



# ULTRA II® BURNER

“Total Air” Multi-fuel Combustion System

The Genco Ultra II is a completely packaged, multi-fuel aggregate combustion system for rotary dryers. The Ultra II has all the features of the proven Ultraflame burner, plus the added technology of better flame-shaping characteristics with clean, efficient burning. The Ultra II is better adapted to counterflow dryers because it produces a more powerful, penetrating flame.

The Ultra II offers:

- Simplified maintenance
- More efficient, low horsepower requirements
- The most compact size available to the industry
- Low NOx
- Increased reliability

## APPLICATION

The Genco Ultra II burner can be applied to any rotary drying process requiring 25 million to 150 million BTU/HR of heat release. Use of the Ultra II with your present process will give you the benefit of the “total air” system. The system not only reduces combustion noise, it also provides total and efficient combustion of conventional fuel - whether oil, gas or LP.



With no requirement for refractory, and designed in a compact package, the Ultra II is ideal where weight and size are critical. The Ultra II is a “mini-skid mounted” design for simple mounting to most conventional rotary dryers.

## STANDARD FEATURES

- NFPA compliance fuel trains (oil and LP)
- Fuel/air modulating valve
- Fuel and air pressure gauges
- Fuel oil temperature gauges
- Burner junction box wired for tri-fuel arrangement
- Ignition transformer

- Pilot burner assembly
- Two-stage quarl
- Slip seal ring for mating to dryer
- Modulating drive motor (actuator)
- Flame scanner (when using GenControls)
- Rugged steel construction
- Compact, completely packaged
- Compressed air atomization for burning all commercially available grade of fuel oil
- Standard 230/460 voltage
- Low noise to aid in OSHA compliance



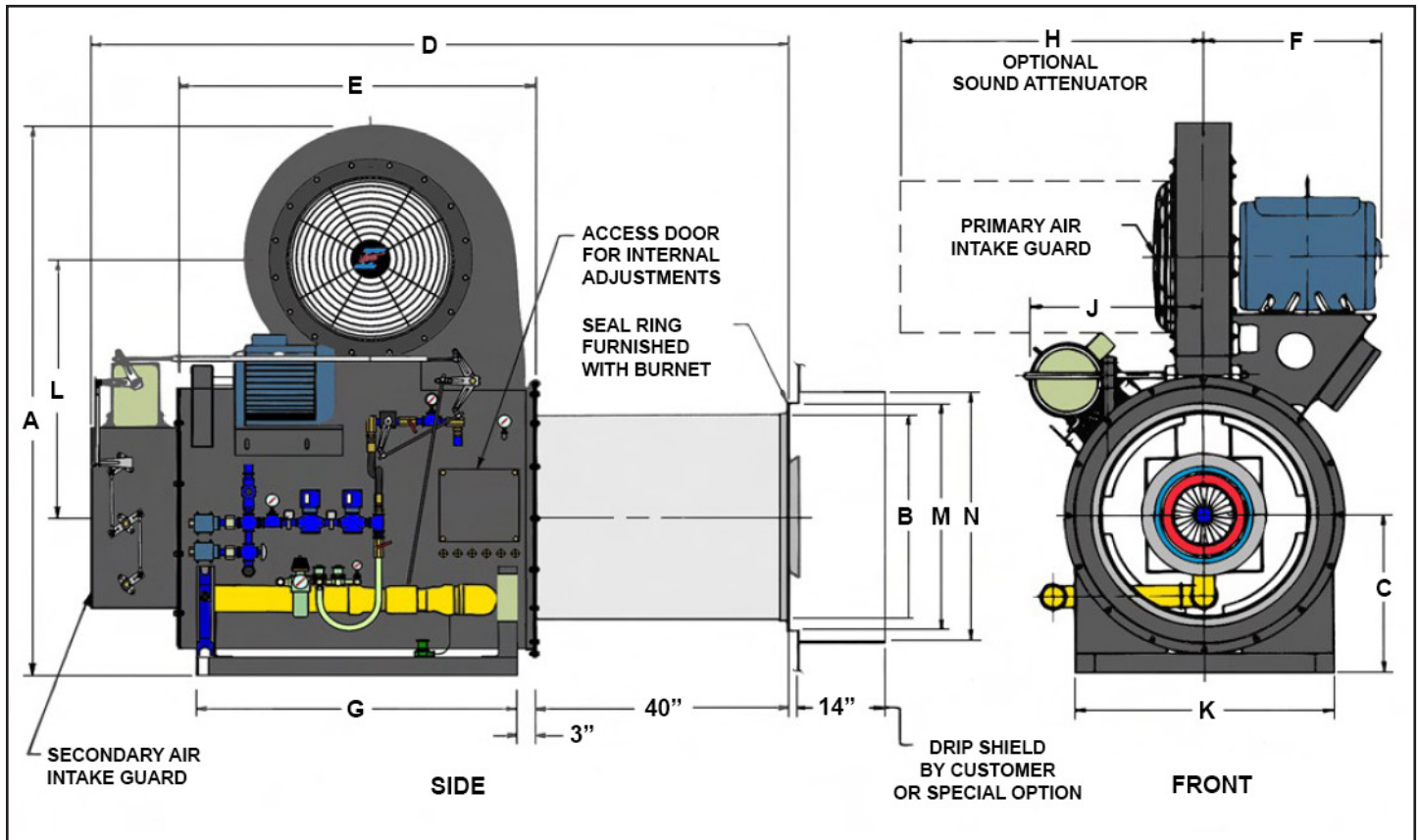
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# ULTRA II® SERIES BURNER

