

HIGH EFFICIENCY CONDENSING BOILERS
COMMERCIAL







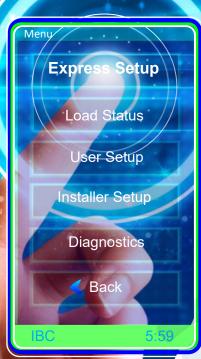


IBC Control at your fingertips

All EX Boilers use our V-10 Touch Screen boiler control which features the latest in advance control technology and software.

Easy to setup and monitor with features like Express Setup, easier Diagnostics & Intuitive Alert System with plain English Warnings & Error Messages, no boiler has ever been easier to use.

Login to the V-10 Portal for Remote access and enjoy *control on the go!* 



#### Interior

- A) Safety Ignition Module (SIM)
- B) Fan
- C) Heat Exchanger
- D) Pressure Sensor
- E) Fuel Mixer
- F) V-10 Controller
- G) Condensate trap
- H) Air Filter Compartment
- I) Combustion Air Intake Duct
- J) Gas Line
- K) Return water
- L) Condensate Drain Outlet
- M) Exhaust
- N) Supply Water





# EXSERIES Suitable for the following

## Suitable for the following projects

- SCHOOLS
- HEALTHCARE FACILITIES
- BARN/FARM BUILDINGS
- SNOW MELT
- RECREATIONAL FACILITIES
- COMMERCIAL GARAGES
- OFFICE BUILDINGS
- FACTORIES / WAREHOUSING
- LARGE RESIDENCES / MULTI-FAMILY HOUSING
- APARTMENT BUILDINGS
- HOTELS



Choosing the right heating system is crucial to maximizing a building's energy savings and environmental impact. The EX Series of commercial high efficiency condensing boilers can help you do just that. 4 Models available: EX 400, EX 500, EX 700, EX 850

**Features** 

#### **Touchscreen Control**

- Express setup program your boiler in seconds with remote monitoring & diagnostics
- Precise burner modulation control
- Easy USB programmability
- Intuitive alert system with detailed error message
- Vast array of performance data for troubleshooting
- Load combining and zoning
- Multi-boiler communication for network applications up to 24 boilers without additional controls
- With 24 networked boilers turndown ratio is 240:1
- End switch, 0-10 VCD or 4-20mA control compatible
- Full BACnet capability included
- Primary pump and zone pump controller up to 4 zones

#### **Built-in Features**

- Unparalleled build quality
- Turndown ratio of 10:1 means you have the power to heat the building in the coldest weather, yet reduce short cycling when the weather is mild
- MFZ Moisture management protocol
- Reverse flow detection
- Outdoor reset control of water temperature

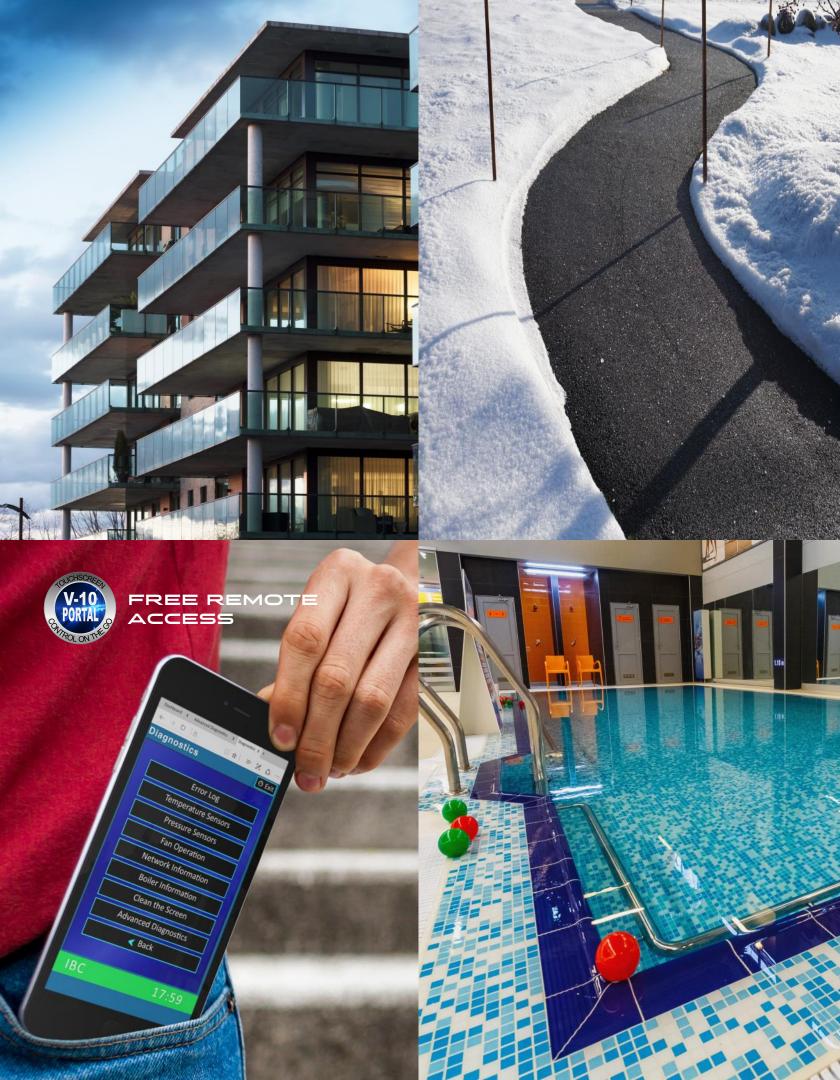
- CSA/UL approved low water cut-off and manual reset high limit
- CSD-1 Compliant
- · Unmatched safety features

