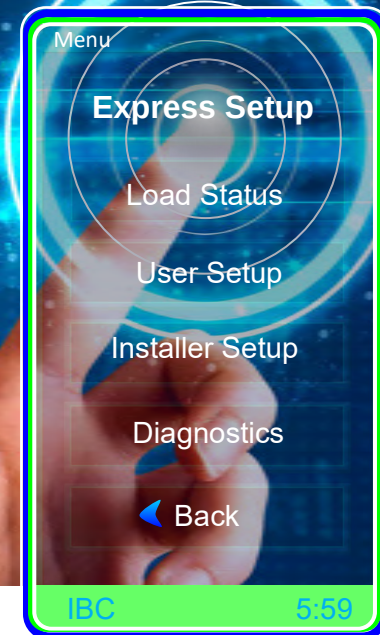
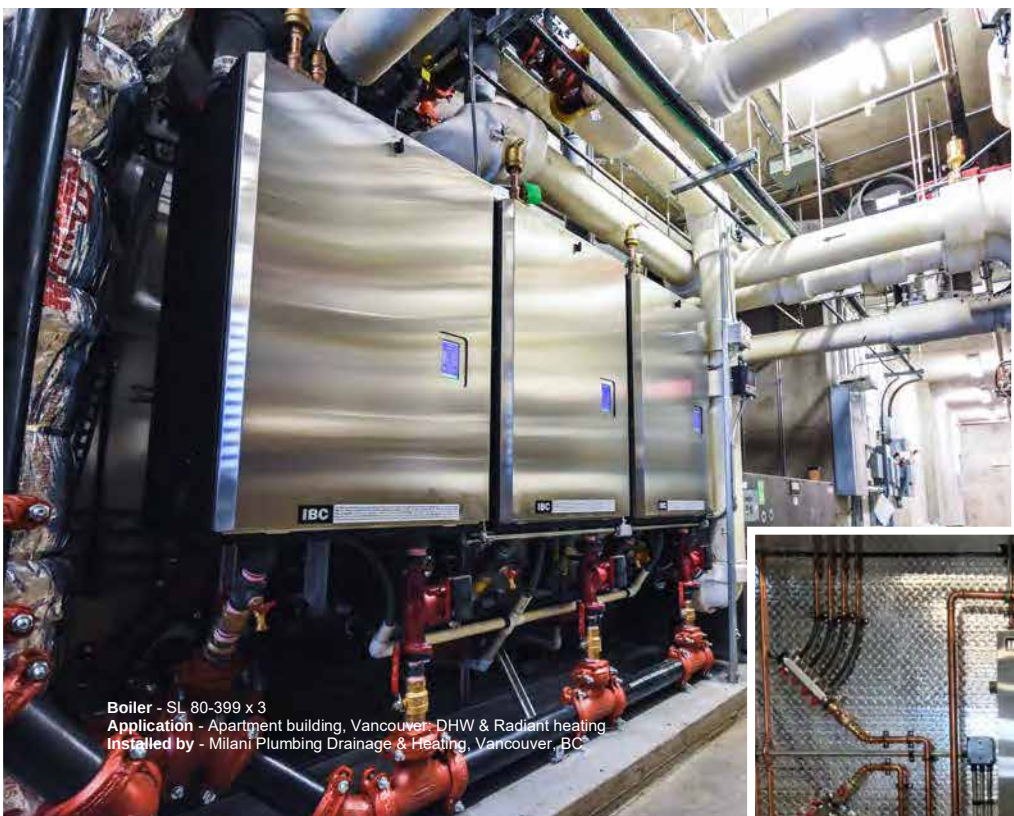


NEW
PRODUCTS



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 Côté, 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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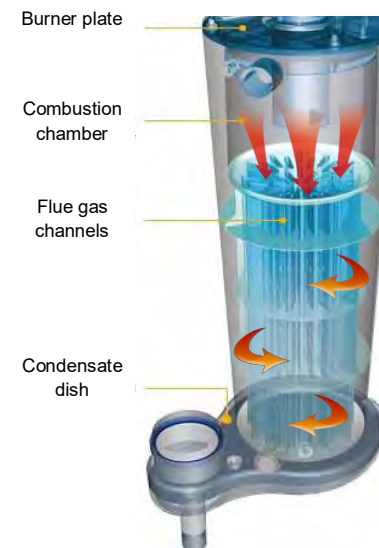


Made of high grade 439 stainless steel

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. (SL 14-115G3, SL 20-160G3, SL 30-199G3)
- 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	0 - 12,000 ft	0 - 12,000 ft	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'	100'
Maximum equivalent vent length, each side (Natural Gas or Propane)	3"	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

www.ibcboiler.com



NEW SIZE

SL Series G3

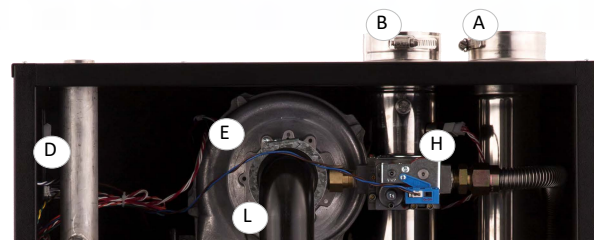




SL 10-85G3 / SL 14-115G3 / SL 20-160G3 / SL 30-199G3



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	P-325	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-270	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 3"	200'	
(Natural Gas or Propane) 4"		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.

