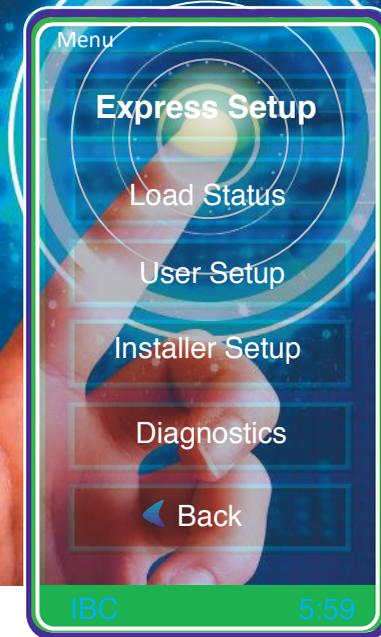


NEW
PRODUCTS



IBC Better
Boilers



Boiler - SL 80-399 x 3
Application - Apartment building, Vancouver, DHW & Radiant heating
Installed by - Milani Plumbing Drainage & Heating, Vancouver, BC



Boiler - SL 80-399 x 2
Application - Porsche River, Sud, Brossard, QC
Snow melt : Side walk & garage ramp
Contractor: Plomberie Daniel Coté, Laval, QC



Boiler - SL 14-115G3
Application - 1900 Sq. ft. 2 Story garage addition to residence
Installed by - Ironclad Mechanical, Edmonton, AB



Matrix Contracting, BC
Boiler - SL 80-399 x 10
Application - Lord Tewwdsmuir Sec. School, BC Retro fit - DHW & Radiant heating.
Installed by - Milani Plumbing Drainage & Heating, Vancouver, BC

Condensing Boilers

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Indirect Hot Water Heaters

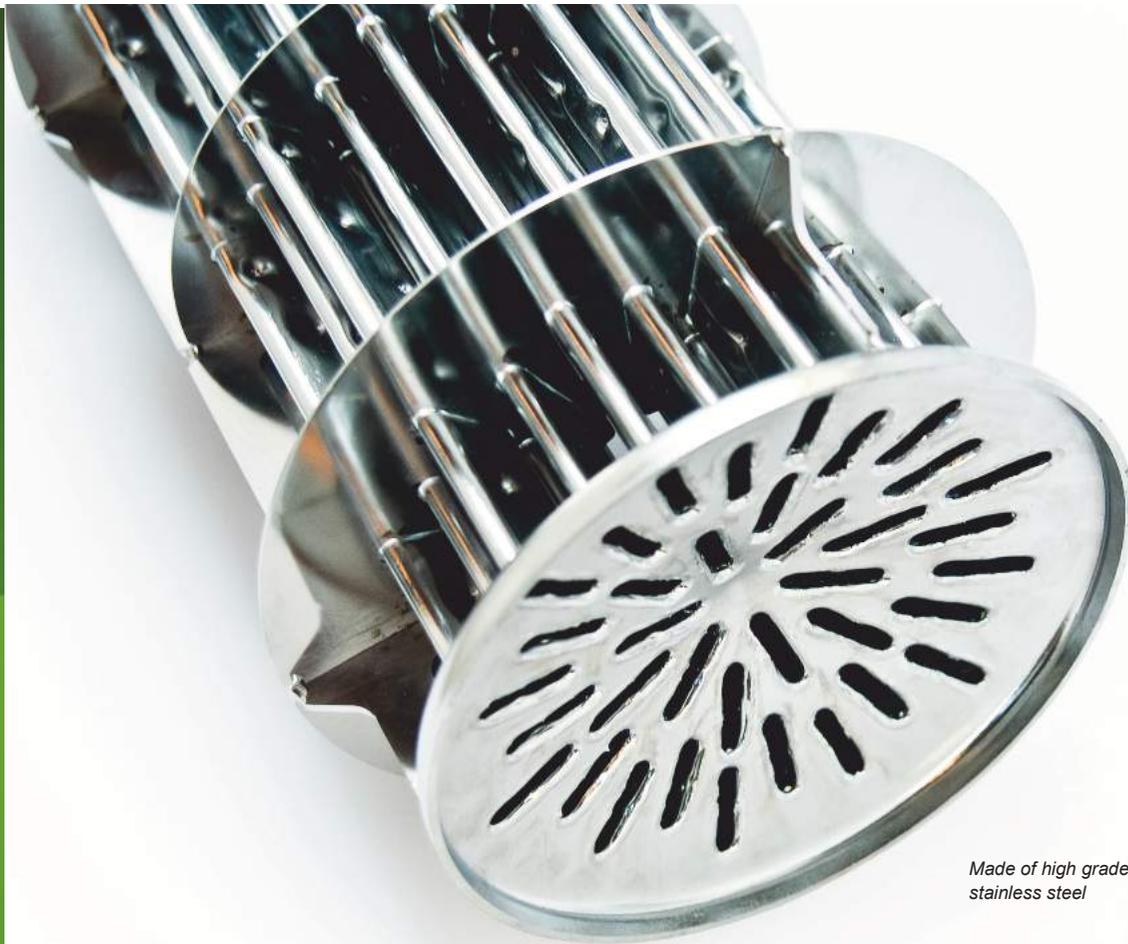
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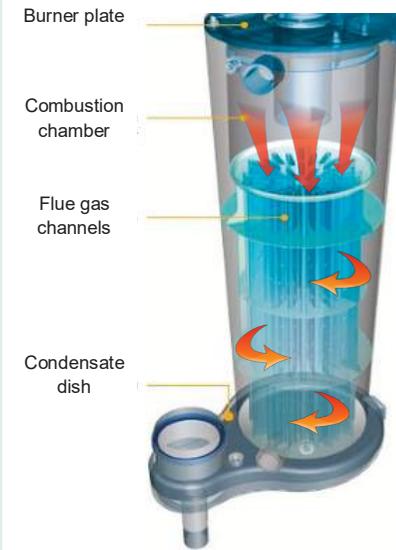


Made of high grade 439 stainless steel

Moisture **F**ree **Z**one
TECHNOLOGY

PATENTED MOISTURE MANAGEMENT SYSTEM

Protects and ensures long life for all components in the boiler.



A MODEL FOR EVERY APPLICATION

The new SL Series G3 retains all the key features of past models and adds many extra including: AFUE of up to 96%, turndown ratio of up to 10:1, built-in CSA/UL approved LWCO and manual reset high limit and PVC/CPVC/PPs approved venting. The V-10 intuitive touchscreen control's added features include load zoning for up to 4 pumps, reverse flow detection, simplified load pairing and built-in flame current measurement.

All 4 residential models now feature supply and return connections on both sides. These models also have an efficient internal layout allowing for easier access to key components for servicing. With more common parts, 2 fans and 1 control servicing all 6 models, installing and servicing just got a lot easier!

SL 10-85G3

10,600 to 85,000 BTU/H

SL 20-160G3

20,000 to 160,000 BTU/H

SL 14-115G3

14,000 to 115,000 BTU/H

SL 30-199G3

32,000 to 199,000 BTU/H

RESIDENTIAL CONDENSING BOILERS

- Touch Screen Boiler Controller: Express setup • Remote monitoring & diagnostics • Easy USB programmability • True native BACnet • Intuitive alert system • Simplified load pairing • Visible flame current.
- Better efficiency 95% AFUE.
- Multiple zone pump control - up to 4 zones. Replacing the need for external pump controls.
- PVC/CPVC/PPs approved - venting up to 480ft on the SL 14-115G3.
- **MFZ Technology:** Patented moisture management system. Protects and ensures long life for all components in the boiler.
- Built-in CSA/UL approved LWCO and manual reset high limit.
- Connect your IBC Indirect Water Tank directly to the boiler without a primary loop.
- Turndown ratio of up to 8:1 means you have the power to heat your home in the coldest weather, yet reduce short cycling when the weather is mild.
- Built-in outdoor reset control of water temperature.
- Reverse flow detection.
- 5 Year limited manufacturer's parts warranty.
- Limited lifetime residential heat exchanger warranty. *See website for details.*

