

* **Special Boiler for Heating Swimming pools**

Pool Boiler PB 040

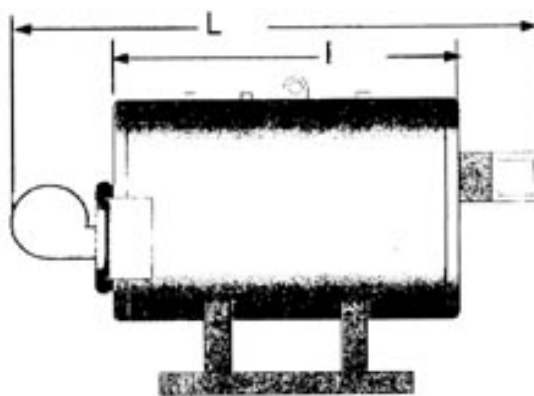
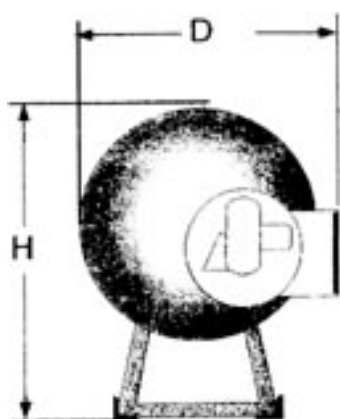
The German Design, Materials, Inspections and Tests with Egyptian Assembly

Technical Data:

1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 040	20 - 40	30 - 50	0.8 - 1.5	24 - 28	Up to 54	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
749	399	1400	1110	880	1230	1"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 040
Capacity	: Up to 50 m ³ Swimming Pool Volume and / or 40 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve - Sensors openings

Insulation : - Skid
 - Stack opening
 : For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)
Working Pressure : 6 bar
Testing Pressure : 10 bar
Material
Tube Sheet : St.St. 316
Tubes : St.St. 316
Baffles : St.St. 316
Welding : Argon
Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner
Model : Riello (or equivalent)
Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc
Sound Pressure : 57 db (A)
NOX Emission : < 250 mg/kw
Standard : EN267
Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* **Special Boiler for Heating Swimming pools**

Pool Boiler PB 060

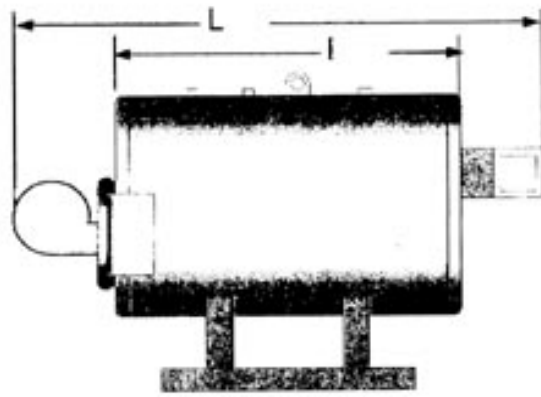
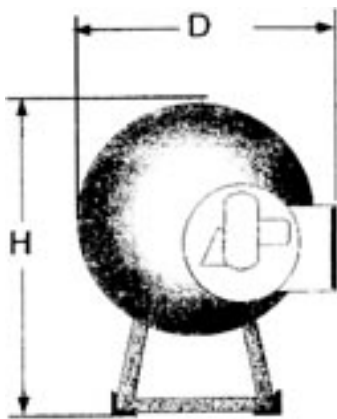
The German Design, Materials, Inspections and Tests with Egyptian Assembly

Technical Data:

1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 060	40 - 60	50 - 80	0.8 - 1.5	24 - 28	Up to 81	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
888	433	1640	1360	940	1290	1"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 060
Capacity	: Up to 80 m ³ Swimming Pool Volume and / or 60 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

- Sensors openings
 - Skid
 - Stack opening
Insulation : For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)
Working Pressure : 6 bar
Testing Pressure : 10 bar
Material
Tube Sheet : St.St. 316
Tubes : St.St. 316
Baffles : St.St. 316
Welding : Argon
Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

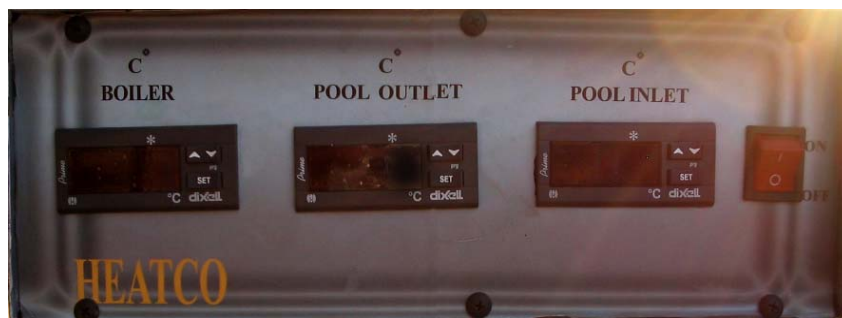
3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner
Model : Riello (or equivalent)
Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc
Sound Pressure : 57 db (A)
NOX Emission : < 250 mg/kw
Standard : EN267
Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* **Special Boiler for Heating Swimming pools**

