065	15 1/2" x 42"
	E20070	24" x 34"
	E20071	36" x 34"
36		<u>PANEL BOX WALL MOUNTING BRACKETS</u>
	E10631	Left
	E10641	Right
37		<u>PANEL BOX HINGED TOPS</u>
	E20041	24"
	A20960	34"
	A21064	42"
	A21449	34"
	E10017	17" Blank Top - For Auxiliary Panel
38		<u>DAMPER ASSEMBLIES (Butterfly)</u>
	G90000	CX 1 1/2" For CX15
	G90005	CX 2" For CX20
	G90011	CX 2 1/2" For CX25
	G90016	CX 3" For CX30

ITEM NO	PART NUMBER	DESCRIPTION
	G90021	CX 4" For CX40
	G90031	CX 6" For CX60
39	<u>DAMPER MODULATING MOTOR MOUNTING BRACKETS</u>	
	B11680	M934
	M10601	M436
40	<u>DAMPER MODULATING MOTOR HEAT SHIELD INSULATION</u>	
	G12052	M934 Modulating Motor Insulation
	G12053	M436 Damper Motor Insulation
41	<u>DAMPER MODULATING MOTOR INSULATION COVERS</u>	
	G12050	M934 Modulating Motor Cover
	G12051	M436 Damper Motor Cover
42	<u>GAS BUTTERFLY NIPPLE ASSEMBLIES</u>	
	G20600	3/4" x 6"
	G20610	1" x 8"
	G20615	1 1/4" x 8"
	G20620	1 1/2" x 8"
44	<u>IGNITION CABLE</u>	
	10 Foot Ignition Cable Consisting of -	
	Y08000	#14-19 GTO 15,000 Volt Cable with
	93111	#CT-11 Rajah Cage Terminal
	X09927	#2 Rajah Ring Terminal
	Y08001	HV 16-10 (Optional) High Temperature 10 Foot Cable
45	<u>FLAME ROD CABLE</u>	
	Y08016	10 Foot 16 TEW Red Wire
46	<u>TOGGLE SWITCHES</u>	
	14040 S.P.S.T.	
	14030 D.P.D.T No Center Off	

ITEM NO	PART NUMBER	DESCRIPTION
47	<u>SIGNAL LIGHTS</u>	
	<u>1" LIGHTS</u>	
	65500	White
	65510	Amber
	65520	Red
	<u>1/2" LIGHTS</u>	
	65570	Red
	65571	Amber
	65573	Green
48	<u>FUSE AND HOLDER</u>	
	93489	No. BG3011SQ 1 Pole 15 Amp Bussman Fuse Block
	93579	SC-6 6 Amp 300 Volt Time Delay Fuse
49	<u>RELAY</u>	
	55462	RM303615 3PDT
50	<u>FLAME SAFEGUARD CONTROLS</u>	
	<u>HONEYWELL</u>	
	<u>R7795 SERIES</u>	
	<u>CONTROLS AND SUBBASE LESS TIMING CARD</u>	
	40002	Q795A-1004 (4 Sides)
	39390	R7795A-1001
	39391	R7795B-1009
	<u>TIMING CARDS</u>	
	40751	ST795A-1031 30 Seconds
	40752	ST795A-1056 90 Seconds

ITEM NO	PART NUMBER	DESCRIPTION
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R7895 SERIES

CONTROLS AND SUBBASE LESS TIMING CARD

40091 Q7800 Subbase
39390 RM7895A-1014

AMPLIFIERS

40690 R7847A-1033 Non-Self Check Rectification
40695 R7849A-1023 U.V. Rectification

TIMING CARDS

40771 ST7800A-1039 30 Seconds
40772 ST7800A-1062 90 Seconds

51 MOTOR STARTERS

56610 22011CEB330AA (3 Pole, 30 Amp)
56615 22011CEB340AA (4 Pole, 30 Amp)

52 MOTOR OVERLOAD HEATERS

	Amps	
	<u>Min.</u>	<u>Max</u>
56624 G30T16	.813	.897
56625 G30T17	.898	.995
56626 G30T18	.996	1.10
56627 G30T19	1.11	1.22
56628 G30T20	1.25	1.33
56630 G30T21	1.34	1.48
56631 G30T22	1.49	1.63
56635 G30T23	1.64	1.80
56636 G30T24	1.81	2.00
56640 G30T25	2.01	2.21
56645 G30T26	2.22	2.45
56646 G30T27	2.46	2.70
56650 G30T28	2.71	3.00
56655 G30T29	3.01	3.31
56660 G30T30	3.32	3.70
56661 G30T31	3.71	4.13

ITEM NO	PART NUMBER	DESCRIPTION		
	56731 G30T32A		4.14	4.37
	56665 G30T32		4.38	4.75
	56670 G30T33		4.76	5.12
	56671 G30T34		5.13	5.57
	56675 G30T35		5.58	6.03
	56680 G30T36		6.03	6.54
	56685 G30T37		6.55	7.50
	56732 G30T37A		7.51	8.42
	56686 G30T38		8.43	9.45
	56687 G30T39		9.46	10.50
	56690 G30T40		10.60	11.80
	56695 G30T41		11.90	13.20
	56696 G30T42		13.30	14.80
	56698 G30T44		14.90	16.60
	56733 G30T44A		16.70	18.60
	56734 G30T45A		18.70	20.90
	56735 G30T46A		21.00	22.60
	56736 G30T47A		22.70	24.20
	56737 G30T48A		24.30	26.20
	56738 G30T49A		26.30	28.30
	56739 G30T49B		28.40	30.50
	56740 G30T50A		30.60	33.10
	56719 G30T54		39.30	44.00
	56720 G30T55		44.10	49.30

53 TIME DELAY RELAY

55642 THC105SC Airtronics 5 Second Delay on Make Module

54 MODULATION MOTOR DAMPER ARM

P82110 3/8" Crank Arm

P82120 1/2" Crank Arm

54.1 MODULATION MOTOR SHAFT EXTENTION

M89100 For M9174C-1025

55 MODULATION MOTOR

06025 M9174C-1025

56 LINKAGE ROD

Y00470 5/16" Push Rod (16")

ITEM NO	PART NUMBER	DESCRIPTION
57	<u>BALL JOINT</u>	
		91100 Swivel
58	<u>DAMPER MOTOR AND ARM</u>	
		06020 M436A-1090 (For Low-High-Low Systems)
		06025 M9174C-1025 (For Modulating Systems)
		06056 Crank Arm for M436A
	M90001	Crank Arm for M9174C
	M10080	Crank Arm Extension for M436A
59	<u>GAS BUTTERFLY VALVES</u>	
	M90050	PF-RP 3/4"
	M90055	PF-RP 1"
	M90065	PF-RP 1 1/2"
	M90070	PF-RP 2"
60	<u>BLOWER COMPANION FLANGES</u>	
		85025 4"
	X00010	6"
		85035 8"
61	<u>BLOWER COMPANION FLANGE GASKETS</u>	
		96012 4"
		96013 6"
		96014 8"
62	<u>FRESH AIR INTAKES (Optional)</u>	
	A21294	CX15-20
	A21295	CX25-40
	A21462	CX60