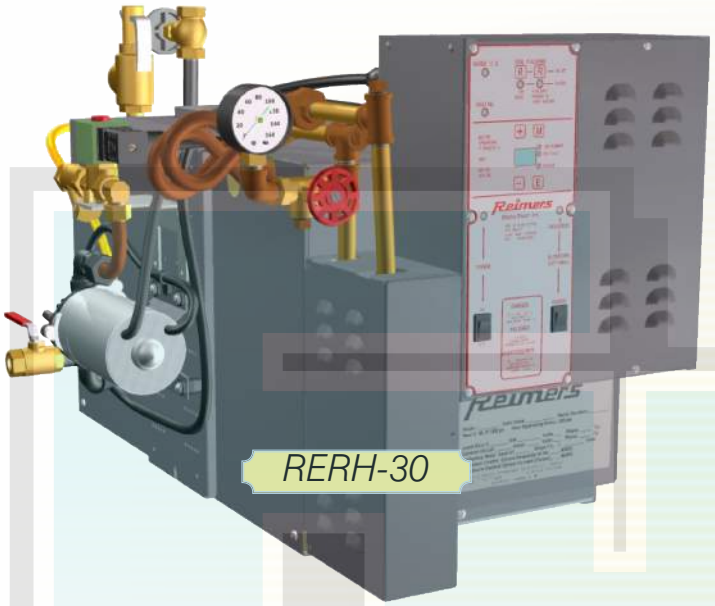
Steam Generators

RB10 - RB30 Steam Generator Series:

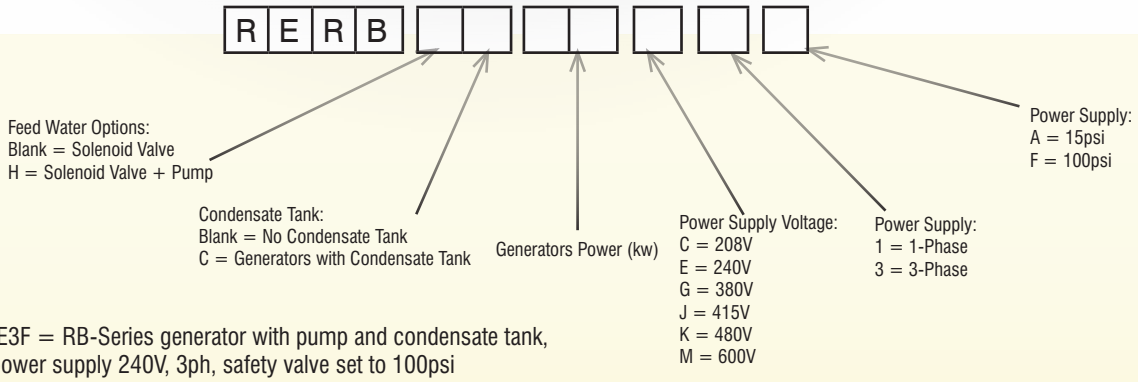


- Miniature generators max. vessel volume 1.5ft^3
- Maximum safety valve setting 100psi
- Manufactured in accordance with requirements of the A.S.M.E. Boiler and Pressure Vessel Code and A.S.M.E. CSD-1. Each generators bears the National Board Stamp “M”.
- Dry sat. steam, operating pressure range 0 - 85psi
- Very compact design, all controls accessible from generators front
- Suitable for installation in tight spaces like autoclaves
- Heavy duty carbon steel pressure vessel
- Vessel jacket and electrical enclosure 316 stainless
- Large selection of optional equipment

Generator standard equipment includes: Low water cut off control with manual reset, high pressure cutoff control with manual reset, one operating pressure control, high water cut-off control with automatic or manual reset, pressure gauge and safety valve.