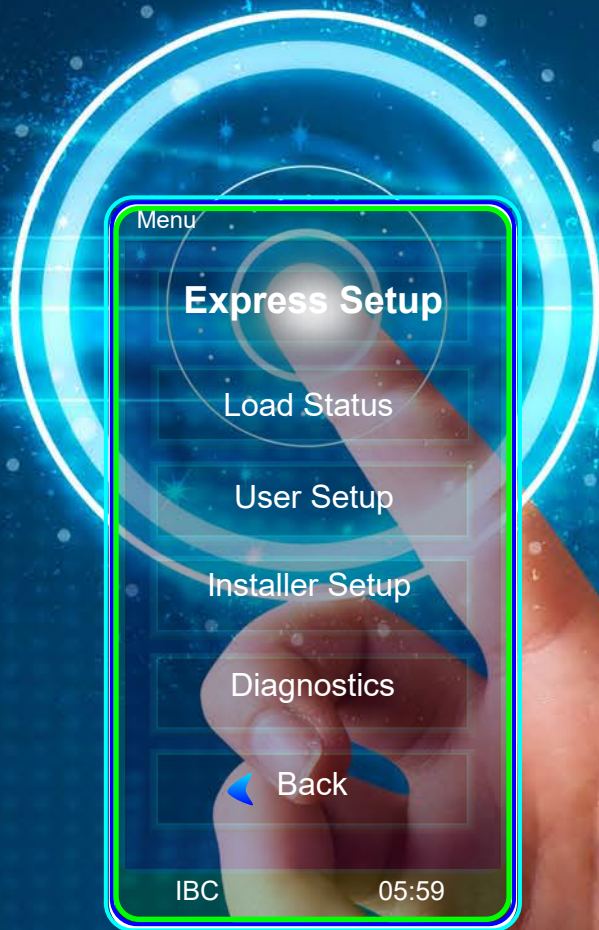
Exhaust pipe size	Maximum equivalent length	
	SL 26-260G3	SL 40-399G3
Sched.40; Rigid PPs	(each side)	
3"	200'	
4"		200'
90° long sweep elbow	Allow 5' equivalent	Allow 5' equivalent
90° vent elbow	Allow 8' equivalent	Allow 8' equivalent
45° elbow	Allow 3' equivalent	Allow 3' equivalent
PPs 87-90° elbows	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



SL Series G3



www.ibcboiler.com



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

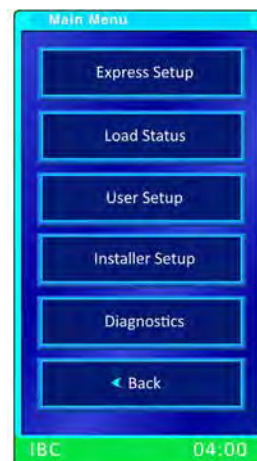
- Seamlessly integrate IBC BACnet enabled boilers into your current building automation system.

MORE FLEXIBILITY

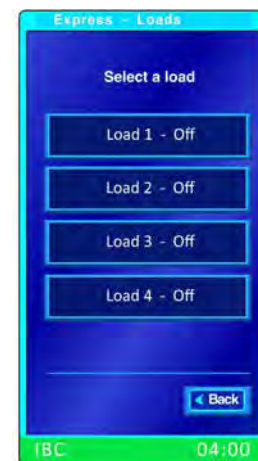
- Intuitive alert system with plain English warnings & error messages.
- Built-in alarm notification relay.
- Reverse flow detection.
- Automatic altitude adjustment.
- Pre-programmed values for all load types.



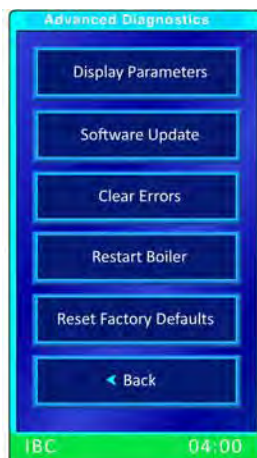
Home Page Screen



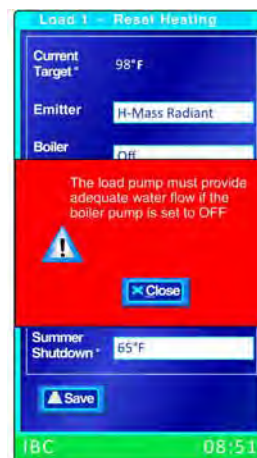
Main Menu



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.

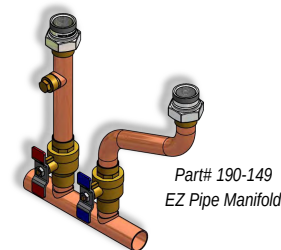
Specification	HC 13-50	HC 23-84	HC 29-106	HC 20-125	HC 33-160
CSA Input (Natural Gas or Propane *) - MBH	13.5 - 51	23 - 84	28.5 - 106	20 - 125	33 - 160
CSA Input (Natural Gas or Propane *) - KW	3.95 - 14.94	6.7 - 24.9	8.4 - 31.0	5.6 - 36.6	9.7 - 46.9
CSA Output - MBH	12.4 - 45.4	21.2 - 74.8	26.3 - 94.3	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
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



www.ibcboiler.com



THE ONLY FULLY CONDENSING COMBI ON THE MARKET

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 CONDENSING COMBI BOILERS

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

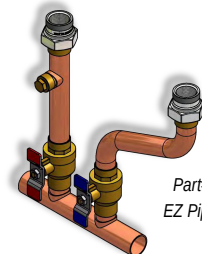
- Up to 95% AFUE with full ASME-rated vessel.
- Two independent copper coils embedded in a cast aluminium heat exchanger.
- Built-in boiler pump.
- PVC/CPVC/PPs approved.
- Low lead certified.
- Self-cleaning, self-draining vertical fin heat exchanger.
- Built-in supply and return sensors control the 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



