

# INOV8

economic alternative fuel options



## multi-fuel waste oil burning boilers

INOV8 Multi-fuel Boilers provide the most economic means for heating that is available. INOV8's fully listed "stand-alone" burner combined with the world's leading high efficiency oil boiler (85%) makes an unbeatable combination. In-floor radiant heating is up to 40% more energy efficient than hot air heating and it's a cleaner & more comfortable heat. There's no better way to eliminate your waste oils than to use them for fuel in your heating system. With INOV8 burners these boilers provide the same SAFE, CLEAN and RELIABLE features as all INOV8 products.

# INO<sup>V</sup>8

**Combustion Engineering** makes the difference for successfully burning various flashpoint and viscosity waste oil in a conventional boiler. Nearly 20 years of experience combined with patented technology produces these uncompromised results:

- **Economy**—Typical payback periods are within a few years of purchase. The savings exceed anything available. That's because of being able to use more fluids as fuel than in any competitor system, the low operating costs and the life expectancy on the equipment which exceeds 20 years.
- **Clean combustion**—which meets EPA requirements for clean burning and US and Canadian safety and emission standards. The secret is from a combination of higher oil preheat temperature, filtering heated oil, higher oil & air pressures, a needle valve and vapor eliminated from heated oil. The results are "no smoke".
- **Safety**—All INOV8 burners utilize a Fireeye flame control that provides unmatched safety with seven electronic checks, a UV sensor, pre-purge, auto-restart ignition, safety lockout, and main-flame trial-for-ignition. Recent re-certification to the latest US & Canadian standards assures uncompromised safety.
- **Maintenance friendly**—INOV8 boilers were first selected for their convenient hinged door that easily opens to expose interior areas for cleaning. The hotter, cleaner, complete combustion produced by the INOV8 burner leaves a small amount of ash and no soot. Specialty boiler brushes are included with every order.



INOV8 model S200 (above) & Dual-fuel Model G200 (below)



## Boiler Specifications

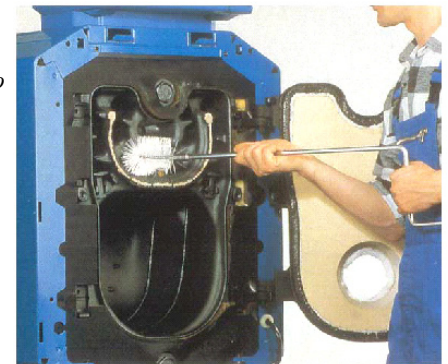
Boiler Model #:	B120	B175	B225	B275	B325	B400	B500	B650	B750	B850	B1050
Oil Input - GPH	.95	1.26	1.53	1.89	2.25	2.70	3.46	4.23	5.04	5.76	7.50
Gross Output	122,400	153,900	186,300	230,400	264,600	315,000	408,600	503,100	596,700	691,200	908,100
Net IBR	107,100	134,100	162,000	200,700	230,400	273,600	355,500	437,400	519,300	601,200	789,300
Overall Boiler Length in inches	33 3/8	31	35 3/4	40 1/2	45 1/2	44 1/4	55 1/2	56 3/4	63 1/4	69 1/2	69
Boiler Block Length	30 1/2	26 3/4	31 1/2	36 1/4	41	38 1/4	44 1/12	50 3/4	57	63 1/2	61
Minimum Boiler Width	18	18	18	18	18	20	20	20	33 1/2	33 1/2	33 1/2
Boiler Width with Jacket	23 1/2	23 1/2	23 1/2	23 1/2	23 1/2	34 3/4	34 3/4	34 3/4	34 3/4	34 3/4	38 1/2
Minimum Boiler Height	33 1/2	34 1/2	34 1/2	34 1/2	34 1/2	34 1/2	34 1/2	34 1/2	34 1/2	34 1/2	52 1/4
Fire Box Depth	25 3/4	21 1/2	26 1/4	31	35 3/4	31	37 1/2	43 3/4	50	56 1/4	52 1/2
Fire Box Diameter	11 1/4	13 1/4	13 1/4	13 1/4	13 1/4	15 3/4	15 3/4	15 3/4	15 3/4	15 3/4	20 1/4
Fire Box Volume (cu. Ft.)	2.21	1.73	2.1	2.48	2.86	5.19	6.39	7.59	8.79	9.99	17.16
Dry Weight (lbs)	476	500	600	700	800	1,197	1,391	1,585	1,779	1,973	3,059
Water Content (gal)	12.9	16.1	19.3	22.5	25.6	37.8	45.2	52.6	60	67.4	77.7
Chimney Diameter	6	8	8	8	10	10	10	10	12	12	12

### Optional Equipment Available:

- Domestic Hot Water Tank (see photo at right)
- Flat Plate Heat Exchanger
- Logamatic Control
- Aquastat, water pumps, valves, other operating controls, etc.
- Oil storage tanks
- Oil boost pumps
- Air compressors



*Cleaning accessibility is made easy with the hinged door on the combustion chamber. The burner mounts on the same door for convenient access to the nozzle and electrodes. The boiler can be thoroughly and properly cleaned in a fraction of the time it takes to clean a conventional boiler. Specialty brushes are included with each boiler.*



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