Specifications	SL 10-85G3	SL 14-115G3	SL 20-160G3	SL 30-199G3
CSA Input (Natural Gas or Propane *) - MBH	10.6 - 85	14 - 115	20 - 160	32 - 199
CSA Input (Natural Gas or Propane *) - KW	3.10 - 24.9	4.10 - 33.7	5.86 - 46.9	9.37 - 58.3
CSA Output - MBH	10.1 - 79	13.3 - 109	19.0 - 147	30 - 181.3
CSA Output - KW	2.96 - 23	3.90 - 32	5.57 - 43.1	8.8 - 53.1
A.F.U.E	96%	95%	95%	95%
Min gas pressure (Nat. Gas or Propane) - inch w.c.	4	4	4	4
Max gas pressure (Nat. Gas or Propane) - inch w.c.	14	14	14	14
Power (120Vac/60Hz) - Watts @ full fire - Watts (without pumps)	54	54	73	82
Weight (empty) - lbs/Kg	85/39	85/39	102 / 46.3	152 / 69
Pressure vessel water content - USG/Liters	2.47 / 9.35	2.47 / 9.35	1.72 / 6.51	5.09 / 19.3
Max boiler flow rate - USgpm	14	14	19	22
Min boiler flow rate - USgpm	2	2	4	6
Max operating pressure - psig	30	30	30	30
Min water pressure - psig	8	8	8	8
Approved installation altitude - ASL	0 - 12,000 ft			
Ambient temperature - Low (°F/°C)	32°F / 0°C	32°F / 0°C	32°F / 0°C	32°F / 0°C
Ambient temperature - High (°F/°C)	122°F / 50°C	122°F / 50°C	122°F / 50°C	122°F / 50°C
Max relative humidity (non-condensing)	90%	90%	90%	90%
Min water temperature (°F/°C)	34°F / 1°C	34°F / 1°C	34°F / 1°C	34°F / 1°C
Max water temperature (electronic-limit) (°F/°C)	190°F / 88°C	190°F / 88°C	190°F / 88°C	190°F / 88°C
Max ΔT - supply / return (electronic fence)	40°F	40°F	40°F	40°F
Maximum equivalent vent length, each side	2" 100'	100'	35'	
Maximum equivalent vent length, each side (Natural Gas or Propane)	3" 240'	240'	170'	150'
Air intake options: either direct vent or indoor supply				

Natural Gas boilers require a Propane conversion kit to be ordered separately if converting from Natural Gas to Propane. Propane boilers require a Natural Gas conversion kit to be ordered separately if converting from Propane to Natural Gas. Ships with 30psi relief valve.

Exhaust pipe size	Maximum equivalent length		
	SL 10-85G3, SL 14-115G3	SL 20-160G3	SL 30-199G3
Sched.40; Rigid PPs	(each side)	(each side)	(each side)
2"	100'	35'	Not allowed
3"	240'	170'	150'
90° long sweep elbow	Allow 5' equivalent	Allow 5' equivalent	Allow 5' equivalent
90° vent elbow	Allow 8' equivalent	Allow 8' equivalent	Allow 8' equivalent
45° elbow	Allow 3' equivalent	Allow 3' equivalent	Allow 3' equivalent
PPs 87-90° elbows	Allow 8' equivalent	Allow 8' equivalent	Allow 8' equivalent
2" SS Sidewall Terminal	Allow 20' equivalent of 2" Sched 40	Not allowed	Not allowed
3" SS Sidewall Terminal	Allow 20' equivalent of 3" Sched 40	Allow 20' equivalent of 3" Sched 40	Allow 20' equivalent of 3" Sched 40
Flexible PPs			
3" Flexible	45' (max) Actual lineal x 1.2 = equivalent	45' (max) Actual lineal x 2 = equivalent	30' (max) Actual lineal x 3.3 = equivalent

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SL Series G3

NEW SIZE

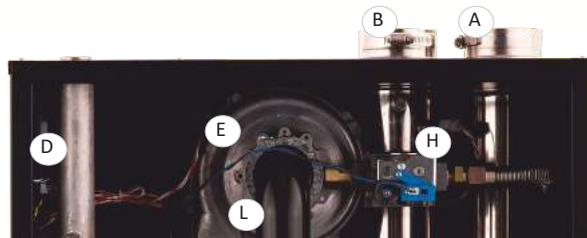




SL 10-85G3 / SL 14-115G3 / SL 20-160G3 / SL 30-199G3



SL 40-399G3



SL 26-260G3



Automated laser welding



The SL 40-399G3 features a new and innovative side bolt heat exchanger lid configuration.

Description	SL 10-85G3	SL 15-115G3	SL 20-160G3	SL 30-199G3	SL 26-260G3	SL 40-399G3	Description	SL 10-85G3	SL 15-115G3	SL 20-160G3	SL 30-199G3	SL 26-260G3	SL 40-399G3
A Intake Duct	250-856	250-856	250-856	250-856	250-856	250-025	H Gas Valve	P-326	P-326	P-326	P-326	P-329	P-330
B Exhaust Duct	250-823	250-823	250-823	250-842	250-804	250-024	I Supply Temp. Sensor	240-133	240-133	240-133	240-133	240-133	240-133
C Heat Exchanger	P-321	P-321	P-322	P-323	P-329	P325	J Return Temp. Sensor	240-134	240-134	240-134	240-134	240-134	240-134
D Ignition Module	P-271	P-271	P-271	P-271	P-270	P-270	K V-10 Touch Control	P-242	P-242	P-242	P-242	P-242	P-242
E Fan	P-310	P-310	P-310	P-310	P-311	P-311	L Ai Intake Snorkel	-	-	-	-	250-877	190-162
F Supply Water Pipe	250-555	250-555	250-555	250-833	250-259	250-853	M Tridicator	-	-	-	-	-	180-019
G Return Water Pipe	250-454	250-454	250-454	250-834	250-258	250-748	N Heat Ex. Lid Gasket	255-021	255-021	255-029	255-026	255-026	255-009

Component part numbers

www.ibcboiler.com

SL Series G3 - Interior

SL 26-260G3 26,000 to 260,000 BTU/H

SL 40-399G3 40,000 to 399,000 BTU/H



COMMERCIAL CONDENSING BOILERS

Choosing the right heating system is crucial to maximizing a buildings energy savings and environmental impact. The cost effective solution to any application, whether the application is a retrofit or new construction, combining the SL 40-399 boiler with the flexibility of the Multiplex Racking Systems and IBC's touchscreen controller the options available are endless.

- Touch Screen Boiler Controller: Express setup • Remote monitoring & diagnostics • Easy USB programmability • True native BACnet • Intuitive alert system • Simplified load pairing • Visible flame current.
- Better efficiency 95% AFUE on the SL 26-260G3.
- 96% Thermal efficiency on the SL 40-399G3
- Multi-boiler communication up to 9.5 million Btu/h (24 boilers) without additional controls.
- With 24 x 399 boilers turndown ratio is 240:1 = min. firing rate range is 40,000 Btu/h all the way up to 9.5 million Btu/h in 1000 Btu/h increments.
- PVC/CPVC/PPs approved - venting up to 400 feet.
- Now featuring multiple zone pump control - up to 4 zones. Replacing the need for external pump controls.
- **MFZ Technology:** Patented moisture management system. Protects and ensures long life for all components in the boiler.
- DDC Control 0-10 VDC or 4-20 mA without additional controls.
- Optional SL 40-399 316Ti Titanium enhanced heat exchanger available.
- DHW opt out priority for multi boiler systems.
- Reverse flow detection.
- Up to 10 year commercial heat exchanger warranty. See website for details.
- Various Multiplex racking & rack only options available for the SL 40-399G3.



Specifications	SL 26-260G3	SL 40-399G3
CSA Input (Natural Gas or Propane *) - MBH	26 - 260	40 - 399
CSA Input (Natural Gas or Propane *) - KW	7.6 - 76.2	11.7 - 117
CSA Output - MBH	24.9 - 239	38.4 - 383
CSA Output - KW	7.31 - 70.0	11.2 - 112
Efficiency	95% (AFUE)	96% (CE/TE)
Min gas pressure (Nat. Gas or Propane) - inch w.c.	4	4
Max gas pressure (Nat. Gas or Propane) - inch w.c.	14	14
Power (120Vac/60Hz) - Watts @ full fire - Watts (without pumps)	127	190
Weight (empty) - lbs/Kg	162 / 74	240 / 110
Pressure vessel water content – USG/Liters	4.64 / 17.6	6.66 / 25.2
Max boiler flow rate - USgpm	25	45
Min boiler flow rate - USgpm	6	20
Max operating pressure - psig	30	80
Min water pressure - psig	8	8
Approved installation altitude - ASL	0 - 12,000 ft	0 - 12,000 ft
Ambient temperature - Low (°F/°C)	32°F / 0°C	32°F / 0°C
Ambient temperature - High (°F/°C)	122°F / 50°C	122°F / 50°C
Max relative humidity (non-condensing)	90%	90%
Min water temperature (°F/°C)	34°F / 1°C	34°F / 1°C
Max water temperature (electronic-limit) (°F/°C)	190°F / 88°C	190°F / 88°C
Heating surface area - ft² / m²	22.71 / 2.11	36.56 / 3.40
Max ΔT - supply / return (electronic fence)	40°F	40°F
Maximum equivalent vent length, each side (Natural Gas or Propane)	3" 200' 4" 200'	200'
Air intake options: either direct vent or indoor supply		

Natural Gas boilers require a Propane conversion kit to be ordered separately if converting from Natural Gas to Propane. Propane boilers require a Natural Gas conversion kit to be ordered separately if converting from Propane to Natural Gas. Ships with 30psi relief valve.