Part# 190-149
EZ Pipe Manifold

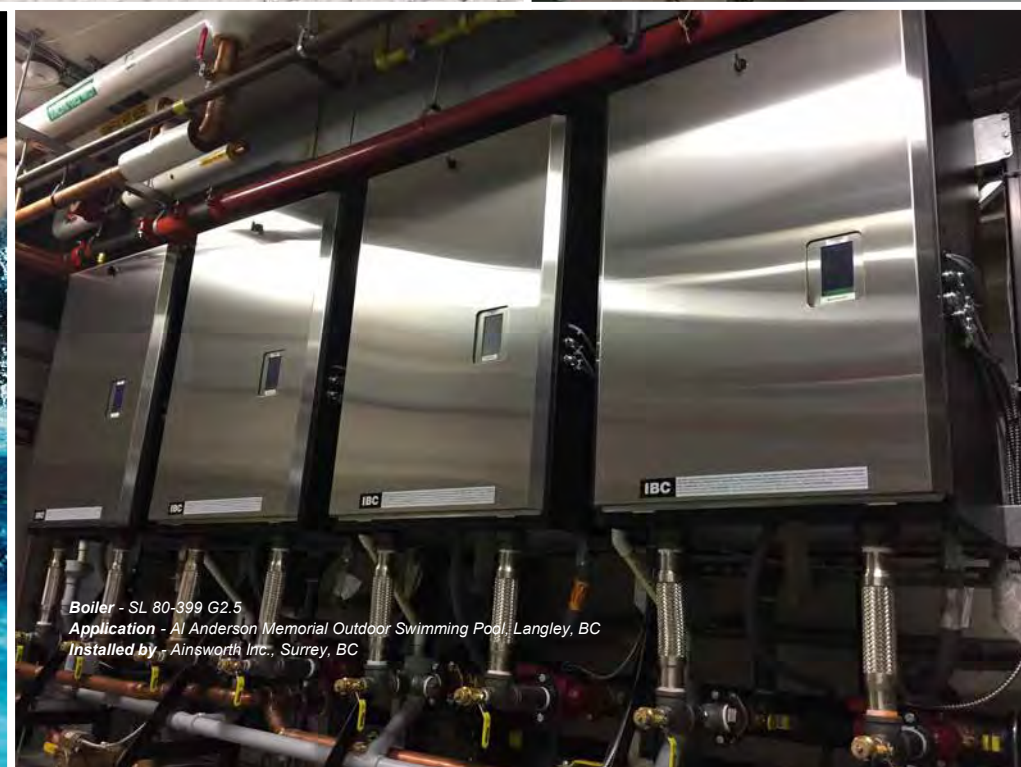


DC Series



www.ibcboiler.com





Boiler - SL 80-399 G2.5
Application - Al Anderson Memorial Outdoor Swimming Pool, Langley, BC
Installed by - Ainsworth Inc., Surrey, BC



INTERSTOR INDIRECT WATER HEATERS



=



Standard
Gas



Standard
Gas



Standard
Gas

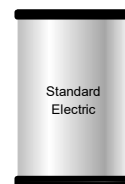
or



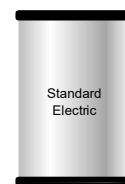
Standard
Electric



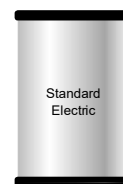
Standard
Electric



Standard
Electric



Standard
Electric



Standard
Electric



30 TO 119 GALLON (US)

Regular, Max & XHO Options Available

INTERSTOR INDIRECT WATER HEATERS

- High performance domestic hot water.
- Constructed of 444 grade stainless steel, pickled & passivated for the highest possible resistance to corrosion.
- High capacity smooth wall stainless steel coil.
- Maintenance free design.
- Regular, MAX & XHO options available.
- Light weight for easy installation.
- 2" of polystyrene foam insulation for an extremely low standby heat loss.
- Removable inspection port for easy access to coil and tank.
- Standard Aquastat & 10K Ω temperature sensor.
- 10 year non-prorated residential warranty with limited lifetime option.



Conforms to / Conforme à la
NSF / ANSI Std. 372



Conforms to the A.G.A. Requirement for Indirect Water
Heaters for use with External Heat Source, No. 1-31.

UP TO

5 X More DHW

THAN CONVENTIONAL GAS OR ELECTRIC WATER HEATERS.

MODEL	MAX. FIRST HOUR RATING US GAL/HR @ 135F	CONTINUOUS RATING US GAL/HR@ 135F	BOILER OUTPUT REQUIRED BTU/HR	BOILER WATER FLOW GPM	PRESSURE DROP THROUGH COIL (FT. WATER)
-------	--	--	-------------------------------------	--------------------------	---

Based on 180°F boiler supply & 58°F entering cold water

BTI 30	159	137	88,000	8	3
BTI 40	188	156	100,000	8	3
BTI 55	200	156	100,000	8	3
BTI 65	325	269	172,000	13	4
BTI 80-MAX	453	393	251,000	15	7
BTI 119-MAX	545	449	288,000	20	13.9

Commercial Tanks - GO XHO!

