

CONTROLS SELECTION CHART

LEGEND

> : Greater Than < : Less Than

MAR: MARGINAL Least suited for optimal performance and / or favorable payback.

OPT: OPTIONAL Generally less suited for optimal performance and / or favorable payback.

REC: RECOMMENDED Generally best suited for optimal performance and / or favorable payback.

DIRECTIONS: Use this chart to choose the best suited controls for your application. Pay careful attention to notes (super-scripted numbers in parentheses) in column headings and sub-headings. All you need is capacity of your boiler(s), average run time, and average duty cycle to find the best controls for your boiler(s).

NOTES: 1. The FLAMEPAC can also be programmed as a fully metered cross-limited control system, which is why it is recommended for the larger water tubes.

2. Available as an integral component of the Autoflame MK6 control system. Lead / Lag control available for up to 10 boilers.

3. Available as an integral component of the Cleaver-Brooks Hawk ICS control system. Lead / Lag control available for up to 8 boilers.

				FIRING RATE CONTROL						WATER LEVEL CONTROL				FAN CONTROL ^(2,3)	O2 TRIM CONTROL ^(2,3)	LEAD / LAG CONTROL ^(2,3)			
TYPE OF BOILER		BOILER CAPACITY	RUN TIME HR / YEAR	FLAMEPAC DELVAL		AUTOFLAME		HAWK ICS	FLAMEPAC ⁽¹⁾		LEVEL PAC		LEVEL MASTER	VSB DELVAL	O2 TRIM DELVAL	353L DELVAL			
			DUTY CYCLE % FIRING RATE			MK6 EVO	MINI MK5 EVO	CB					CB						
				1 ELEMENT	2 ELEMENT				1 ELEMENT	2 ELEMENT	1 ELEMENT	2 ELEMENT				UP TO 5 BOILERS			
FLEX TUBE		>200 HP	ANY	ANY	OPT	MAR	MAR	REC	MAR	MAR	MAR	MAR	MAR	REC	MAR	MAR	MAR		
FIRETUBE		<200 HP	<4380	ANY	OPT	MAR	MAR	REC	MAR	MAR	MAR	MAR	MAR	REC	MAR	MAR	OPT		
			>4380	<50	OPT	MAR	MAR	REC	MAR	MAR	MAR	MAR	MAR	MAR	REC	REC	MAR	REC	
				>50	OPT	MAR	OPT	REC	MAR	MAR	MAR	OPT	MAR	REC	OPT	MAR	REC		
FIRETUBE		>250 HP	<4380	ANY	OPT	MAR	OPT	OPT	MAR	MAR	MAR	MAR	MAR	REC	MAR	MAR	OPT		
			>4380	<50	OPT	MAR	OPT	OPT	OPT	OPT	MAR	OPT	MAR	REC	REC	OPT	OPT		
				>50	OPT	MAR	REC	OPT	REC	REC	MAR	REC	MAR	REC	OPT	REC	REC		
FIRETUBE		>400 HP	<4380	ANY	REC	MAR	MAR	MAR	MAR	MAR	MAR	OPT	MAR	REC	MAR	MAR	REC		
			>4380	<50	REC	MAR	OPT	MAR	OPT	OPT	MAR	REC	MAR	REC	REC	OPT	REC		
				>50	REC	MAR	REC	MAR	REC	REC	MAR	REC	MAR	REC	OPT	REC	REC		
WATER TUBE		<16,000 PPH	<4380	ANY	REC	OPT	MAR	MAR	MAR	MAR	MAR	REC	MAR	N/A	MAR	MAR	REC		
			>4380	<50	REC	OPT	OPT	MAR	OPT	OPT	OPT	REC	MAR	N/A	REC	OPT	REC		
				>50	REC	OPT	REC	MAR	REC	REC	OPT	REC	MAR	N/A	OPT	REC	REC		
		WATER TUBE		>16,000 PPH <36,000 PPH	<4380	ANY	REC	OPT	MAR	MAR	MAR	MAR	OPT	REC	OPT	N/A	MAR	OPT	REC
					>4380	<50	REC	OPT	OPT	MAR	OPT	OPT	OPT	REC	OPT	N/A	REC	OPT	REC
						>50	MAR	OPT	REC	MAR	REC	MAR	OPT	REC	REC	N/A	OPT	REC	REC
WATER TUBE		>36,000 PPH <100,000 PPH	ANY	<50	MAR	REC	MAR	MAR	MAR	MAR	REC	REC	REC	N/A	REC	REC	REC		
			>50	MAR	REC	MAR	MAR	MAR	MAR	REC	REC	REC	N/A	OPT	REC	REC			
WATER TUBE		>100,000 PPH <150,000 PPH	ANY	<50	MAR	REC	MAR	MAR	MAR	MAR	REC	REC	REC	N/A	REC	REC	REC		
			>50	MAR	REC	MAR	MAR	MAR	MAR	REC	REC	REC	N/A	OPT	REC	REC			