Pool Boiler PB 100

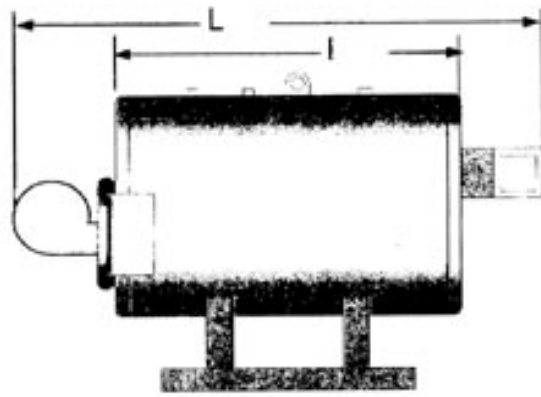
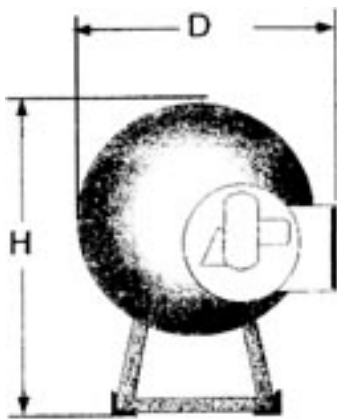
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Technical Data:

1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 100	60 - 100	80 - 120	1 - 1.8	24 - 28	Up to 135	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
1092	547	1640	1360	980	1330	1 1/2"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 100
Capacity	: Up to 120 m ³ Swimming Pool Volume and / or 100 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

Insulation

- Sensors openings
- Skid
- Stack opening

: For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)

Working Pressure : 6 bar

Testing Pressure : 10 bar

Material

Tube Sheet : St.St. 316

Tubes : St.St. 316

Baffles : St.St. 316

Welding : Argon

Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner

Model : Riello (or equivalent)

Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc

Sound Pressure : 57 db (A)

NOX Emission : < 250 mg/kw

Standard : EN267

Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* **Special Boiler for Heating Swimming pools**

Pool Boiler PB 150

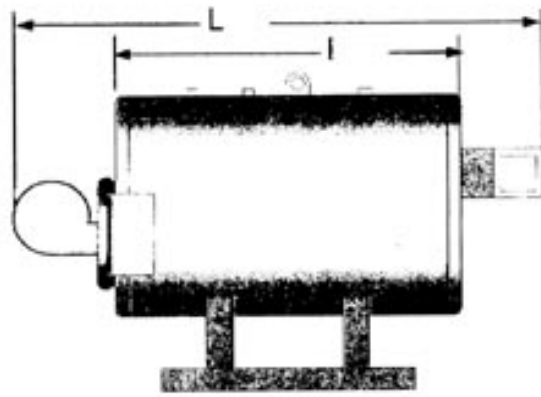
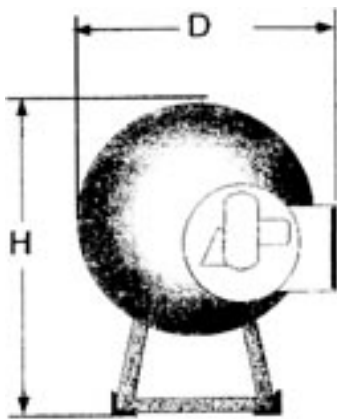
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Technical Data:

1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 150	100 -150	120 - 180	1 - 1.8	24 - 28	Up to 180	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
1437	632	2140	1860	1060	1410	1 1/2"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 150
Capacity	: Up to 180 m ³ Swimming Pool Volume and / or 150 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

Insulation

- Sensors openings
- Skid
- Stack opening

: For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)

Working Pressure : 6 bar

Testing Pressure : 10 bar

Material

Tube Sheet : St.St. 316

Tubes : St.St. 316

Baffles : St.St. 316

Welding : Argon

Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner

Model : Riello (or equivalent)

Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc

Sound Pressure : 57 db (A)

NOX Emission : < 250 mg/kw

Standard : EN267

Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* **Special Boiler for Heating Swimming pools**

