

Carlin Burner Specifications - Buderus G115 Boilers

Rev. 02/16/05

Boiler Model	Burner Model	Flow Rate GPH	Input Btu / Hr	Blast Tube Insertion Depth	PSIG	Air Band	Nozzle D=Delavan H=Hago M=Monarch	EZ-1 Head Position Bar	Appx Gross Stack Temp° F	Over-fire Press in. W.C. (base on breeching press shown)	Breech Pressure in. W.C.
115-21	C-EZ-1HP	0.60	84,000	4"	150	0.50	D .50 .70° A	0.50	320	Positive 0.01	-0.02
115-28	C-EZ-1HP	0.80	112,000	4"	150	0.65	H .65 .60° ES	.60 / .65	330	Positive 0.02	-0.02
115-34	C-EZ-1HP	1.00	140,000	4"	150	0.85	D .85 .60° B	0.85 / 1.0	430	Positive 0.03	-0.02
115-21	P-10	0.60	84,000	4"	150	0.40	D .50 .70° A	0.50	340	**	**
115-28	P-10	0.80	112,000	4"	150	0.65	H .65 .60° ES	.60 / .65	340	**	**
115-34	P-10	1.00	140,000	4"	150	0.85	D .85 .60° B	0.85 / 1.0	400	**	**

Riello Burner Specifications - Buderus G115 Boilers

Boiler Model	Burner Model	Flow Rate GPH	Input Btu / Hr	Blast Tube Insertion Depth	PSIG	Air Band	Nozzle D=Delavan H=Hago M=Monarch	Head Setting Turbolator	Appx Gross Stack Temp° F	Over-fire Press in. W.C. (Base on breeching press shown)	Breech Pressure in. W.C.
115-21	40 - F3	0.60	84,000	6.0"	145	2.25	D .50 80° B	0.00	350	0	-0.03
115-28	40 - F3	0.80	112,000	6.0"	145	3.50	D .65 60° B	2.00	365	0	-0.03
115-34	40 - F5	1.00	140,000	10.0"	145	2.50	D .85 60° B	2.00	360	0	-0.03
115-21	40 - BF3	0.60	84,000	6.0"	145	3.50	D .50 80° W	0.00	315	**	**
115-28	40 - BF3	0.80	112,000	6.0"	145	5.50	D .65 60° W	3.00	310	**	**
115-34	40 - BF5	1.00	140,000	10.0"	145	4.50	D .85 60° W	3.00	350	**	**

Beckett AFG Burner Specifications - Buderus G115 Boilers

Boiler Model	Burner Model	Flow Rate GPH	Input Btu / Hr	Blast Tube Insertion Depth	PSIG	Air Band	Nozzle D=Delavan H=Hago M=Monarch	Head Setting * Head type	Appx Gross Stack Temp° F	Over-fire Press in. W.C. (base on breeching press shown)	Breech Pressure in. W.C.
115-21	AFG	0.60	84,000	6.25"	150	10/0*	H .50 45° B	* L - 2	349	Positive 0.03	-0.02
115-28	AFG	0.80	126,000	6.25"	150	8/0*	H .65 60° B	* L - 2	280	Positive 0.01	-0.04
115-34	AFG	1.00	140,000	6.25"	140	10/2*	H .85 60° B	* L - 2	398	Positive 0.07	-0.035
115-21	NX	0.60	84,000	4. 7/8"	150		D .50 60° W	1.00	315	**	**
115-28	NX	0.80	126,000	4. 7/8"	175		D .60 60° B	2.50	310	**	**
115-34	NX	1.00	140,000	4. 7/8"	175		D .75 60° B	2.25	350	**	**

* Shutter/Band Settings.

Blast tube insertion depth - Measured from tip of end cone to flange gasket.

¥ Over-fire pressure are measured at the measuring plug adjacent to the sight glass.

Set breeching pressure to -.02 to -.03 in. w.c. Above settings were established with baffles in place on all models.

** Over-fire and breeching pressures depend on length of venting used in direct vent cases.

Note - All Riello burners now have 10" blast tube.

"ALWAYS KEEP THE MANUAL FUEL SUPPLY VALVE SHUT OFF IF THE BURNER IS SHUT DOWN FOR AN EXTENDED PERIOD OF TIME."