Exhaust pipe size	Maximum equivalent length	
	SL 26-260G3 (each side)	SL 40-399G3 (each side)
Sched.40; Rigid PPs		
3"	200'	
4"		200'
90° long sweep elbow	Allow 5' equivalent	Allow 5' equivalent
90° vent elbow	Allow 8' equivalent	Allow 8' equivalent
45° elbow	Allow 3' equivalent	Allow 3' equivalent
PPs 87-90° elbows	Allow 8' equivalent	Allow 8' equivalent
3" Stainless Steel Terminal (SST)	Allow 20' equivalent of 3" Sched. 40	Allow 65' equivalent
3" PVC/CPVC (to adapt to the SST)		For each 1' allow 3.2' equivalent
Flexible PPs		
3" Flexible	60' (max.) actual lineal x 3.33 = equivalent	
4" Flexible		160' (max) Actual lineal x 1.2 = equivalent

www.ibcboiler.com



SL Series G3





ADVANCED CONTROL

At IBC we are dedicated to finding new and better ways to provide superior comfort and fuel savings to our customers.

All SL & VFC Series condensing boilers are equipped with our V-10 Touch Screen Boiler Control which features the latest in advanced touch screen technology and software features. Connect to the V-10 PORTAL for remote monitoring & diagnostics.




V-10 PORTAL

A secure method of remotely managing your SL Boiler from any location.

Boiler control on the go!

V-10 TOUCH SCREEN CONTROLLER

Available on all VFC & SL Series Condensing Boilers

IBC CONTROL AT YOUR FINGERTIPS



With intuitive features like Express Setup, easier Diagnostics & Intuitive Alert System your SL or VFC Series boiler has never been easier to use.

EXPRESS SETUP

- Program your boiler in seconds with an interview style, quick start menu.
- User friendly interface for contractor and home owner.

ZONING

- Now featuring multiple zone pump control - up to 4 zones. Replacing the need for external pump controls.
- Simplified load pairing.

COMPLETE REMOTE ACCESS

- Built-in internet connectivity. Monitor your boilers operation in real time from your PC/Mac.
- Remote monitoring & diagnostics.

EASY USB PROGRAMMABILITY

- USB Port for software updates and copying settings to the next boiler.

TRUE NATIVE BACnet

- Seamlessly integrate IBC BACnet enabled boilers into your current building automation system.

MORE FLEXIBILITY

- Intuitive alert system with plain English warnings & error messages.
- Built-in alarm notification relay.
- Reverse flow detection.
- Automatic altitude adjustment.
- Pre-programmed values for all load types.



Home Page Screen



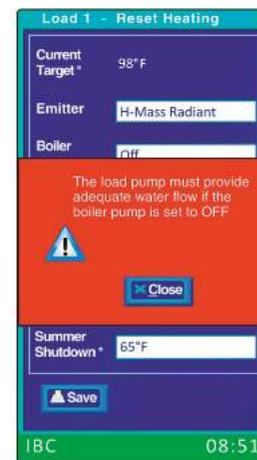
Main Menu



Express Setup



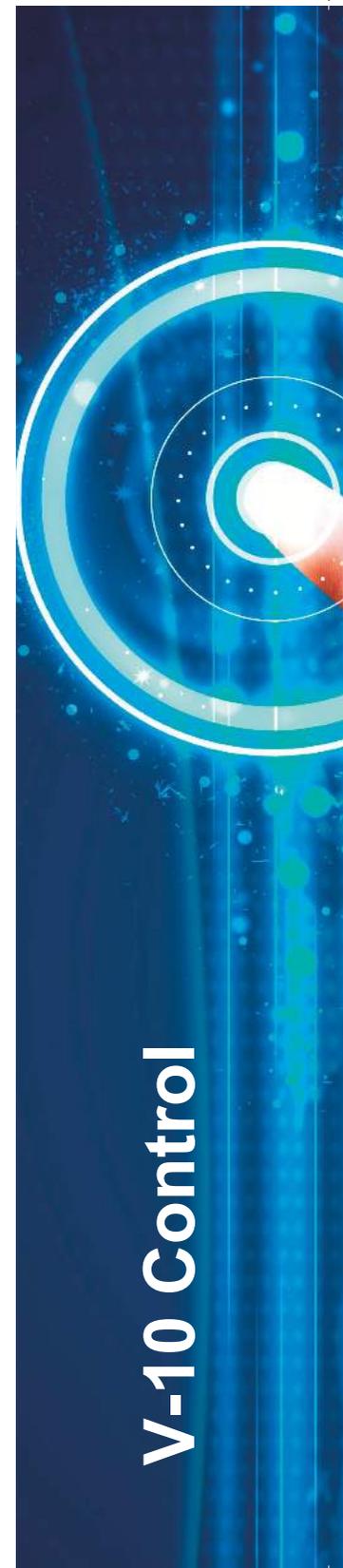
Advanced Diagnostics



Immediate input feedback



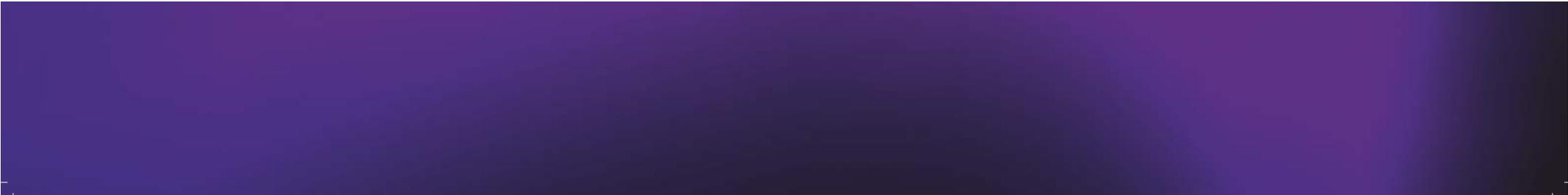
Color coded error notifications





ENERGY EFFICIENT HEATING

IBC's smallest ever boiler, the HC series begins with the HC 13-50 offering the solution for today's better insulated buildings. With onboard full outdoor reset and a slim boiler room footprint the HC Series offers great value for money without sacrificing reliability.



HC 13-50

13,500 to 51,000 BTU/H

HC 23-84

23,000 to 84,000 BTU/H

HC 29-106

29,000 to 106,000 BTU/H

HC 20-125

20,000 to 125,000 BTU/H

HC 33-160

33,000 to 160,000 BTU/H

CONDENSING BOILERS

- Unique and innovative single pass Copper / Aluminum Heat Exchanger, ensuring greater efficiency and eliminating water side corrosion.
- Up to 95% AFUE, with full ASME-rated vessel.
- Built-in boiler pump.
- PVC/CPVC/PPs approved.
- 2" & 3" venting options available.
- Contractor friendly, easy to install, maintain and service.
- Up to 6.25:1 turndown ratio of better load matching.
- Fewer parts ensuring greater reliability.
- Outdoor reset technology increases efficiency by lowering the water temp automatically.
- Reset heating - Set point - DHW.
- Includes Air Vent, Outdoor Sensor & Relief Valve.
- Exceptional value and longevity. Heat exchanger has a 20 year track record with over 1.5 million installed.
- Better reliability and durability.
- 5 Year manufacturer's parts warranty.
- 10 year limited heat exchanger warranty.

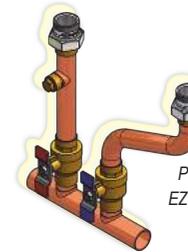
Specification	HC 13-50	HC 23-84	HC 29-106	HC 20-125	HC 33-160
CSA Input (Natural Gas or Propane *) – MBH	13.5 – 51	23 – 84	28.5 – 106	20 – 125	33 – 160
CSA Input (Natural Gas or Propane *) – KW	3.95 – 14.94	6.7 – 24.9	8.4 – 31.0	5.6 – 36.6	9.7 – 46.9
CSA Output – MBH	12.4 – 45.4	21.2 – 74.8	26.3 – 94.3	18.6 – 110.8	30.4 – 140.0
CSA Output – KW	3.64 – 13.3	6.2 – 21.9	7.7 – 27.6	5.4 – 32.5	8.9 – 41.0
A.F.U.E	95%	94%	94%	95%	94%
Min gas pressure (Nat. Gas or Propane) – inch w.c.	5	5	5	5	5
Max gas pressure (Nat. Gas or Propane) – inch w.c.	14	14	14	14	14
Power (120Vac/60Hz) - Watts @ full fire with internal pump	126	126	128	130	164
Weight (empty) – lbs/Kg	85 / 39	85 / 39	85 / 39	85 / 39	85 / 39
Pressure vessel water content – USG/Liters	0.37/1.4	0.37/1.4	0.37/1.4	0.5/1.9	0.5/1.9
Max boiler flow rate - USgpm	9	9	10	11	11
Min boiler flow rate - USgpm	2	2	3	3	3
Max operating pressure – Space Heating Coil - psig	43.5	43.5	43.5	43.5	43.5
Approved installation altitude - ASL	12,000 ft	12,000 ft	12,000 ft	12,000 ft	12,000 ft
Ambient temperature – Low (°F/°C)	32/0	32/0	32/0	32/0	32/0
Ambient temperature – High (°F/°C)	122/50	122/50	122/50	122/50	122/50
Max relative humidity (non-condensing)	90%	90%	90%	90%	90%
Min water temperature - Space Heating (°F/°C)	50/10	50/10	50/10	50/10	50/10
Max water temperature – Space Heating (°F/°C)	194/90	194/90	194/90	194/90	194/90
Max equivalent vent length 2" (each side)	35'	35'	35'	35'	35'
Max equivalent vent length 3" (each side)	120'	120'	120'	120'	120'

Natural Gas boilers require a Propane conversion kit to be ordered separately if converting from Natural Gas to Propane. Propane boilers require a Natural Gas conversion kit to be ordered separately if converting from Propane to Natural Gas.