Pool Boiler PB 200

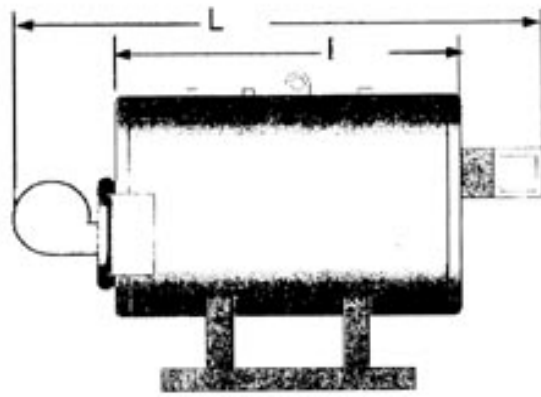
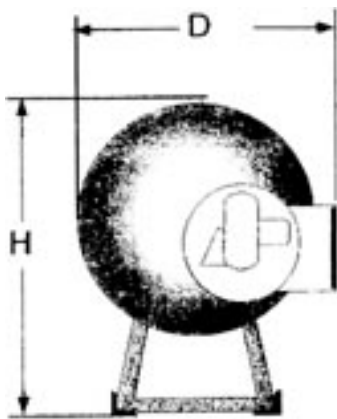
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Technical Data:

1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 200	150 -200	160 - 220	1 - 1.8	24 - 28	Up to 260	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
1722	845	1860	1580	1160	1510	2"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 200
Capacity	: Up to 220 m ³ Swimming Pool Volume and / or 200 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

- Sensors openings
 - Skid
 - Stack opening
Insulation : For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)
Working Pressure : 6 bar
Testing Pressure : 10 bar
Material
Tube Sheet : St.St. 316
Tubes : St.St. 316
Baffles : St.St. 316
Welding : Argon
Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner
Model : Riello (or equivalent)
Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc
Sound Pressure : 57 db (A)
NOX Emission : < 250 mg/kw
Standard : EN267
Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* **Special Boiler for Heating Swimming pools**

Pool Boiler PB 300

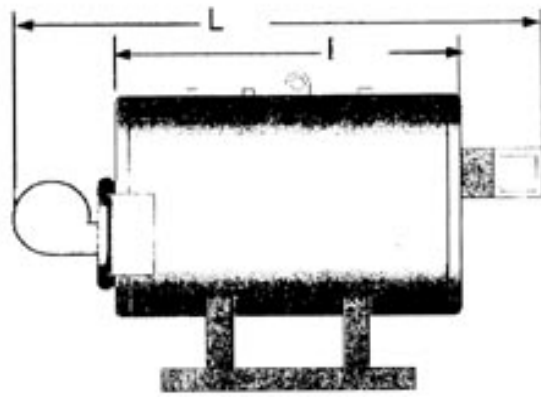
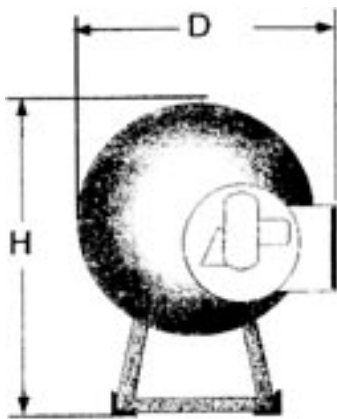
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Technical Data:

1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 300	200 -300	200 - 320	1.2 - 2	24 - 28	Up to 370	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
2291	997	2680	2180	1200	1550	2"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 300
Capacity	: Up to 320 m ³ Swimming Pool Volume and / or 300 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

- Sensors openings
 - Skid
 - Stack opening
Insulation : For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)
Working Pressure : 6 bar
Testing Pressure : 10 bar
Material
Tube Sheet : St.St. 316
Tubes : St.St. 316
Baffles : St.St. 316
Welding : Argon
Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

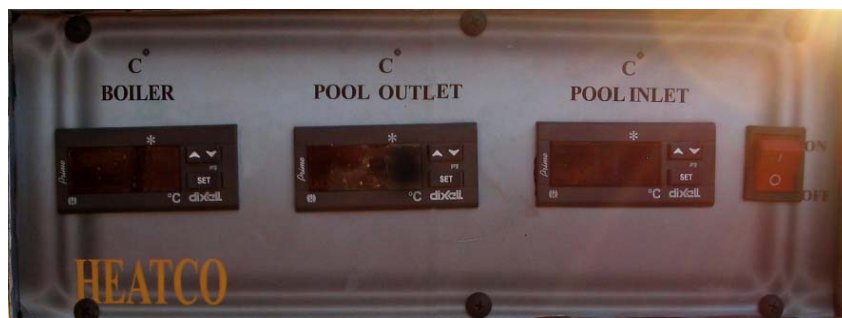
3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner
Model : Riello (or equivalent)
Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc
Sound Pressure : 57 db (A)
NOX Emission : < 250 mg/kw
Standard : EN267
Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

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- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* Special Boiler for Heating Swimming pools