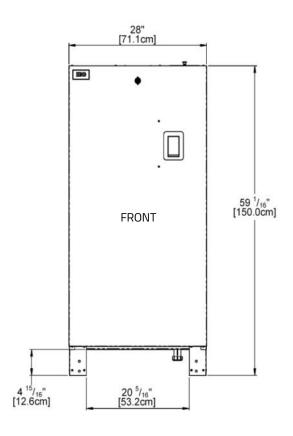
#### Superior Heat Exchanger

- The most advanced stainless steel fire tube boiler on the market today
- High grade 439 stainless steel construction
- Innovative saddle-bolt lit hardware
- Better thermal efficiency up to 97%
- Condensed flue gasses clean vertical flue tubes while draining
- Custom water flow baffling to ensure even heat transfer and long life

### Easy to Install & Service

- PVC/CPVC/PP/SS venting materials approved
- Direct vent lengths up to 170' each side
- Available in either NG or LP factory set or field convertible
- Open access to heat exchanger and all internal components

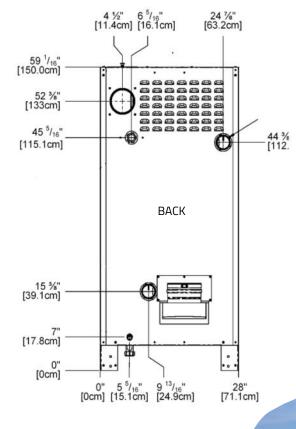


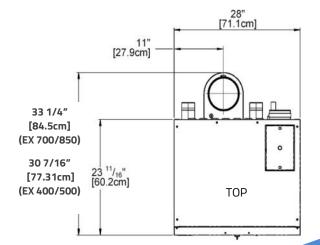




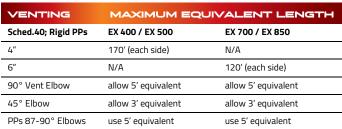
CONNECTIONS			
Connection	EX 400 / EX 500	EX 700 / EX 850	
Flue Outlet	4" Schedule 40	6" Schedule 40	
Combustion Air Inlet	4" Schedule 40	4" Schedule 40	
Water Outlet	2" NPT-M	2 1/2" NPT-M	
Water Inlet	2" NPT-M	2 1/2" NPT-M	
Knock-outs (8)	1/2"	1/2"	
Gas Inlet	1" NPT-F	1" NPT-F	
Condensate Outlet	3/4" Hose	3/4" Hose	

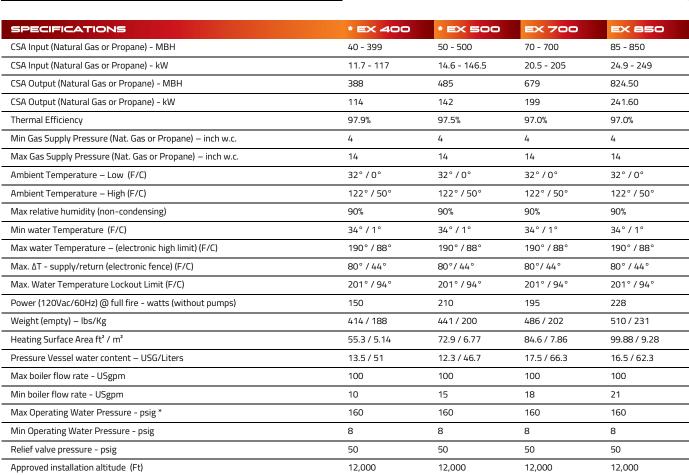
CLEARANCE FROM BOILER CABINET			
Surface	Distance from combustible surfaces	Recommended distance for installation and service	
Front	2"	30"	
Rear flue connection	2"	24"	
Left side	1"	2"	
Right side	1"	4"	
Тор	6"	12" (required for filter replacement	
Bottom	0"	0	











170'

Available in either NG or LP factory set or field convertible

Max equivalent vent length (each side)



170'





120'



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Toll Free: 1-844-HEAT IBC / 1-844-432-8422

All information contained in this brochure is subject to change without notice. Due to clerical error, regulation change or product development please confirm all information with IBC.

120'