## OPTIONS

- Dual fuel control for burning a liquid and a gaseous fuel simultaneously
- Motor starters
- Conversion kits for other fuels
- Color
- Alternate motor voltages or frequency available
- Left hand or right hand piping
- Mounting arrangements
- Control options
- Sound inlet attenuator
- NFPA gas train
- High altitude package



TABULATED DIMENSIONS (in inches)													N		ENGINEERING SPECIFICATIONS					
Burner	A	B	C	D	E	F	G	H	J	K	L	M	MIN	Recom.	BTU/M.M	C.F.M. x 1000	High Pressure Motor HP	Exhaust App C.F.M.	HI Alt-50HZ Motor	HP
UFII-25	80 13/16	22	21 1/2	103 3/16	49	21	45	64 1/8	25 1/2	34	37 3/4	24 1/4	27	36	25	5	15	14,300	25	5
UFII-40	80 13/16	22 1/2	21 1/2	103 3/16	49	22 3/4	43	64 1/8	25 1/2	34	37 3/4	26 3/4	30	36	40	8	25	23,000	40	7 1/2
UFII-55	84 5/16	25	23 1/4	105 3/16	51	24 7/8	45	64 1/8	27	37	39 1/2	29 1/4	34	36	55	11	40	31,500	60	10
UFII-70	84 5/16	27	23 1/4	105 3/16	51	24 7/8	45	64 1/8	27	37	39 1/2	31 1/4	36	48	70	14	40	40,000	60	15
UFII-85	88 5/16	33	25 1/4	111 3/16	57	25 1/4	51	64 1/2	27 3/4	41	41 1/2	37 1/4	40	48	85	17	50	48,000	75	20
UFII-100	88 5/16	36	25 1/4	111 3/16	57	25 1/4	51	66	27 3/4	41	41 1/2	40 1/4	44	48	100	20	60	60,000	100	20
UFII-135	97 5/16	40	29 3/4	114 11/16	60 1/2	27 1/4	54 1/2	68 1/4	31 5/8	50	46	44 1/4	49	58	135	27	75	74,000	125	30
UFII-150	97 5/16	45	29 3/4	114 11/16	60 1/2	28 1/4	54 1/2	64 1/2	31 5/8	50	46	49 1/4	53	58	150	30	100	85,250		

Specifications subject to change without notice.  
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