Pool Boiler PB 400

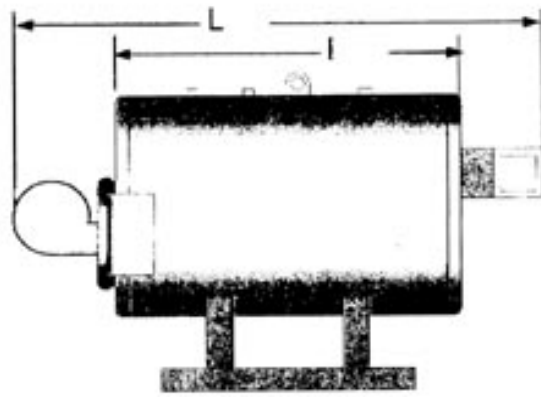
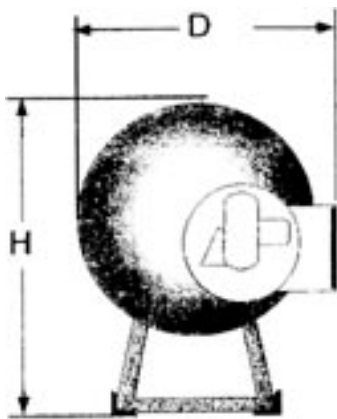
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A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 400	300 -400	300 - 450	1.2 - 2	24 - 28	Up to 480	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
2188	1124	2380	1880	1280	1630	2"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 400
Capacity	: Up to 450 m ³ Swimming Pool Volume and / or 400 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

- Sensors openings
 - Skid
 - Stack opening
Insulation : For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)
Working Pressure : 6 bar
Testing Pressure : 10 bar
Material
Tube Sheet : St.St. 316
Tubes : St.St. 316
Baffles : St.St. 316
Welding : Argon
Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

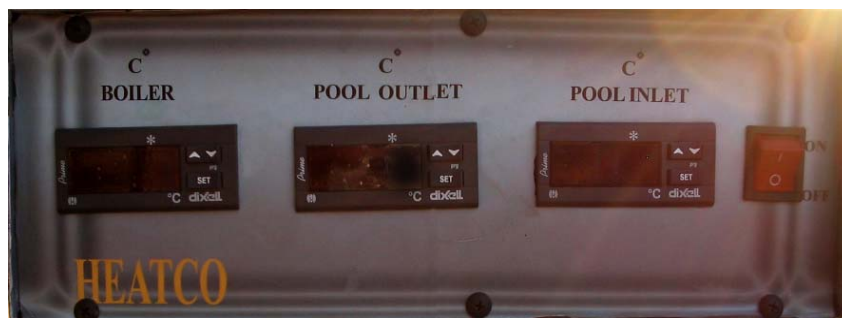
3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner
Model : Riello (or equivalent)
Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc
Sound Pressure : 57 db (A)
NOX Emission : < 250 mg/kw
Standard : EN267
Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* **Special Boiler for Heating Swimming pools**

Pool Boiler PB 500

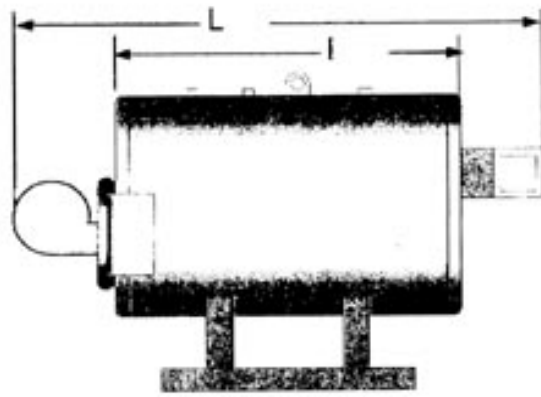
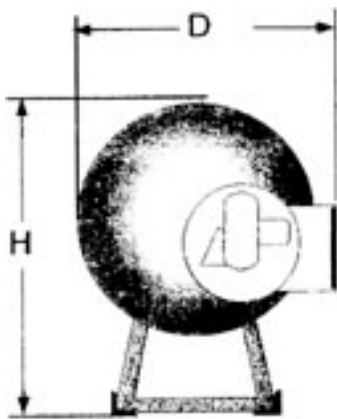
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1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 500	400 -500	400 - 600	1.2 - 2	24 - 28	Up to 600	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
2768	1354	3060	2380	1340	1690	2"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 500
Capacity	: Up to 600 m ³ Swimming Pool Volume and / or 500 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

- Sensors openings
 - Skid
 - Stack opening
Insulation : For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)
Working Pressure : 6 bar
Testing Pressure : 10 bar
Material
Tube Sheet : St.St. 316
Tubes : St.St. 316
Baffles : St.St. 316
Welding : Argon
Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner
Model : Riello (or equivalent)
Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc
Sound Pressure : 57 db (A)
NOX Emission : < 250 mg/kw
Standard : EN267
Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* **Special Boiler for Heating Swimming pools**