Ships with 30psi relief valve.

Exhaust Pipe Size	Maximum equivalent length (each side)
Schedule 40; CPVC or PPs	(each side)
2"	35'
3"	120'
2" or 3" 90° Long sweep vent elbow	Allow 5' equivalent feet
2" or 3" 90° Short sweep vent elbow	Allow 8' equivalent feet
2" or 3" 45° Vent elbow	Allow 3' equivalent feet
PPs	
PPs 87-90° Elbow	Allow 8' equivalent feet
Flexible PPs	
3" Flexible	35 Actual feet

Maximum exhaust venting length



Part# 190-149
EZ Pipe Manifold



HC Series

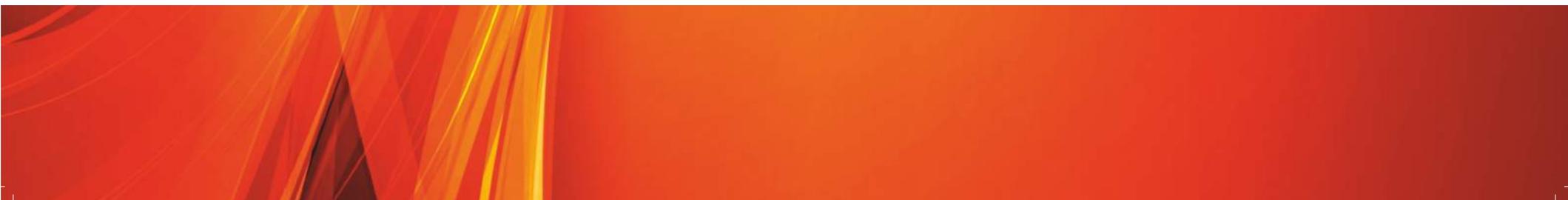


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CERTIFIED AS A BOILER AND A WATER HEATER

Combining Domestic Hot Water & Space Heating in a single compact design, the DC Series offers a tried and true heat exchanger design. With the DHW comfort mode, the “cold water sandwich” is eliminated with no additional parts.



DC 23-84

23,000 to 84,000 BTU/H

DC 20-125

20,000 to 125,000 BTU/H

DC 29-106

29,000 to 106,000 BTU/H

DC 33-160

33,000 to 160,000 BTU/H

DUAL FIRED APPLIANCE

Unique 2 in 1 heat exchanger eliminates the need for a diverter valve and plate type heat exchanger.

- Up to 95% AFUE with full ASME-rated vessel.
- Two independent copper coils embedded in a cast aluminium heat exchanger.
- Built-in pump.
- PVC/CPVC/PPs approved.
- Low lead certified.
- Self-cleaning, self-draining vertical fin heat exchanger.
- Built-in supply and return sensors control the heat exchanger temperature (versus water temperature), thus eliminating failures.
- Contractor friendly, fewer internal parts, easy to install, maintain and service.
- Outdoor reset technology increases efficiency by lowering the water temp automatically.
- Exceptional value and longevity. Heat exchanger has a 20 year track record with over 1.5 million installed.
- Includes Air Vent, Outdoor Sensor & Relief Valve.
- 5 Year manufacturer's parts warranty.
- 10 year limited heat exchanger warranty.

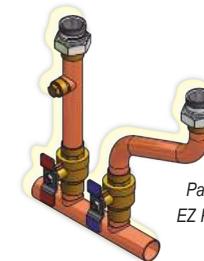
Specification	DC 23-84	DC 29-106	DC 20-125	DC 33-160
CSA Input (Natural Gas or Propane) – MBH	23 – 84	28.5 – 106	20 - 125	33 – 160
CSA Input (Natural Gas or Propane) – KW	6.7 – 24.9	8.4 – 31.0	5.6 – 36.6	9.7 – 46.9
CSA Output – MBH	21.2 – 74.8	26.3 – 94.3	18.6 – 110.8	30.4 – 140.0
CSA Output - KW	6.2 – 21.9	7.7 – 27.6	5.4 – 32.5	8.9 – 41.0
DHW - CSA Input (Natural Gas or Propane) - MBH	23 - 84	28.5 - 106	20 - 125	33 - 124
DHW - CSA Input (Natural Gas or Propane) - KW	6.7 - 24.9	8.4 - 31.0	95.6 - 36.3	9.7 - 36.3
A.F.U.E	94%	94%	95%	94%
Min gas pressure (Nat. Gas or Propane) – inch w.c.	5	5	5	5
Max gas pressure (Nat. Gas or Propane) – inch w.c.	14	14	14	14
Power (120Vac/60Hz) - Watts @ full fire with internal pump	126	128	130	164
Weight (empty) – lbs/Kg	85 / 39	85 / 39	85 / 39	85 / 39
Pressure vessel water content – USG/Liters	0.37/1.4	0.37/1.4	0.5/1.9	0.5/1.9
Max boiler flow rate - USgpm	9	10	11	11
Min boiler flow rate - USgpm	2	3	3	3
Max operating pressure – Space Heating Coil - psig	43.5	43.5	43.5	43.5
Max operating pressure – Domestic Hot Water Coil - psig	150	150	150	150
Approved installation altitude - ASL	12,000 ft	12,000 ft	12,000 ft	12,000 ft
Ambient temperature – Low (°F/°C)	32/0	32/0	32/0	32/0
Ambient temperature – High (°F/°C)	122/50	122/50	122/50	122/50
Max relative humidity (non-condensing)	90%	90%	90%	90%
Min water temperature - Space Heating (°F/°C)	50/10	50/10	50/10	50/10
Max water temperature – Space Heating (°F/°C)	194/90	194/90	194/90	194/90
Min water temperature – Domestic Hot Water (°F/°C)	104/40	104/40	104/40	104/40
Max water temperature – Domestic Hot Water (°F/°C)	149/65	149/65	149/65	149/65
Min flow rate to activate DHW heating - USgpm	0.5	0.5	0.5	0.5
Max flow rate DHW heating - USgpm	2.6	3.3	4	4
Max equivalent vent length 2" (each side)	35'	35'	35'	35'
Max equivalent vent length 3" (each side)	120'	120'	120'	120'
Domestic Hot Water delivery: @70°F/ 39°C temperature rise	2.1 GPM	2.7 GPM	3.2 GPM	3.2 GPM

Natural Gas boilers require a Propane conversion kit to be ordered separately if converting from Natural Gas to Propane. Propane boilers require a Natural Gas conversion kit to be ordered separately if converting from Propane to Natural Gas.

Ships with 30psi relief valve.

Exhaust Pipe Size	Maximum equivalent length
Schedule 40; CPVC or PPs	(each side)
2"	35'
3"	120'
2" or 3" 90° Long sweep vent elbow	Allow 5' equivalent feet
2" or 3" 90° Short sweep vent elbow	Allow 8' equivalent feet
2" or 3" 45° Vent elbow	Allow 3' equivalent feet
PPs	
PPs 87-90° Elbow	Allow 8' equivalent feet
Flexible PPs	
3" Flexible	35 Actual feet

www.ibcboiler.com



Part# 190-149
EZ Pipe Manifold

DC Series





THE ONLY DOUBLE HIGH EFFICIENCY APPLIANCE IN THE WORLD

Certified as a Boiler and a Water Heater.

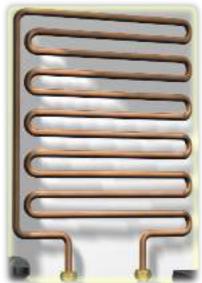
DC 15-96

15,000 to 96,000 BTU/H

Dual Fired, Dual Condensing Appliance

VOTED MOST INNOVATIVE PRODUCT

2 Gas fired components built into 1 cabinet with 2 certifications.



A High Efficiency
Tankless Water Heater



+



A High Efficiency
Condensing Boiler



Cory McBurney (President of EnerQuality), Birgit McCullough (Ont. Office Manager), Peter Kinsey (Eastern Canadian Sales Manager), Don Peladeau (CEO IBC Canada), James Scott (Ont. Technical Support Specialist)

EQ Awards

IBC's newest product in the DC Series, the DC 15-96, has won the EQ Award for the "Most Innovative Product" at this year's Innovation Gauntlet at the 2018 EnerQUALITY Housing Innovation Forum & Awards.

