

De Dietrich Gas310 Boiler Startup Form

Installation & Location Details

Location Name		Date Installed	
Address		Installer Name	
City-Town	Prov-State	Company	
Country	Mail Code	Phone #	

Equipment Information

Boiler Model		Serial #		CRN #	
Control		Serial # & SW			
Premix Burner		Type		Motor Voltage	
Fuel Train				Size	
Firing & Signal	ON/OFF	LFS	2 Stage	Full Mod.	
Boiler Pump				Voltage	
Relief Valve		Size		CRN #	
LWCO					
Venting Details					

Settings & Recordings

Fuel Type	Natural Gas								
	MIN	MAX	Unit		MIN	MAX	Unit	Firing Input Range	Unit
Air Setting - Index				CO ₂				Min Rate	
Static Gas Pressure				O ₂				Max Rate	
Fuel Supply Pressure				CO				Gross Combustion Effy % @ High-fire	
Fuel Pressure				NO _x					
Breech Pressure				Flame Signal					
P- trap filled				Flue Temp.					
Return/Supply Temp.				Ambient					

Safety Checks

	Setting	Tested		Setting	Tested		Setting	Tested
Aux Safety Hi-Limit			Low water control			Vent sw.		
Internal Hi-Limit			LGP & HGP sw.			Lockout		
Internal operating Limit			VPS device			Vent sw.		
Firing Control			Air pressure sw.					

Analyzer Print outs

Note:

DDR Americas Inc.



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Toll Free: 1.800.943.6275
Website: www.dedietrichboilers.com

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1054 North DuPage Avenue
Lombard, Illinois, USA 60148
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De Dietrich Boiler Control and Auxiliary Control Settings – System Checks & Recordings

Boiler Control


Boiler Model		Serial #	
Burner Model		Serial #	
Control			

GAS310 Eco Series – MCBA ABC® Digital Control Settings & Recordings

User Settings

1.	Operating limit set-point 20-90°C [68-194°F]		A.	Boiler control setting On/Off, 2 stage, Mod or 0-10v temperature 0-10v output	
2.	Pump purge of pump timing (value x 10 = seconds)				

Advanced Settings Mode

4.	Min. fan speed (hundreds)		Only accessible in Service mode 	d.	Shunt pump post purge time	
5.	Min. fan speed (units)			E.	ΔT control stop to start value	
6.	Max. fan speed (hundreds)			F.	Max. flue gas temperature	
7.	Max. fan speed (units)			G.	Safety Hi-limit temperature	
8.	Part load running time (value x 10 secs)			H.	ΔT Modulating start point	
9.	Cycle prevention delay (value x 10 secs)			I.	Min. water pressure (option)	
a.	Temp or output @ 0v			J.	Control options (sum)	
b.	Temp or output @ 10v			L.	Low fan speed with H/L option	
C.	Switch point for H/L operation (rpm)			P.	Boiler type	

Routine System Checks

Responsibility	f	Description	Recommended Schedule
User/Serviceman		Control function (safety limits & operating limits checks)	Monthly
User/Serviceman		Evidence of leaks	Monthly
User/Serviceman		Combustion air supply – contamination or blockage	Monthly
User/Serviceman		Water system flow, pumps, pressure, relief valve, water quality	Monthly
User/Serviceman		Condensate trap, drain (neutralizer if equipped)	Monthly
Service person		Gas lines leaks	Annually
Service person		Venting & Intake or exhaust terminals checks (debris or blockage)	Annually
Service Person		Combustion – combustion chamber cleaning	Annually

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