5 year commercial warranty

MODEL	MAX. FIRST HOUR RATING US GAL/HR @ 140F 115F	CONTINUOUS RATING US GAL/HR@ 140F 115F	BOILER OUTPUT REQUIRED BTU/HR	BOILER WATER FLOW GPM	PRESSURE DROP THROUGH COIL (FT. WATER)
-------	---	---	-------------------------------------	--------------------------	---

Based on 200°F boiler supply & 50°F entering cold water

85 XHO	738	992	660	914	495,000	28	13
115XHO	763	1017	660	914	495,000	28	13

Based on 180°F boiler supply & 50°F entering cold water

85 XHO	641	862	570	790	428,000	28	13
115XHO	673	893	570	790	428,000	28	13

MODEL	TANK CAPACITY USG	DIMENSIONS HEIGHT INCHES	DIAMETER INCHES	PIPING CONNECTIONS NPT DOMESTIC WATER IN / OUT INCHES	BOILER WATER IN / OUT INCHES	RECIRCULATION N CONNECTION INCHES	RELIEF VALVE CONNECTION INCHES	APPROX. SHIPPING WEIGHT IBS
BTI 30	26.7	39.6	20	3/4	1	N/A	3/4	50.7
BTI 40	39.9	47.0	21.4	3/4	1	N/A	3/4	66.2
BTI 55	56.5	62.8	21.4	3/4	1	N/A	3/4	91.5
BTI 65	64.5	70.3	21.4	3/4	1	N/A	3/4	97.5

COMMERCIAL OPTIONS

BTI 80-MAX	79.9	70.0	23.8	1	1 1/2	3/4	1"	141.1
BTI 119-MAX	114.6	65.75	28.9	1 1/2	1 1/2	3/4	1"	177.5
85 XHO	86.9	64	28.0	1 1/2	1 1/2	N/A	N/A	215
115XHO	115.0	74	28.0	1 1/2	1 1/2	N/A	N/A	240

www.ibcboiler.com



INTERSTOR 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:

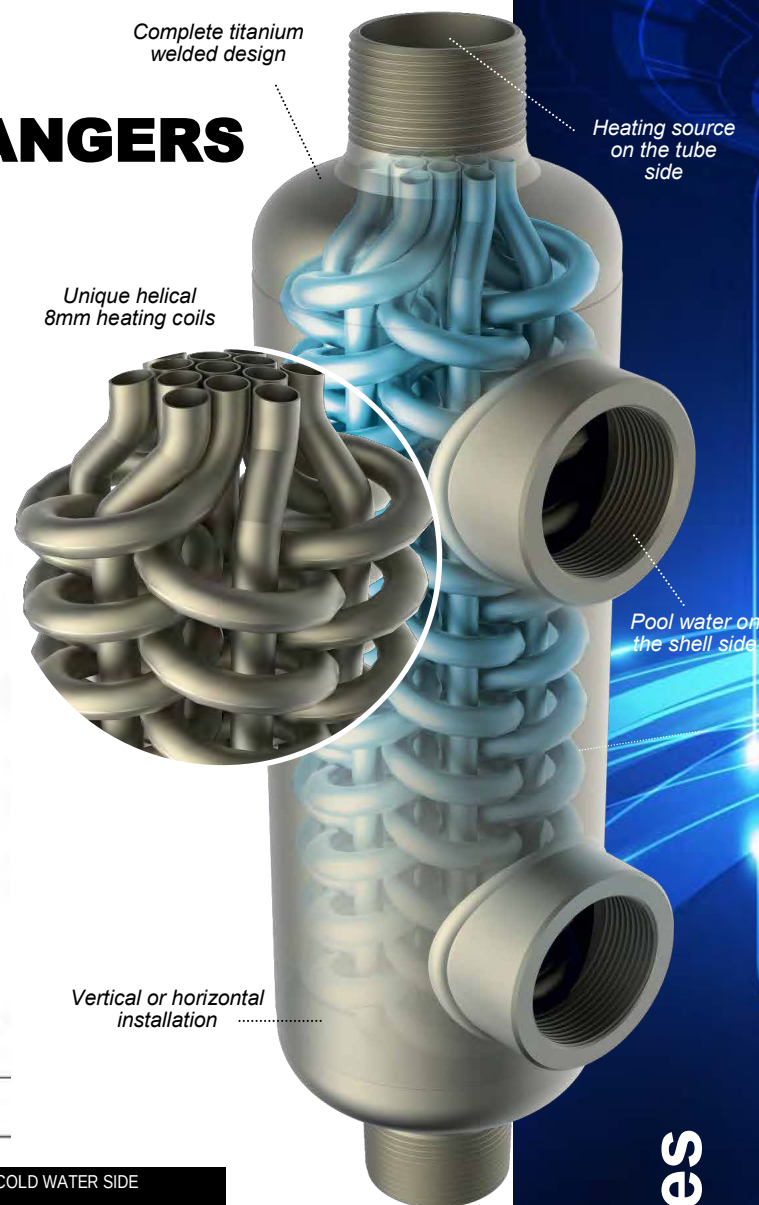
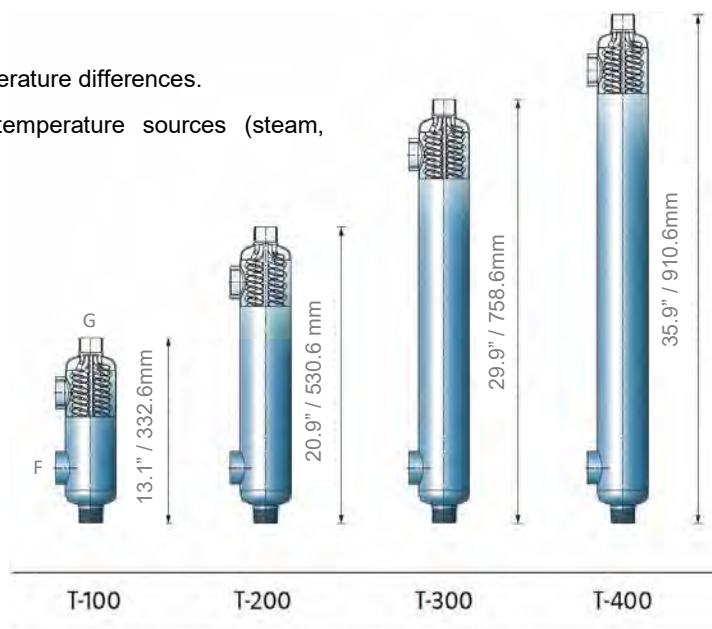
- Total immunity to salt corrosion even at high temperatures.
- Ultra-high thermal performance.
- Coil expansion handles extreme temperature differences.
- Swimming pools heated by high temperature sources (steam, refrigerants, solar).
- Light weight.