Certified as a tankless water heater, and a high efficiency boiler the DC 15-96 is the first of it's kind and is compliant with all six compliance packages of the Ontario Building Code Supplementary Standard SB-12, including package A1.

"The IBC Better Boiler product is a forward thinking, adaptable technology with integration to smart homes. This is a truly unique product and was a clear leader in this year's submissions," says Shaun Joffe, Executive Director of Sustainability & Building Sciences at Great Gulf and Judge.



DC 15-96 shown on the New IBC Vertical Floor Stand. See page 25.

DC Series - DC 15-96

"This is a truly unique product and was a clear leader in this year's submissions"

Shaun Joffe, Executive Director of Sustainability & Building Sciences at Great Gulf and Judge of the Innovation Gauntlet participants.



IBC INDIRECT WATER HEATERS

High performance domestic hot water tanks made of 316L stainless steel. Ships with a domestic hot water sensor ready to communicate with any VFC or SL Series boiler.



30 TO 115 GALLON (US)

Regular, HO & XHO Options Available

IBC INDIRECT WATER HEATERS

- Top connections for easy installation.
- Low profile height available for small spaces on selected models.
- High output options & large pipe connections available on selected models.
- High capacity smooth wall coils which are resistant to airlocks.
- Durable high grade 316L stainless steel.
- Fail proof, welded stainless steel dip tube.
- A full 2" of insulation for an extremely low standby heat loss.
- A thermoplastic jacket that will not corrode.
- Optional Aquastat for additional flexibility.
- Quality brass ball valve style drain and T+P valves are factory installed.
- Conforms to UL STD 174, Certified to CAN/CSA STD C22.2 No. 110-94.
- Call IBC for special order on storage & buffer tanks.
- 10 year non-prorated residential warranty with limited lifetime option.



Durable Stainless Steel



MODEL	DIMENSIONS		PIPING CONNECTIONS NPT		MAXIMUM WORKING PRESSURE (PSI)	APPROX. SHIPPING WEIGHT
	HEIGHT INCHES	DIAMETER INCHES	DOMESTIC WATER IN/OUT	BOILER WATER IN/OUT		
IBC 30	34	23.5	3/4	1	150	85
IBC 40	44	23.5	3/4	1	150	100
IBC 40L	36	28.0	3/4	1	150	100
IBC 50	54	23.5	3/4	1	150	110
IBC 60	62	23.5	3/4	1	150	125
IBC 60L	46	28.0	3/4	1	150	120
IBC 80	56	28.0	1	1	150	140
IBC 115	74	28.0	1	1	150	175
HIGH OUTPUT UNITS						
IBC 80-HO	56	28.0	1	1	150	155
IBC 115-HO	74	28.0	1	1	150	190
IBC 80-HOC	56	28.0	1 1/2	1 1/4	150	155
IBC 115-HOC	74	28.0	1 1/2	1 1/4	150	190
EXTRA HIGH OUTPUT UNITS						
IBC 85-XHO	64	28.0	1 1/2	1 1/2	150	215
IBC 115-XHO	74	28.0	1 1/2	1 1/2	150	240

MODEL	MAX. FIRST HOUR RATING GAL/HR @		CONTINUOUS RATING GAL/HR @		BOILER OUTPUT REQUIRED BTU/HR	BOILER WATER FLOW THROUGH COIL	PRESSURE DROP THROUGH COIL
	140F	115F	140F	115F			
IBC 30	176	233	149	206	111,560	14.0	5.3
IBC 40	193	254	157	218	117,870	14.0	5.7
IBC 40L	186	251	150	215	112,200	14.0	5.3
IBC 50	196	254	151	209	113,290	14.0	6.0
IBC 60	231	298	177	244	132,340	14.0	6.2
IBC 60L	211	272	157	218	117,785	14.0	5.7
IBC 80	241	306	169	234	126,980	14.0	6.0
IBC 115	291	363	188	260	140,890	14.0	6.6
HIGH OUTPUT UNITS							
IBC 80-HO	366	479	294	407	220,440	14.0	9.9
IBC 115-HO	413	532	310	429	232,135	14.0	10.5
IBC 80-HOC	386	507	314	435	235,510	21.0	15.8
IBC 115-HOC	423	545	320	442	239,530	21.0	16.7
EXTRA HIGH OUTPUT UNITS							
IBC 85-XHO	649	868	571	790	428,000	28.0	13.0
IBC 115-XHO	674	893	571	790	428,000	28.0	13.0

Note: All ratings are based on 180 degree F boiler cold water inlet. For 160 degree F boiler water supply multiply ratings by 0.86. In the interest of continuous improvement, specifications are subject to change without notice.



IBC Tanks



SUPERIOR STRENGTH, UNPARALLELED QUALITY

A one-piece welded **pure titanium** masterpiece. This ultralight titanium shell and coil optimizes flow turbulence and increases heat transfer coefficient. The T Series heat exchanger is designed especially for the most aggressive water conditions.

Exceptional material strength with the highest resistance to corrosion, matched with unparalleled quality make the T Series the perfect choice for any application.



T Series

T100, T200, T300, T400

TITANIUM POOL + SPA HEAT EXCHANGERS

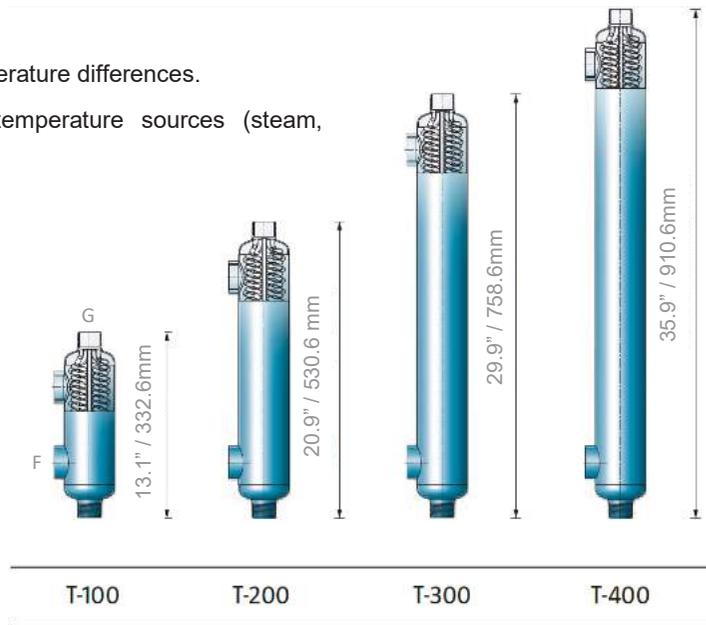
APPROPRIATE FOR APPLICATIONS SUCH AS:

- Applications with extremely high **salt water** concentration.
- Corrosive fluids.
- Pool heating with gas or oil fired boilers.

DISTINCT ADVANTAGES:

- Total immunity to salt corrosion even at high temperatures.
- Ultra-high thermal performance.
- Coil expansion handles extreme temperature differences.
- Swimming pools heated by high temperature sources (steam, refrigerants, solar).
- Light weight.

- ROBUST AND COMPACT DESIGN
REQUIRES MINIMUM INSTALLATION SPACE
- SUITABLE WITH HIGH FLUID FLOWS
AND LOW TEMPEAURE VARIANCES
- SELF-CLEANING
SELF-DESCALING DESIGN
- CAN BE CONNECTED TO BOILERS,
HEAT PUMPS OR SOLAR PANELS



HEAT EXCHANGER MODEL	CONNECTIONS		HEAT TRANSFER AREA		NOMINAL CAPACITY		HOT WATER SIDE				COLD WATER SIDE				
	SHELL F	TUBES G	Diameter	sq ft	m ²	kW	BTU/h	FLOW		PRESSURE DROP		FLOW		PRESSURE DROP	
								ltr/min	usg/min	kPa	PSI	ltr/min	usg/min	kPa	PSI
T-100	1 1/2"	1 1/2"	3.6"	2.24	0.21	29	100,000	17	4.6	6.1	0.09	38	10.0	0.3	0.1
T-200	1 1/2"	1 1/4"	3.6"	4.15	0.38	57	200,000	28	7.5	26.7	3.9	61	16.0	1.4	0.2
T-300	1 1/2"	1 1/4"	3.6"	6.26	0.58	87	300,000	36	9.5	63.2	9.2	76	20.0	2.9	0.4
T-400	1 1/2"	1 1/4"	3.6"	7.71	0.72	113	400,000	35	9.1	71.7	10.4	265	70.0	40.7	5.9

Nominal capacity values are based on boiler supply 180°F (82.2°C) and return pool water 80°F (26.7°F)

www.ibcboiler.com

T Series



EXCELLENT THERMAL EFFICIENCY

The S Series heat exchangers are made entirely of high quality, specially treated 316L stainless steel to ensure superior corrosion resistance and longer life. Fabricated with a distinctive **helically corrugate tube** design which can deliver excellent thermal performance even with fouled heating media.

Intended for use with high fluid flows and low temperature variances, these robust, compact heat exchangers are ideal for many residential and industrial applications.