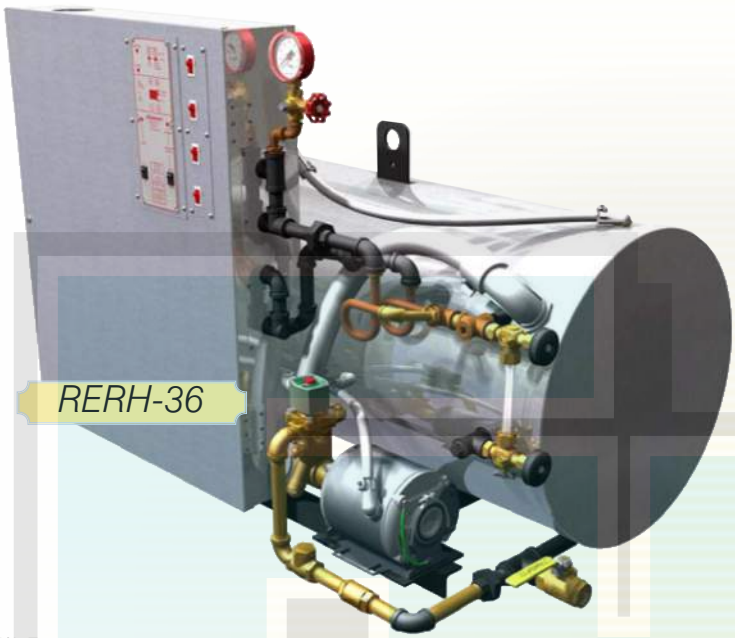
RB-SERIES Steam Boilers									
KW	LB/HR	BHP	VOLTAGE*	PHASE	SHIP WT. LB	OP. PRESS. RANGE	MBTU/HR	Steam Outlet (NPT)	
								LP	HP
10 KW	34	1.0	208/240**/380/415/480/600	3	172	0-85 PSIG	34	3/8	3/8
18 KW	62	1.8	208/240**/380/415/480/600	3	172	0-85 PSIG	61	3/8	3/8
20 KW	69	2.0	208/240**/380/415/480/600	3	172	0-85 PSIG	68	3/8	3/8
30 KW	104	3.0	208/240**/380/415/480/600	3	172	0-85 PSIG	101	3/8	3/8

*Each generators model requires two power supplies: Primary heating power and secondary control voltage. Nominal control voltage is 120V, 50/60Hz. When generator equipped with transformer option, only heating power supply required.
**Also available in 240V 1PH



Example: RERBHC20E3F = RB-Series generator with pump and condensate tank, 20kw heating power, power supply 240V, 3ph, safety valve set to 100psi

RX36 - RX120 Steam Generator Series:



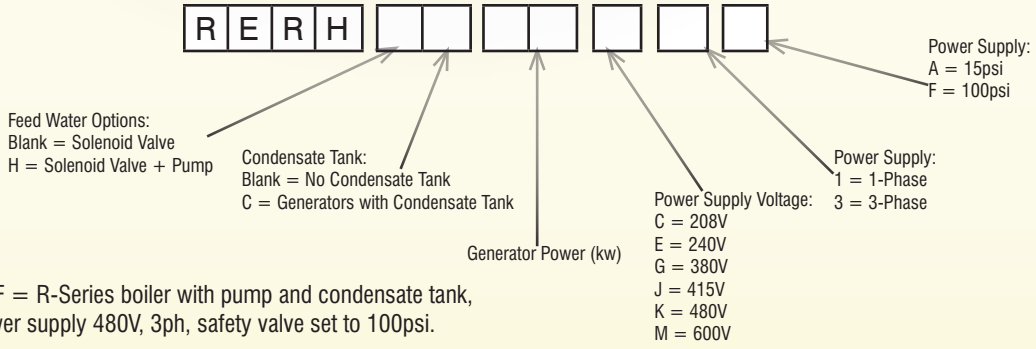
- Miniature generators max. vessel volume 5ft³
- Maximum safety valve setting 100psi
- Manufactured in accordance with requirements of the A.S.M.E. Boiler and Pressure Vessel Code and A.S.M.E. CSD-1. Each generators bears the National Board Stamp "M".
- High quality saturated steam, operating pressure range 0-85psi
- Heavy duty carbon steel pressure vessel
- Vessel jacket and electrical enclosure 316 stainless
- Large selection of optional equipment

Standard Equipment of Each Generator Includes:

- A.S.M.E pressure relief valve
- High pressure cutoff control with manual reset
- One operating pressure control for all models equipped with two heating elements or two staged operating pressure controls for all models equipped with three or four heating elements
- Low water cutoff control with manual reset
- High water cut-off control with automatic or manual reset.
- Magnetic contactors
- Internal branch circuity fusing
- Enable/Disable switch for each heating element
- Main supply power distribution block
- Indicator lights for Power, Refilling, Heating, and Alarms