ROBUST AND COMPACT DESIGN
REQUIRES MINIMUM INSTALLATION SPACE

SUITABLE WITH HIGH FLUID FLOWS
AND LOW TEMPERATURE VARIANCES

SELF-CLEANING
SELF-DESCALING DESIGN

CAN BE CONNECTED TO BOILERS,
HEAT PUMPS OR SOLAR PANELS

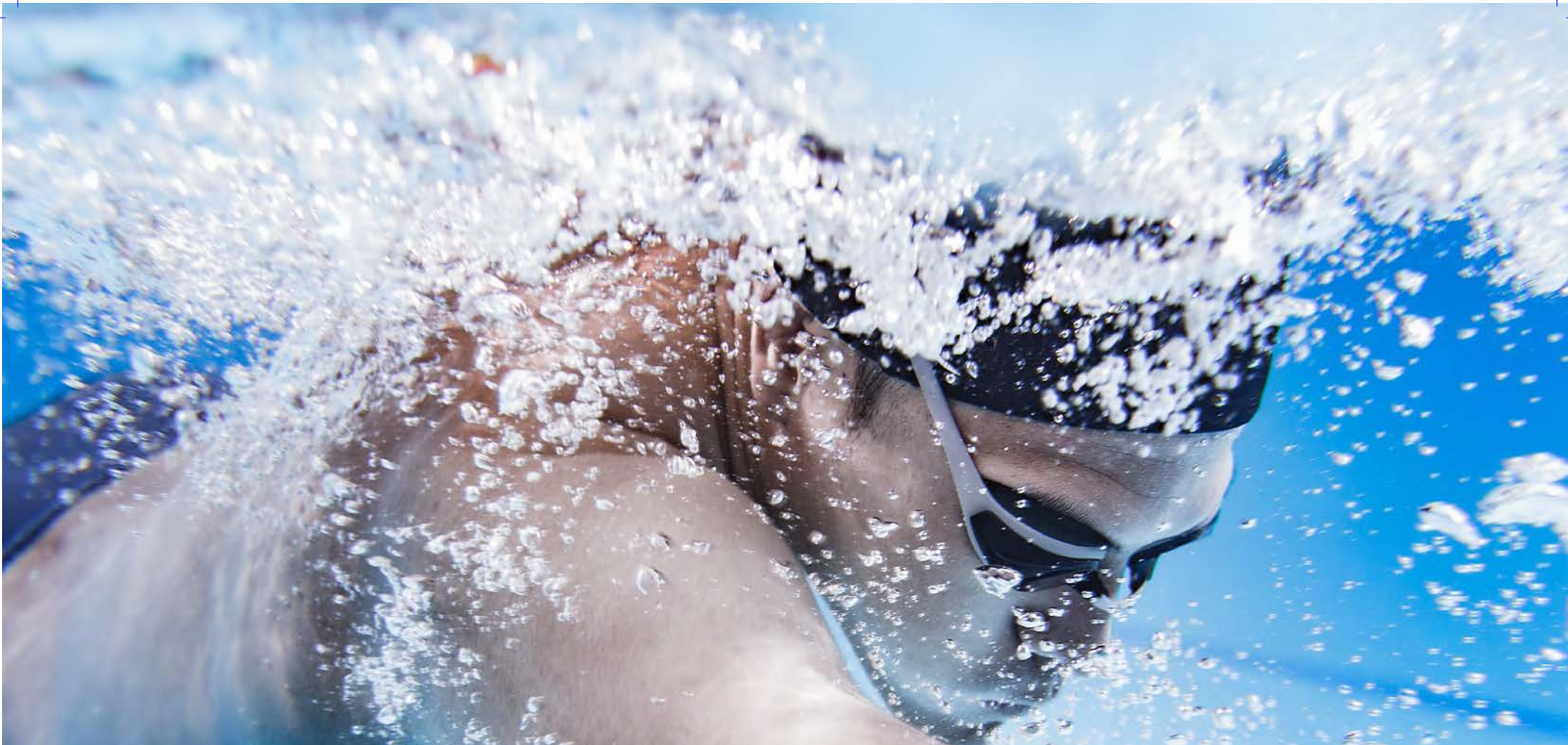


HEAT EXCHANGER MODEL	CONNECTIONS		HEAT TRANSFER AREA		NOMINAL CAPACITY		HOT WATER SIDE				COLD WATER SIDE				
	SHELL F	TUBES G	Diameter	sq ft	m²	kW	BTU/h	FLOW		PRESSURE DROP		FLOW		PRESSURE DROP	
								ltr/min	usg/min	kPa	PSI	ltr/min	usg/min	kPa	PSI
T-100	1 1/2"	1 1/2"	3.6"	2.24	0.21	29	100,000	17	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

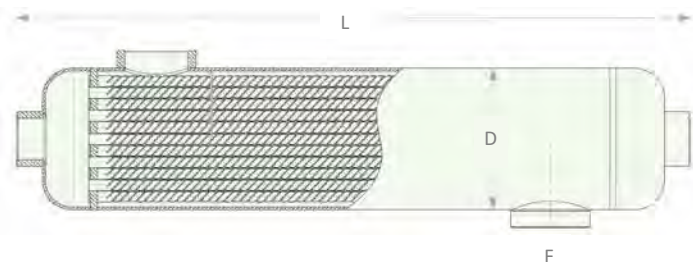
- Public swimming pools (freshwater).
- Boiler sample coolers.
- Waste water heat recovery systems.
- Condensate sub cooling.