S Series

S70, S130, S180, S250, S300, S500, S1000

316L SS POOL + SPA HEAT EXCHANGERS

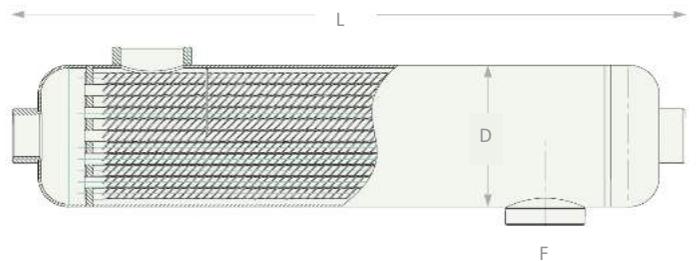
TYPICAL RESIDENTIAL APPLICATIONS

- Standard chlorinated pools, spas and hot tubs.
- Fresh water applications.
- Pool heating with gas or oil fired boilers.
- In-floor heating / snowmelt.

TYPICAL INDUSTRIAL APPLICATIONS

- Public swimming pools (freshwater).
- Boiler sample coolers.
- Waste water heat recovery systems.
- Condensate sub cooling.

- ROBUST AND COMPACT SS DESIGN
REQUIRES MINIMUM INSTALLATION SPACE
- SUITABLE WITH HIGH FLUID FLOWS
AND LOW TEMPEAURE VARIANCES
- SELF CLEANING
SELF DESCALING DESIGN
- PERFORMANCE AT THE RIGHT PRICE



Complete 316L welded design

Corrugated densely packed stainless heating tubes

Pool water on the shell side

Passivated and externally electro polished

Closed spaced baffles

Vertical or horizontal installation

HEAT EXCHANGER MODEL	NOMINAL CAPACITY			HOT WATER SIDE		COLD WATER SIDE		HEAT TRANSFER sq ft	CONNECTIONS			
	140°F ΔT	100°F ΔT	70°F ΔT	FLOW USGPM	PRESSURE DROP PSIG	FLOW USGPM	PRESSURE DROP PSIG		SHELL F	TUBES G	D	L
S 70	70,000	62,000	50,000	6.60	1.09	44.91	1.33	2.79	1 1/2"	3/4"	3.15"	13.58"
S 130	130,000	116,000	93,000	7.13	1.17	52.83	1.65	3.30	1 1/2"	3/4"	3.15"	15.55"
S 180	180,000	156,000	120,000	7.93	0.40	55.48	1.10	4.91	1 1/2"	1"	4"	15.08"
S 250	250,000	220,000	165,000	9.25	0.60	71.33	1.70	7.29	1 1/2"	1"	4"	20.20"
S 300	300,000	260,000	200,000	10.57	0.90	49.25	2.50	9.38	1 1/2"	1"	4"	24.88"
S 500	500,000	410,000	315,000	14.53	1.30	95.10	3.20	17.32	2"	1"	4"	42.72"
S 1000	1,000,000	805,000	620,000	25.10	2.35	185.24	4.22	23.68	2"	2"	5.5"	36.10"

Nominal capacity values are based on 140°F temperature difference between incoming water (40°F) and boiler supply (180°F)

Nominal capacity values are based on 100°F temperature difference between incoming water (80°F) and boiler supply (180°F)

Nominal capacity values are based on 70°F temperature difference between incoming water (80°F) and boiler supply (150°F)

www.ibcboiler.com

S Series



MULTI-PLEX Racking

A Modular freestanding system for commercial and multi family installations, the Multiplex racking system components fit through standard doorways reducing the need for heavy transport equipment.

Our easy to set up boiler networks also provide for precise load matching through wide turndown ratios.

MULTI-PLEX Racking

Designed for the SL 40-399G3

ENGINEERED • EASY TO INSTALL • TURNKEY

Quick installation

4 x SL 40-399's x 2 Men = 8 Hrs

Compact design.

- Easy to get into small spaces & around existing equipment
- Flat pack design - reducing shipping costs

Multiple options available

- Inline, back to back and rack only options available
- Header sizes include 3", 4" or 6".
- Left or right header connections includes 1 set of blind flanges.
- Combinations from 2 to 12 boilers on a single racking system.

Superior Quality

- Low head loss - better flow rates
- Flanged headers for easy expansion
- Seismic ratable

System Includes:

SS Flex Connectors • Isolation Ball Valves • Check Valves • UPS 43-44F Pumps • Boiler Drains Unions • Welded Steel Supply & Return Headers
 Connection Points for Optional Accessories
 All necessary Nipples & Fittings
 Assembly Instructions



SPECIFICATIONS				
Multiplex Racking System	Part No.	Width " / mm	Height " / mm	Depth " / mm
IN LINE RACK				
3" Header				
2 Boiler In-line	90-151	70" / 1778 mm	76.25" / 1937 mm	35.5" / 902 mm
3 Boiler In-line	90-149	102" / 2590 mm	76.25" / 1937 mm	35.5" / 902 mm
4" Header				
2 Boiler In-line	90-159	70" / 1778 mm	76.25" / 1937 mm	35.75" / 908 mm
3 Boiler In-line	90-160	102" / 2590 mm	76.25" / 1937 mm	35.75" / 908 mm
4 Boiler In-Line	90-161	134" / 3404 mm	76.25" / 1937 mm	35.75" / 908 mm
5 Boiler In-Line	90-162	166" / 4217 mm	76.25" / 1937 mm	35.75" / 908 mm
6 Boiler In-Line	90-163	198" / 5030 mm	76.25" / 1937 mm	35.75" / 908 mm
6" Header				
4 Boiler In-line	90-171	134" / 3404 mm	76.25" / 1937 mm	38" / 965 mm
5 Boiler In-line	90-178	166" / 4217 mm	76.25" / 1937 mm	38" / 965 mm
6 Boiler In-line	90-164	198" / 5030 mm	76.25" / 1937 mm	38" / 965 mm
8 Boiler In-line	90-165	262" / 6656 mm	76.25" / 1937 mm	38" / 965 mm
10 Boiler In-line	90-166	326" / 8280 mm	76.25" / 1937 mm	38" / 965 mm
12 Boiler In-line	90-176	390" / 9906 mm	76.25" / 1937 mm	38" / 965 mm
BACK TO BACK RACK				
4" Header				
2 + 2 Boiler Back to Back	90-167	70" / 1778 mm	76.25" / 1937 mm	58.5" / 1486 mm
3 + 3 Boiler Back to Back	90-168	102" / 2590 mm	76.25" / 1937 mm	58.5" / 1486 mm
6" Header				
3 + 3 Boiler Back to Back	90-169	102" / 2590 mm	76.25" / 1937 mm	60.5" / 1537 mm
4 + 4 Boiler Back to Back	90-170	134" / 3404 mm	76.25" / 1937 mm	60.5" / 1537 mm
5 + 5 Boiler Back to Back	90-172	166" / 4217 mm	76.25" / 1937 mm	60.5" / 1537 mm
6 + 6 Boiler Back to Back	90-177	198" / 5030 mm	76.25" / 1937 mm	60.5" / 1537 mm

SPECIFICATIONS - Racking only				
Racking Only	Part No.	Width " / mm	Height " / mm	Depth" / mm
1 Boiler Rack	R-137	38" / 965 mm	76.25" / 1937mm	26.5" / 673 mm
2 Boiler Rack	R-138	70" / 1778 mm	76.25" / 1937mm	26.5" / 673 mm
3 Boiler Rack	R-136	102" / 2590 mm	76.25" / 1937mm	26.5" / 673 mm
4 Boiler Rack	R-139	134" / 3404mm	76.25" / 1937mm	26.5" / 673 mm
5 Boiler Rack	R-140	166" / 4217 mm	76.25" / 1937mm	26.5" / 673 mm
6 Boiler Rack	R-134	198" / 5030 mm	76.25" / 1937mm	26.5" / 673 mm
7 Boiler Rack	R-141	230" / 5843 mm	76.25" / 1937mm	26.5" / 673 mm
8 Boiler Rack	R-142	262" / 6656 mm	76.25" / 1937mm	26.5" / 673 mm

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Racking



SL Parts Kit

P-350

SL Residential Parts Service Kit

SL 85/115/160/199 **G3**



HC/DC Parts Kit

P-734C

HC/DC Series Parts Service Kit

All Models

PARTS SERVICE KITS

Parts Service kits are an easy and cost-effective way to maintain and service IBC boilers.

- Kits contains original, high-quality IBC spare parts in a convenient and compact case.
- Each service kit is tailored specifically to the requirements of that particular series.
- Kits contains a Fan, Controller, Gas Valve, Ignitor, Sensors, Gaskets etc.
- Convenience in one package without the need for multiple parts orders.
- Reduces inventory costs.
- Reduces service time & downtime.