Pool Boiler PB 750

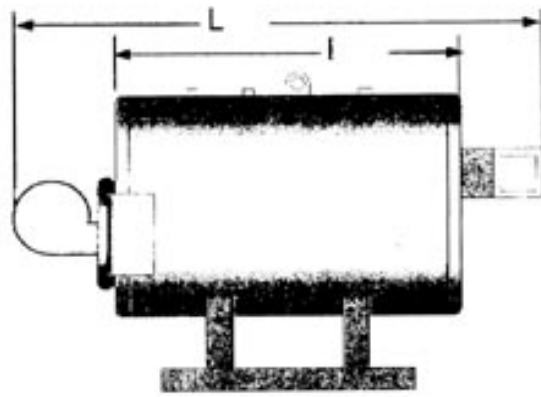
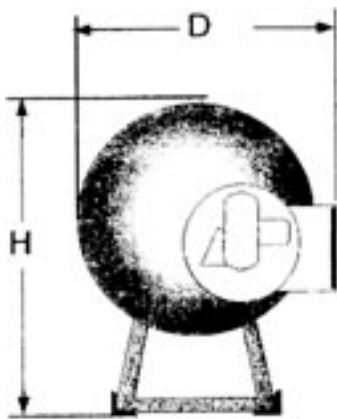
The German Design, Materials, Inspections and Tests with Egyptian Assembly

Technical Data:

1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 750	500 -750	600 - 900	1.2 - 2.5	24 - 28	Up to 360	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
3529	1860	2940	2260	1440	1790	2 1/2"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 750
Capacity	: Up to 900 m ³ Swimming Pool Volume and / or 750 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

- Sensors openings
 - Skid
 - Stack opening
Insulation : For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)
Working Pressure : 6 bar
Testing Pressure : 10 bar
Material
Tube Sheet : St.St. 316
Tubes : St.St. 316
Baffles : St.St. 316
Welding : Argon
Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner
Model : Riello (or equivalent)
Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc
Sound Pressure : 57 db (A)
NOX Emission : < 250 mg/kw
Standard : EN267
Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* **Special Boiler for Heating Swimming pools**

Pool Boiler PB 1000

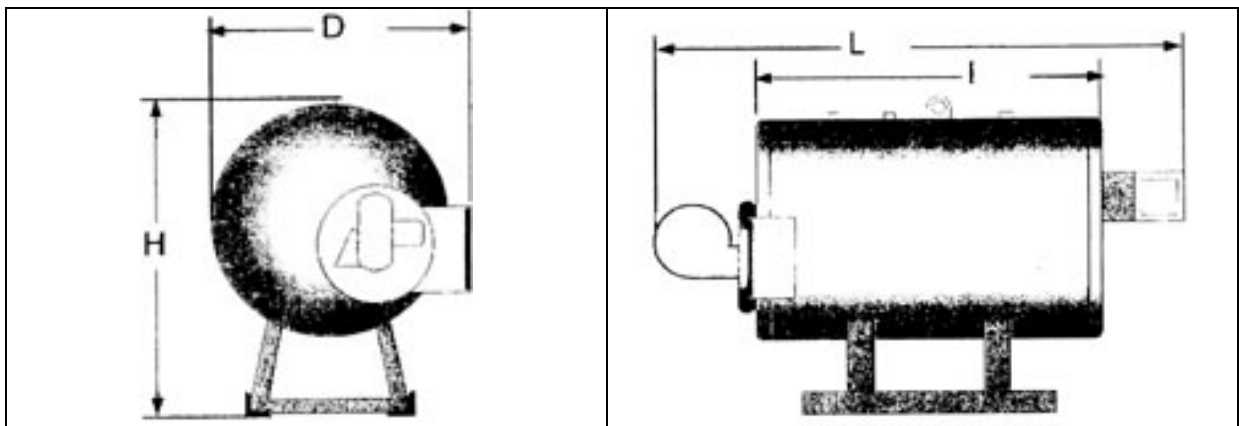
The German Design, Materials, Inspections and Tests with Egyptian Assembly

Technical Data:

1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 1000	750 - 1000	900 - 1200	1.2 – 2.5	24 - 28	Up to 1180	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
4418	2272	3490	2810	1540	1870	2 1/2"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 1000
Capacity	: Up to 1200 m ³ Swimming Pool Volume and / or 1000 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

- Sensors openings
 - Skid
 - Stack opening
Insulation : For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)
Working Pressure : 6 bar
Testing Pressure : 10 bar
Material
Tube Sheet : St.St. 316
Tubes : St.St. 316
Baffles : St.St. 316
Welding : Argon
Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