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	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

www.ibcboiler.com

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



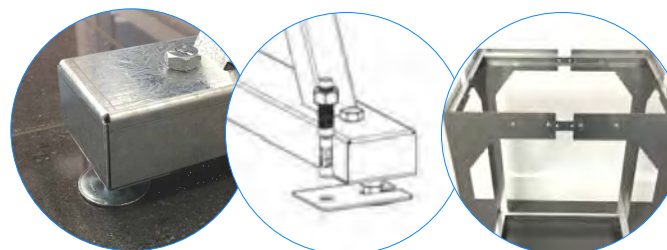
Expandable Stand

P-266

SL 26-260G3, SL 40-399G3

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.



Adjustable Feet

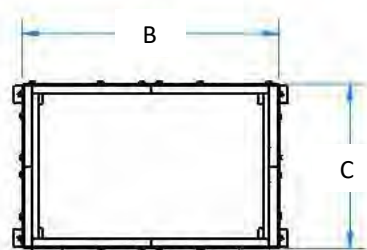
Floor Bolts

Expandable

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

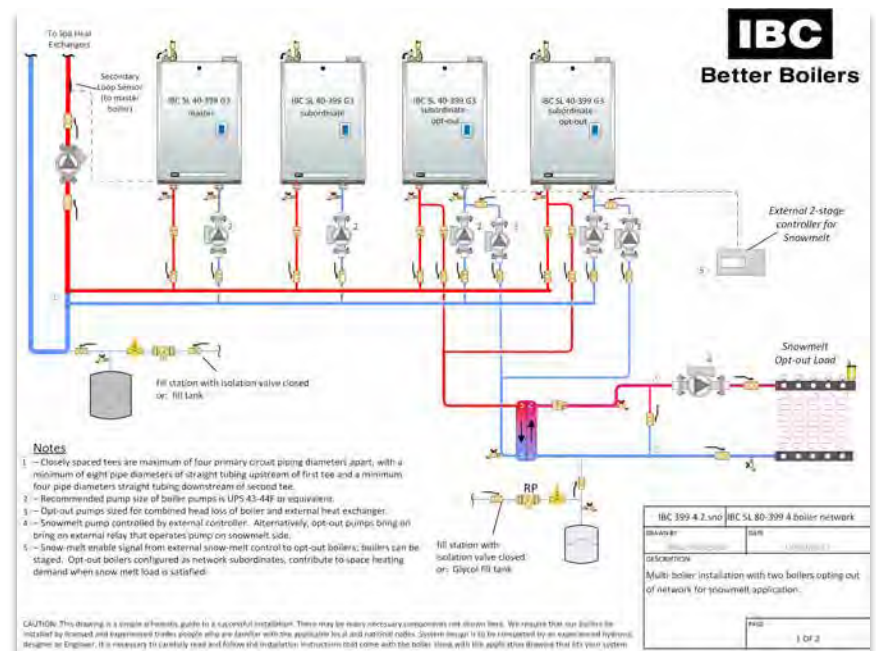
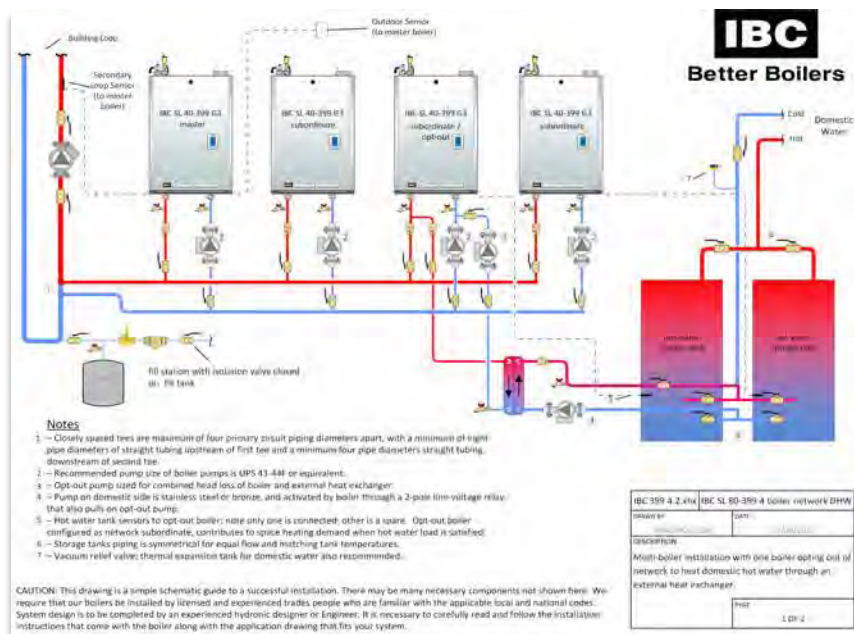
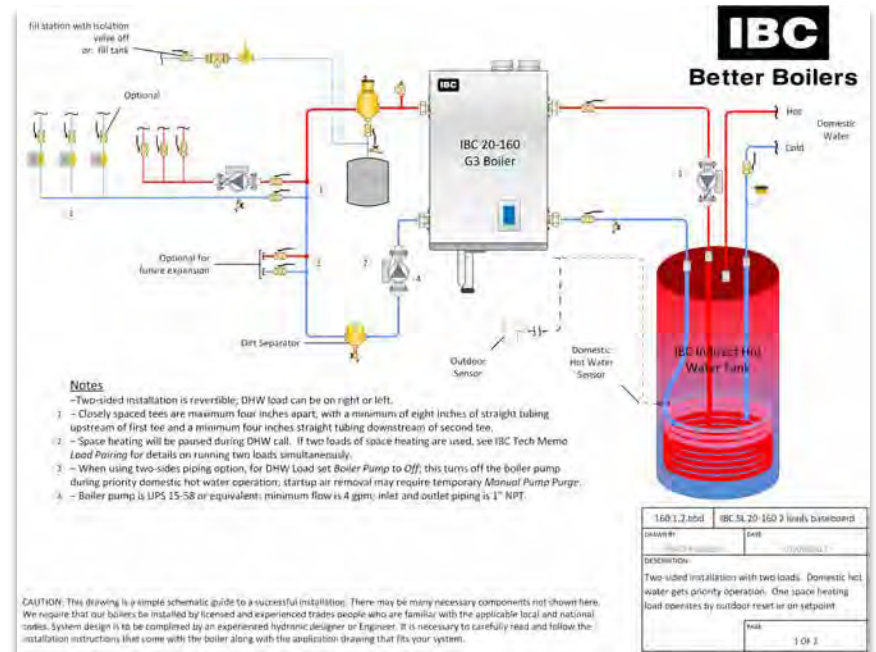
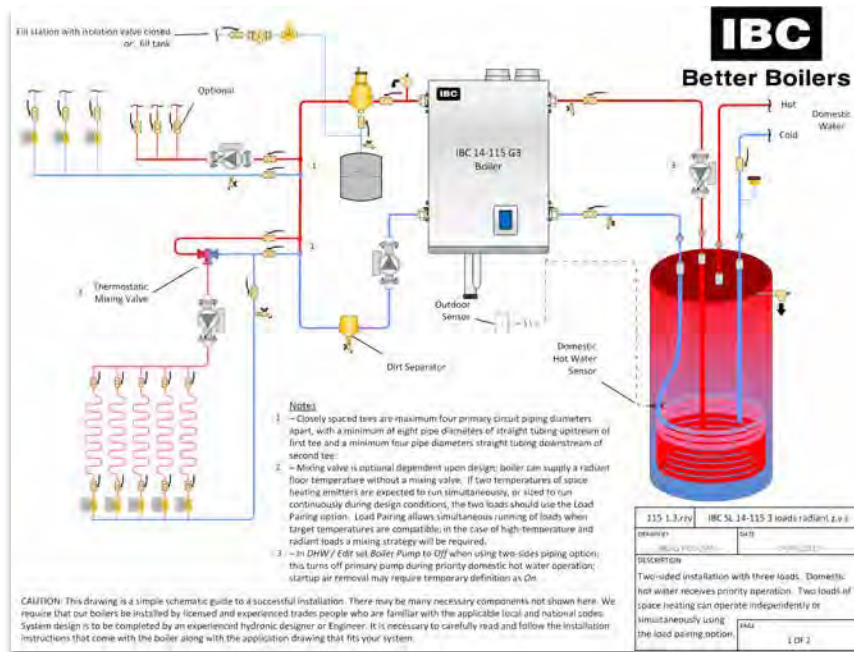