Part#	P-350 Kit Contents
P-310	Fan Replacement Kit
P-340	Ignitor Kit - Single Prong
P-111	Ignitor Kit - Double Prong
P-326	Gas Valve Replacement Kit
P-337	Air Pressure Switch kit
P-271	Safety Ignition Module Kit (SIM+)
P-242	V-10 Touchscreen Controller
200-154	Ignition Cable - SIM
240-006	Water Pressure Sensor
240-134	Return Water Temperature Sensor
240-133	Supply Duplex Temperature Sensor
240-142	Venturi 130-37.5mm - 199
240-124	Venturi 130-43.5mm - 115/160
240-123	Venturi 130-45.6mm - 85
150-244	Venturi Clip
250-866	Air Metering Insert, G3
150-245	O-Ring, 2MM X 151D
240-030	Vent High Limit 230°F
240-010	LWCO Probe, 1/4NPTX35MM
250-458	Water Pipe Gasket - 85/115/160
255-024	Water Pipe Gasket - 199
900-010	USB - With the latest software

P-350



P-734C

Part#	P-734C Kit Contents
P-707	Water Temperature Sensor (Supply / Return)
P-706	DHW Flow Sensor
P-719	Gas Valve Assembly- (HC/DC)
P-749	Universal Controller
P-717	Water Temperature Sensor Kit (HC/DC)
P-716	Ignitor Kit - (HC/DC)
P-729	DHW Temperature Sensor - (DC - Internal)
P-708	Fan Replacement Kit-(HC/DC)
P-728	Flue Gas Sensor Kit (HC/DC)
210-021	Ignition Cable
240-069	Spark Generator / Gas Valve Cable

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NEW

Accessories - Parts Kits

Vertical Stand

P-267

SL SeriesG3: 85/115/160/199

HC / DC Series: All Models

FLOOR STANDS

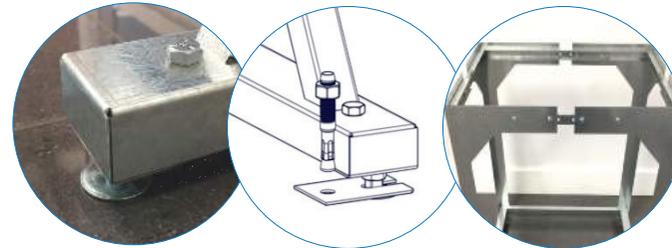
- Convert any IBC wall hanging boiler to a floor standing model instantly.
- The P-266 adjustable floor stand accommodates the SL 26-260G3 and expands to accommodate the SL 40-399G3 model.

Measurements		P-267	P-266
A	Height	58.63" 1489mm	30.625" 777.9mm
B	Width	24.31" 617.5cm	25.25" 641.4mm
C	Depth	17.88" 200.1mm	16.06" 407.9mm

Expandable Stand

P-266

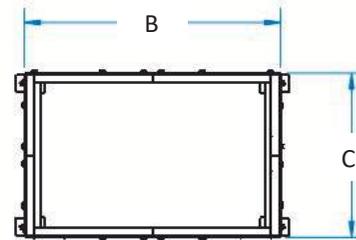
SL 26-260G3, SL 40-399G3



Adjustable Feet

Floor Bolts

Expandable

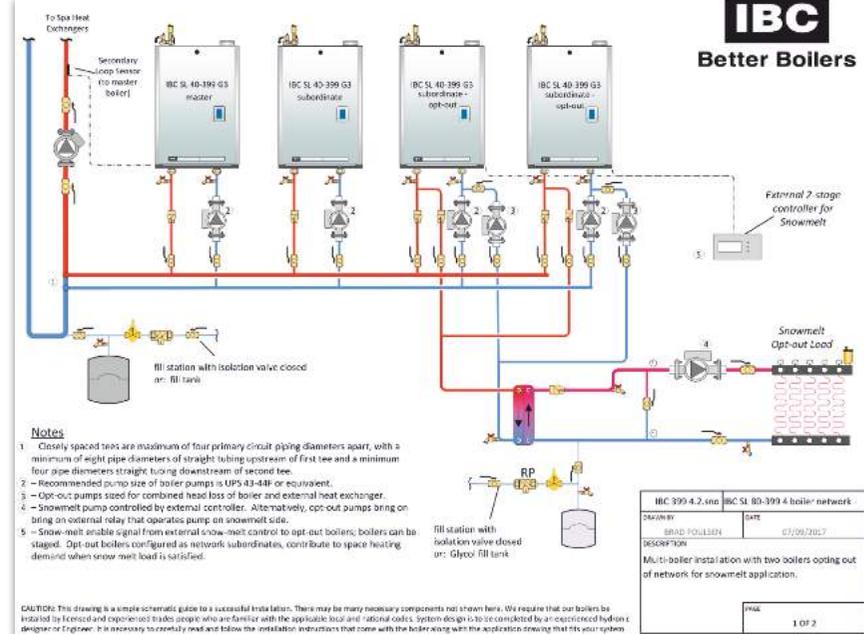
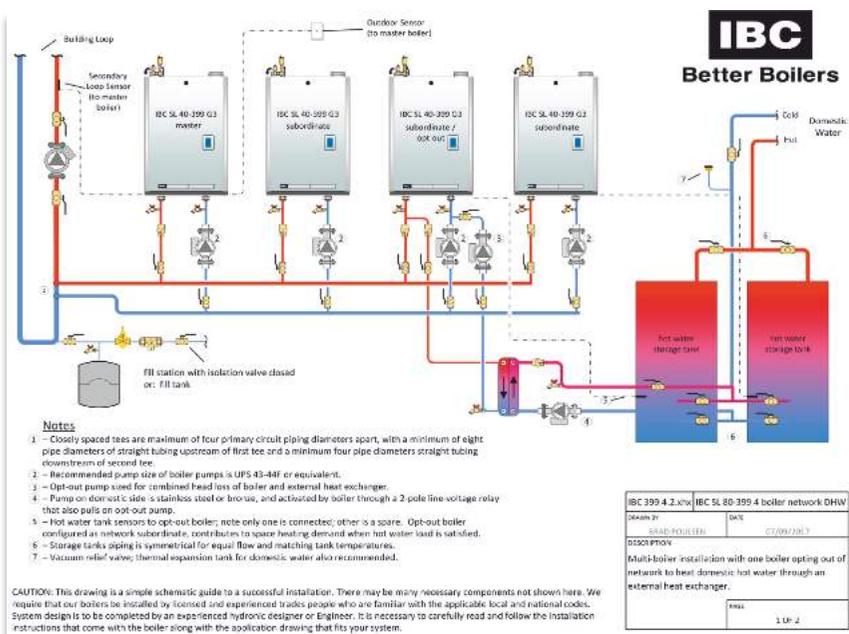
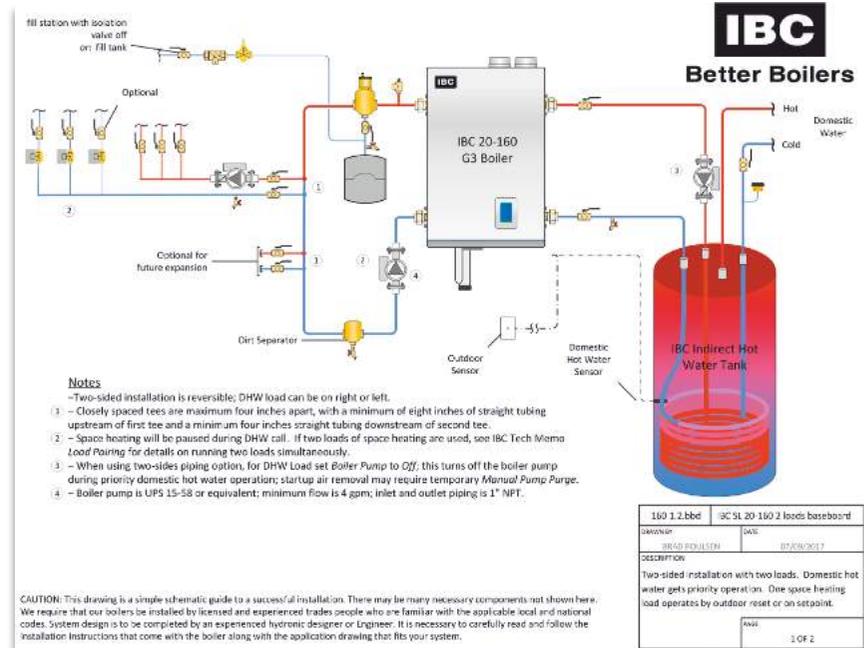
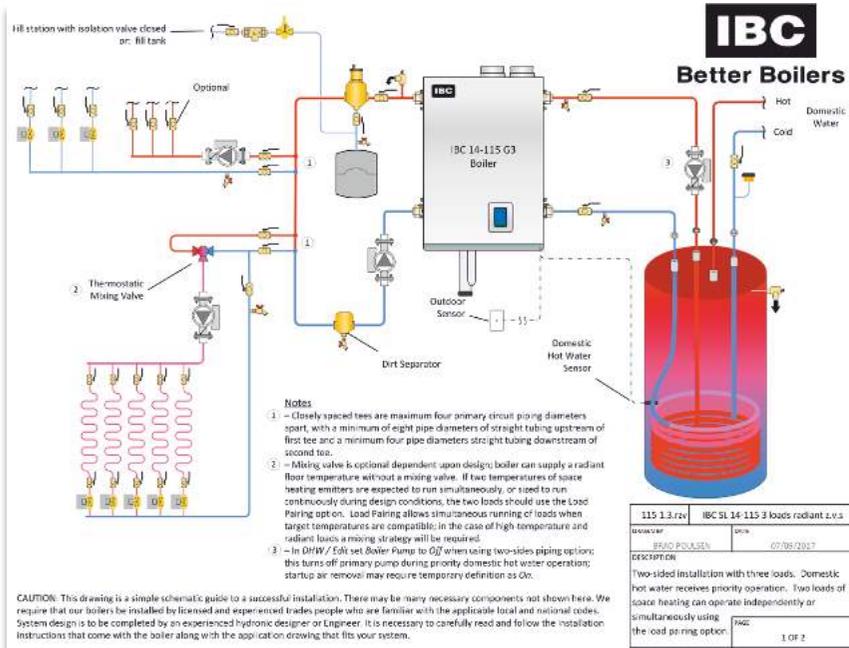