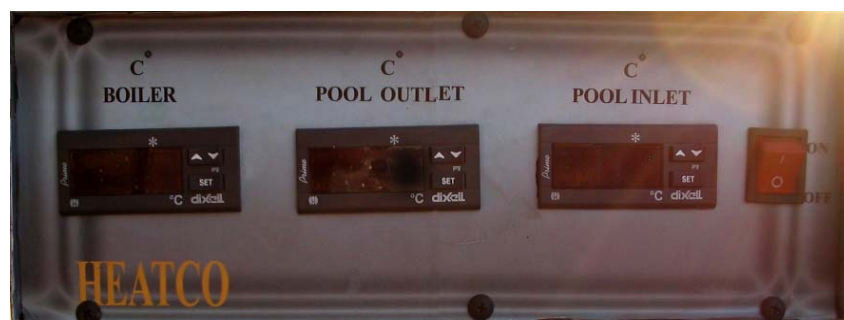
3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner
Model : Riello (or equivalent)
Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc
Sound Pressure : 57 db (A)
NOX Emission : < 250 mg/kw
Standard : EN267
Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* **Special Boiler for Heating Swimming pools**

Pool Boiler PB 1500

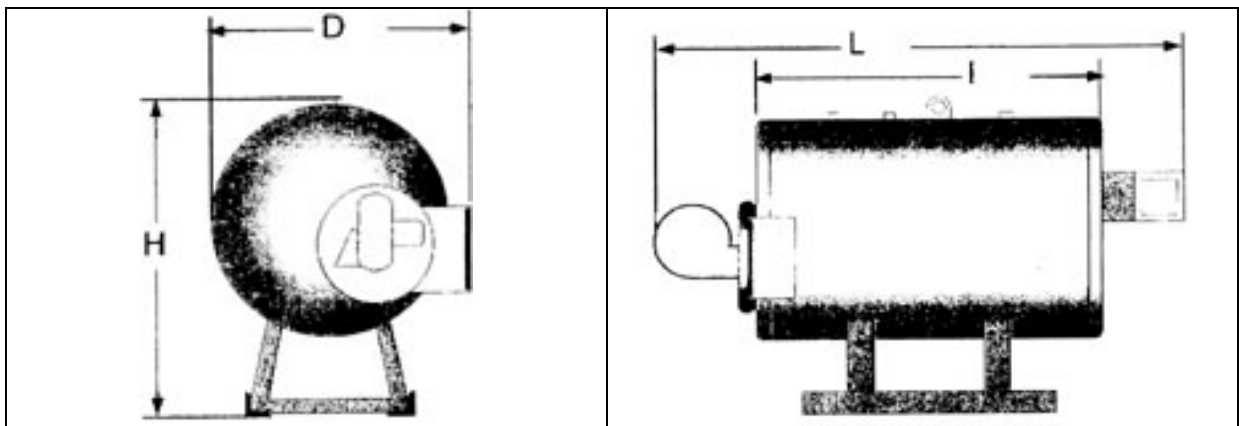
The German Design, Materials, Inspections and Tests with Egyptian Assembly

Technical Data:

1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 1500	1000 – 1500	1200-1800	1.2 – 2.5	24 - 28	Up to 1760	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
5822	3234	3540	2840	1720	2070	3"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 1500
Capacity	: Up to 1800 m ³ Swimming Pool Volume and / or 1500 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

- Sensors openings
 - Skid
 - Stack opening
Insulation : For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)
Working Pressure : 6 bar
Testing Pressure : 10 bar
Material
Tube Sheet : St.St. 316
Tubes : St.St. 316
Baffles : St.St. 316
Welding : Argon
Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner
Model : Riello (or equivalent)
Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc
Sound Pressure : 57 db (A)
NOX Emission : < 250 mg/kw
Standard : EN267
Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* **Special Boiler for Heating Swimming pools**

Pool Boiler PB 2000

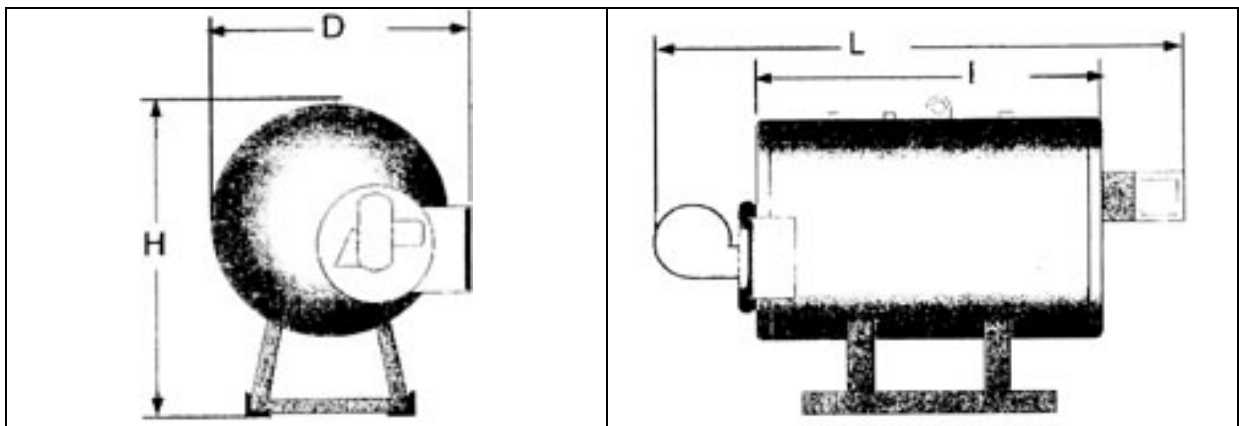
The German Design, Materials, Inspections and Tests with Egyptian Assembly