DC 20-125
& P-267
Floor Stand

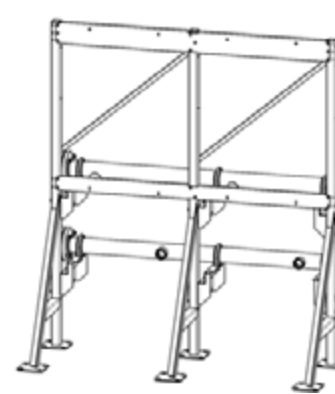
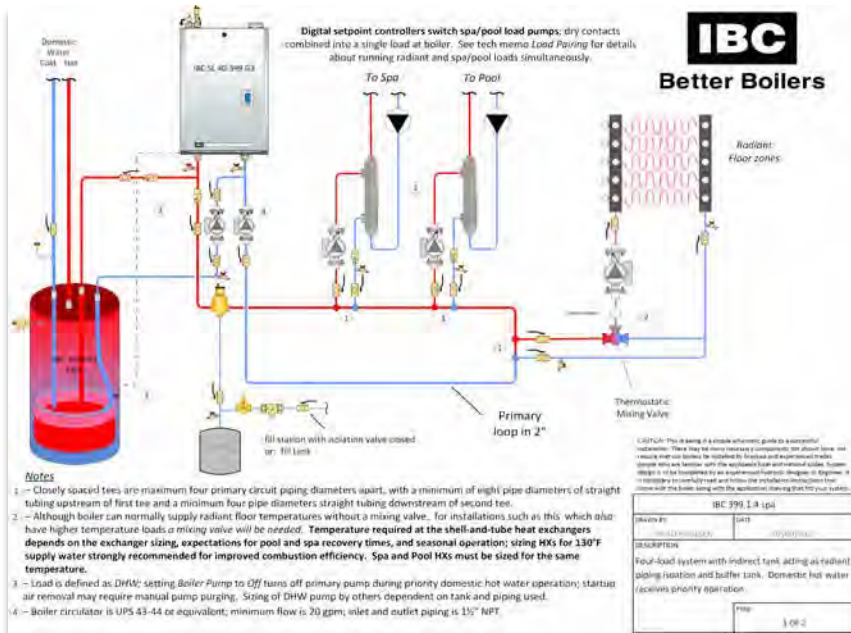