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NEW

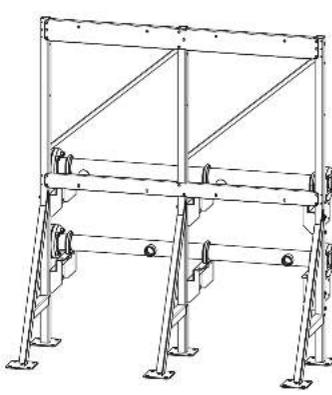
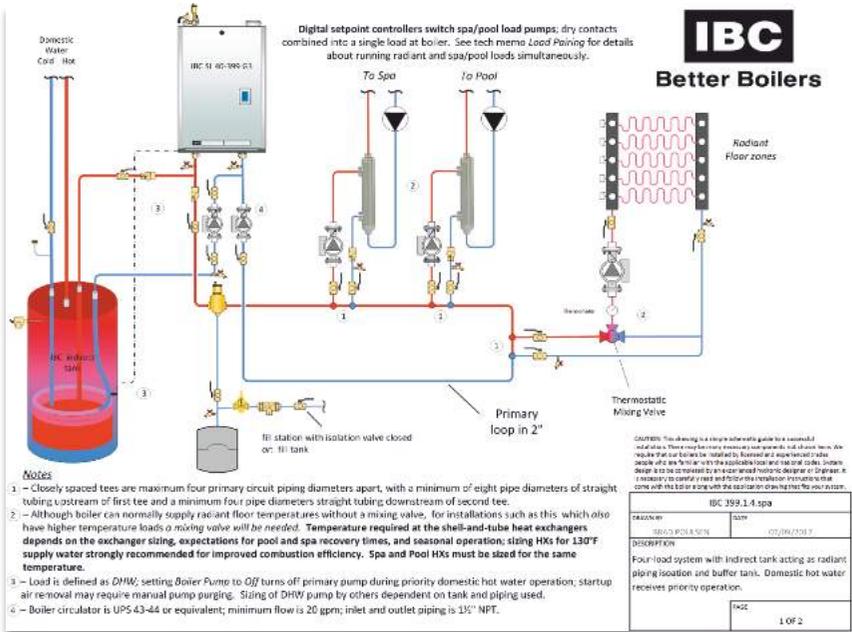
Accessories - Floor Stands

APPLICATION DRAWINGS

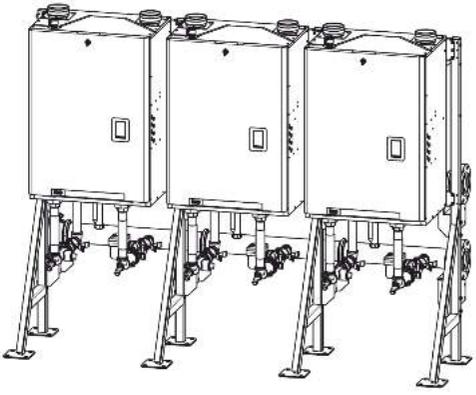


For further application drawings see our website at www.ibcboiler.com

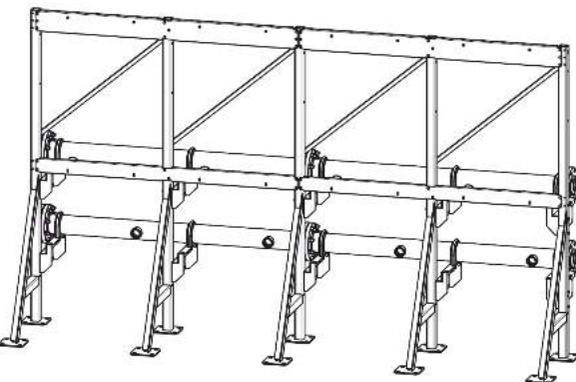
MULTIPLEX RACKING OPTIONS



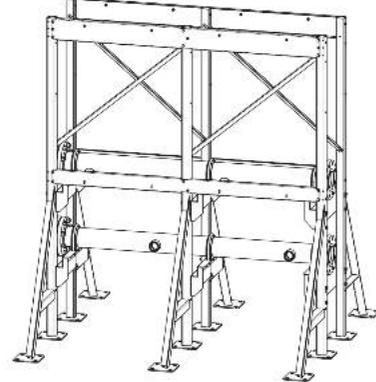
090-151 : 2 boiler in line



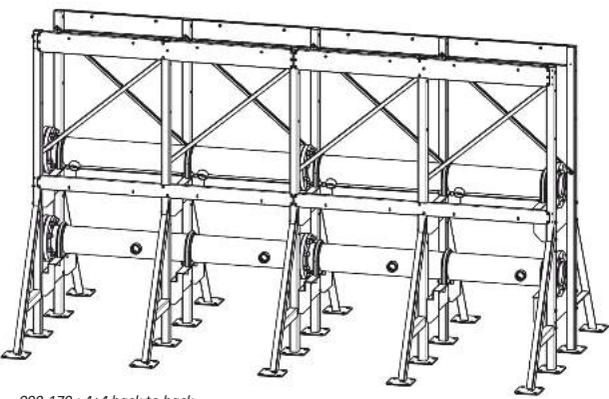
090-160 : 3 boiler in line



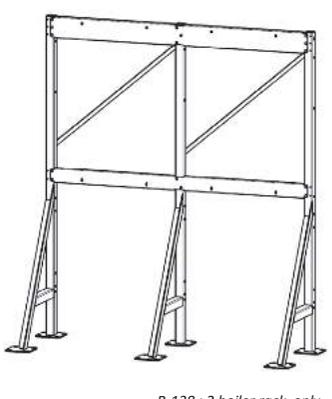
090-161 : 4 boiler in line



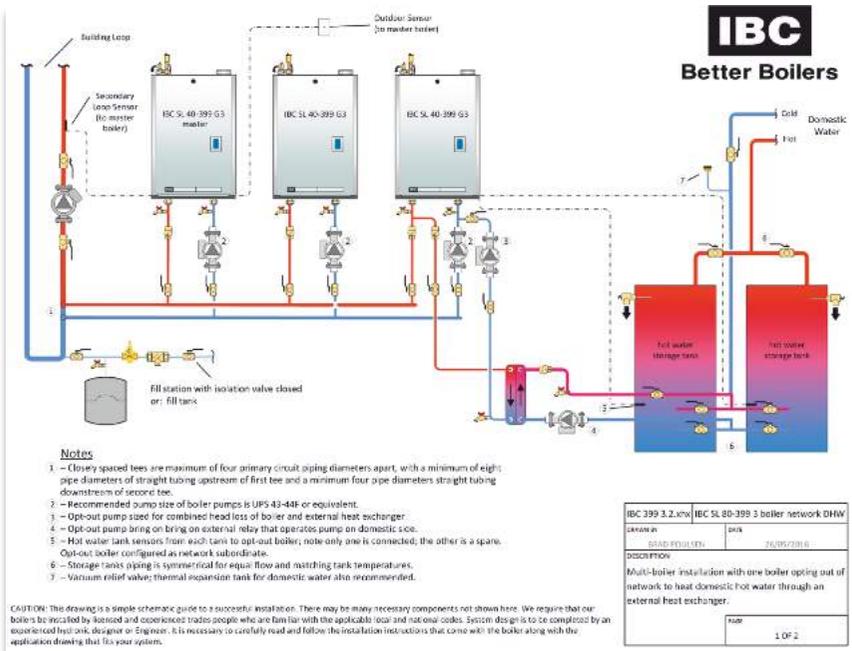
090-167 : 2+2 back to back



090-170 : 4+4 back to back



R-138 : 2 boiler rack only



For further application drawings see our website at www.ibcboiler.com

IBC[®] Better Boilers

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Cinnaminson, NJ 08077
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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

900-160 R8 Feb 2018