

# Genco® Ultra II®

## “Total Air” Multi-fuel Combustion System

### DESCRIPTION

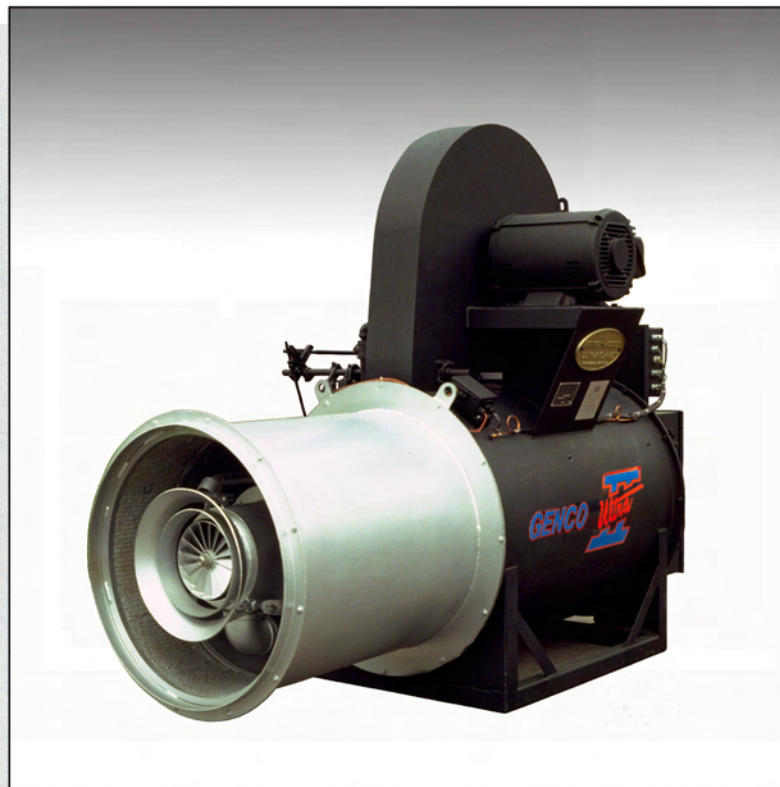
The Genco Ultra II is a completely packaged, multi-fuel aggregate combustion system for rotary dryers. The Ultra II has all the features of the proven Ultraflame burner, plus the added technology of better flame-shaping characteristics with clean, efficient burning. The Ultra II is better adapted to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

- Simplified maintenance
- More efficient, lower 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.

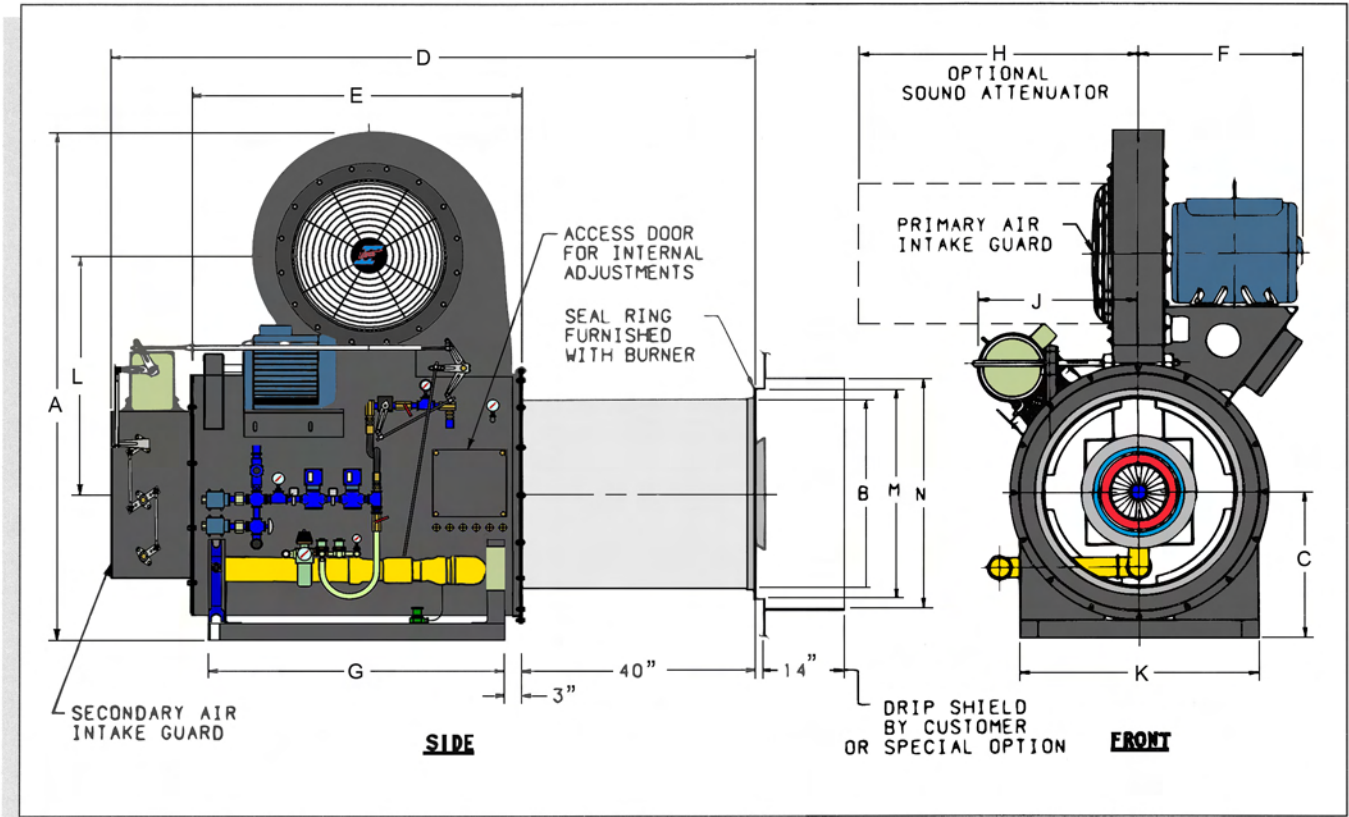
With no requirement for refractory, and designed in a compact package, the Ultra II is ideal where weight and size are critical. The Ultra II is a “mini-skid mounted” design for simple mounting to most conventional rotary dryers.



### 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 grades of fuel oil
- Standard 230/460 voltage
- Low noise to aid in OSHA compliance

# Genco® Ultra II®



TABULATED DIMENSIONS													N		ENGINEERING SPECIFICATIONS							
BURNER	A	B	C	D	E	F	G	H	J	K	L	M	MIN.	RECOM.	BTU/M.	C.F.M. x 1000	MOTOR	H.P.	EXHAUST APP. C.F.M.	HI ALT. - 50KHZ MOTOR	HP	
UFII - 25	80 13/16	22	21 1/2	103 3/16	49	21	43	64 1/8	25 1/2	34	37 3/4	24 1/4	27	36	25	5	15	5	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	7 1/2	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	10	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	15	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	20	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	20	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	30	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	30	85,250			

## OPTIONS

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

Specifications subject to change without notice.  
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## GENERAL COMBUSTION CORPORATION

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