Technical Data:

1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 2000	1500-2000	1500-2400	1.3-3.75	24 - 28	Up to 2320	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
4418	2272	3490	2810	1520	1870	3"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 2000
Capacity	: Up to 2400 m ³ Swimming Pool Volume and / or 2000 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

Insulation

- Sensors openings
- Skid
- Stack opening

: For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)

Working Pressure : 6 bar

Testing Pressure : 10 bar

Material

Tube Sheet : St.St. 316

Tubes : St.St. 316

Baffles : St.St. 316

Welding : Argon

Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner

Model : Riello (or equivalent)

Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc

Sound Pressure : 57 db (A)

NOX Emission : < 250 mg/kw

Standard : EN267

Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* Special Boiler for Heating Swimming pools

Pool Boiler PB 2500

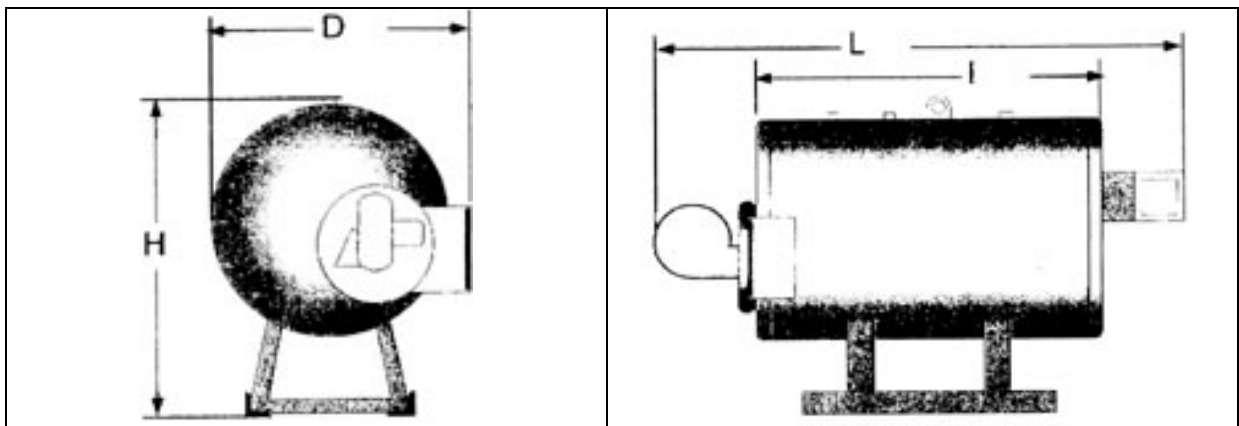
The German Design, Materials, Inspections and Tests with Egyptian Assembly

Technical Data:

1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 2500	2000-2500	2000-3000	1.3-3.75	24 - 28	Up to 2860	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
8541	4936	4260	3560	1840	2190	4"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 2500
Capacity	: Up to 3000 m ³ Swimming Pool Volume and / or 2500 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

- Sensors openings
 - Skid
 - Stack opening
Insulation : For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

Type : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)
Working Pressure : 6 bar
Testing Pressure : 10 bar
Material
Tube Sheet : St.St. 316
Tubes : St.St. 316
Baffles : St.St. 316
Welding : Argon
Accessories : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

Type : Automatic, Force Draught Burner
Model : Riello (or equivalent)
Accessories : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc
Sound Pressure : 57 db (A)
NOX Emission : < 250 mg/kw
Standard : EN267
Negative Pressure : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off