SL 26-260 &
P-266 Floor Stand

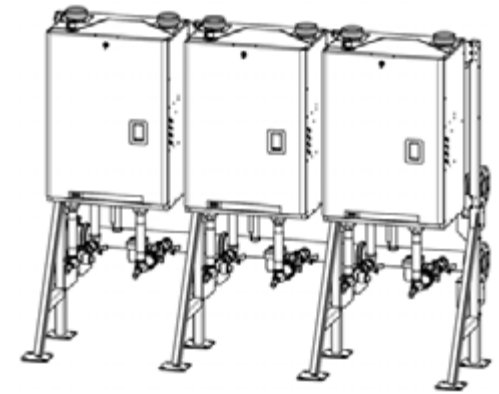
APPLICATION DRAWINGS



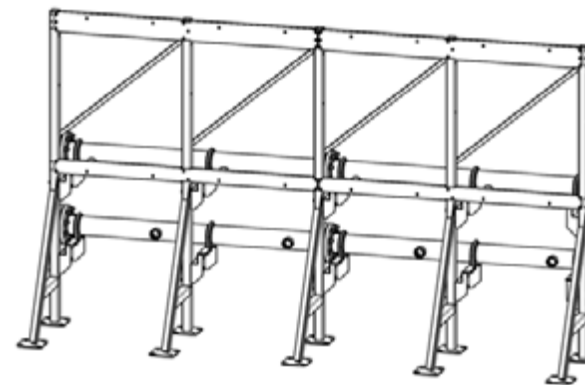
MULTIPLEX RACKING OPTIONS



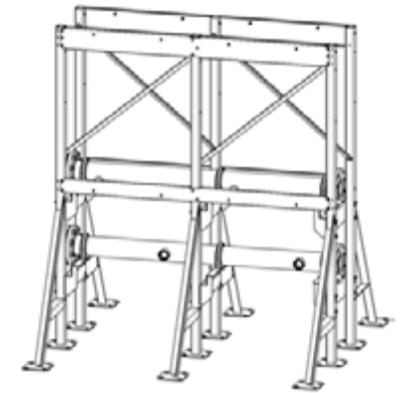
090-151 : 2 boiler in line



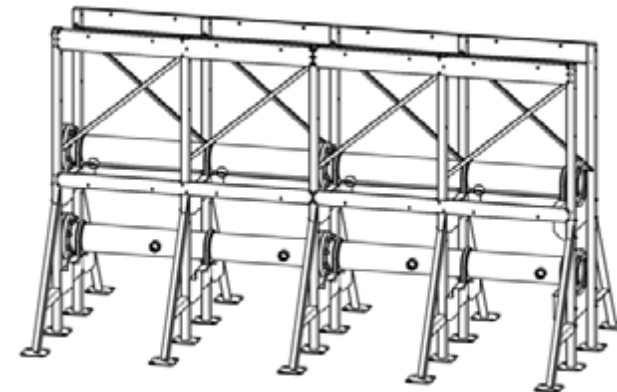
090-160 : 3 boiler in line



090-161 : 4 boiler in line



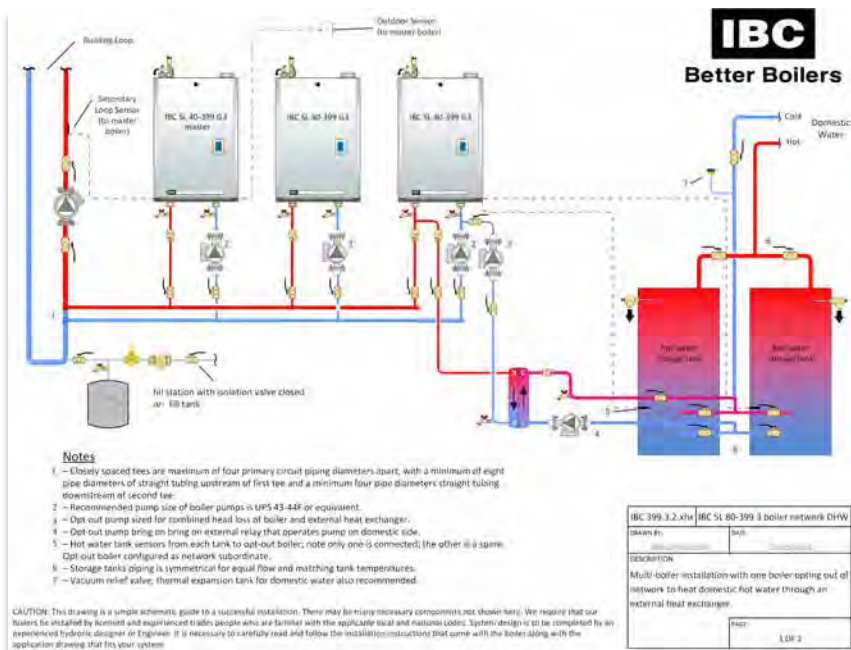
090-167 : 2+2 back to back



090-170 : 4+4 back to back



R-138 : 2 boiler rack only





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Fax: 604-877-0295



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Sheboygan, WI 53081
Tel: 920-783-8340
Fax: 920-783-8339

Unit 1, 1100 Taylors Lane,
Cinnaminson, NJ 08077
Tel: 856-887-0544
Fax: 856-735-5584



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

900-161 R8 Feb 2018