* **Special Boiler for Heating Swimming pools**

Pool Boiler PB 3000

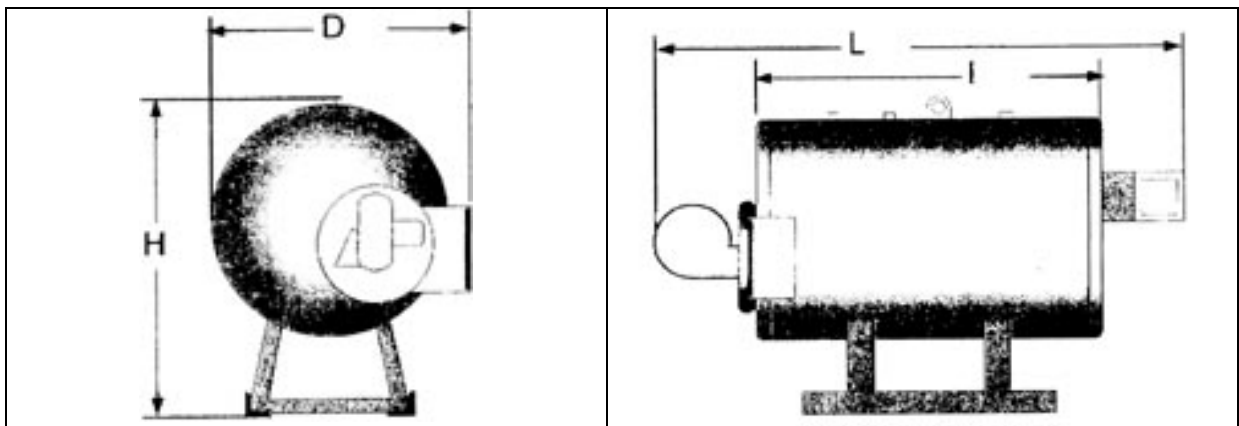
The German Design, Materials, Inspections and Tests with Egyptian Assembly

Technical Data:

1- Packaged type, Hot Water Boiler with built-in Heat Exchanger.

A- Main Components:

1. Boiler Body
2. Instantaneous Heat Exchanger
3. Natural Gas
4. Chimney
5. Control panel



Swimming Pool						
Type	Surface area m ²	Water volume m ³	Water depth m	Water temp. degree C	Burner capacity KW	
PB 3000	2500-3000	3000-4000	1.3-3.75	24 - 28	Up to 3480	
Pool Boiler						
Gross weight W..kg	Empty weight W..kg	Max length L..mm	Body length L..mm	Max width D..mm	Max height H..mm	Inlet Dia. D..Inch
9678	5477	4960	4110	1960	2310	4"

1- Boiler Body:

Type	: Horizontal, 3-pass, Wet back, Fire Tube, Hot Water Boiler
Model	: PB 040
Capacity	: Up to 4000 m ³ Swimming Pool Volume and / or 3000 m ² area
Δt	: Up to 15°C rising temp
Operating Temp	: Up to 90°C
Operating Pressure	: 1 bar
Testing Pressure	: 4 bar
Design	: According to TRD standards
Material	: According to DIN 17155, DIN 17175
Test	: According to TUV standards
Accessories	: - Drain Valve - Vent Valve

- Sensors openings
 - Skid
 - Stack opening
- Insulation** : For body 50 mm of rock wool matrix, density 80 kg/m³
 For doors 40 mm of ceramic, density 150 kg/m³
 For main fire tube, heat resistance special cement

2- Instantaneous Heat Exchanger

- Type** : Shell and Tube, U-Tube Heat Bundle, with easy removable coil.
 Water flow rate needed: 80 m³/hr 24 hours/day (by others)
- Working Pressure** : 6 bar
- Testing Pressure** : 10 bar
- Material**
- Tube Sheet** : St.St. 316
- Tubes** : St.St. 316
- Baffles** : St.St. 316
- Welding** : Argon
- Accessories** : Ball Valve Inlet
 Ball Valve Outlet
 Sensors Openings

3- Natural Gas or LPG Burners: (Light Oil Burner is options upon request)

- Type** : Automatic, Force Draught Burner
- Model** : Riello (or equivalent)
- Accessories** : Gear Pump, Photocell, Motor, Blower, Transformer, Nozzle (s).....etc
- Sound Pressure** : 57 db (A)
- NOX Emission** : < 250 mg/kw
- Standard** : EN267
- Negative Pressure** : < 4m

4- Chimney: Free Standing with easy inlet connection.

5- Control Panel: Special HEATCO Pool Boiler control panel, (normally) mounted over boiler.

- ◇ **Protection:** IP 44
- ◇ **With:** 220-240 V, 5 Hz Power supply
- ◇ **With:** 1 Temp Gauge for Inlet Water temp from pool
- ◇ **With:** 1 Temp Gauge for Outlet Water temp to pool
- ◇ **With:** 1 Temp Gauge for Boiler Water
- ◇ **With:** 1 Temp Controller for Inlet Water temp from pool
- ◇ **With:** 2 Safety thermostat for Boiler Water and Outlet Water temp to pool
- ◇ **With:** 1 Indicator on – off lamp
- ◇ **With:** 1 Switch on – off