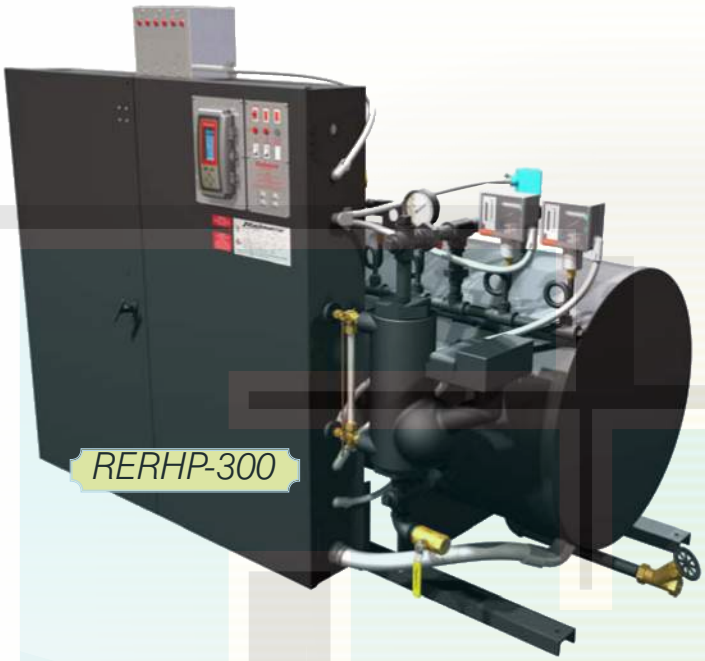
(1) Each Generators model requires two power supplies: Primary heating power and secondary control voltage. Nominal control voltage is 120V, 50/60Hz. When generator equipped with transformer option, only heating power supply required. Generator models rated for 380V and 415V are equipped with control voltage transformers that require 220/240V applied to primary side to provide 120V AC control voltage to generator. As an option, models can be equipped with control voltage transformers so only heating power supply needs to be connected to generator.
(2) Also available in 240V 1PH
(3) On boiler equipped with condensate tank, add 150 lbs to shipping weight.
(4) Steam Capacity listed below based on evaporation rate from 212°F at 0 psig. If generator feed water temperature is 50°F, then Steam Capacity for model listed is approx. 15% lower
(5) RX100 model, rated 208V, 3ph limited to 307lbs/hr, 90kw, 9BHP

HEATING POWER kW	STEAM CAPACITY lbs/hr (kg/hr) [4]	BHP	VOLTAGE[1]	PHASE	SHIP WT. [3] Lbs (kg)	OP. PRESS. RANGE psig (bar)	Steam Outlet (NPT) LP < 15psig	Steam Outlet (NPT) HP > 15psig
36 KW	123 (56)	3.6	208/240/480/600	3[2]	480 (218)	0-85 (0 – 5.9)	1	3/4
40 KW	137 (62)	4.0	208/240/380/415/480/600	3	480 (218)	0-85 (0 – 5.9)	1	3/4
45KW	154 (70)	4.5	208/240/380/415/480/600	3	530 (240)	0-85 (0 – 5.9)	1-1/4	3/4
54 KW	185 (84)	5.4	208/240/480/600	3	530 (240)	0-85 (0 – 5.9)	1-1/4	3/4
60 KW	205 (93)	6.0	208/240/380/415/480/600	3	530 (240)	0-85 (0 – 5.9)	1-1/4	1
72 KW	246 (111)	7.2	208/240/480/600	3	610 (276)	0-85 (0 – 5.9)	1-1/4	1
80 KW	273 (124)	8.0	208/240/380/415/480/600	3	610 (276)	0-85 (0 – 5.9)	1-1/4	1
100 KW	342 (155)	10.0	208[5]/240/380/415/480/600	3	795 (360)	0-85 (0 – 5.9)	2	1-1/4
120 KW	409 (185)	12.0	208/240/380/415/480/600	3	795 (360)	0-85 (0 – 5.9)	2	1-1/4



Example: RERHHC120K3F = R-Series boiler with pump and condensate tank, 120kW heating power, power supply 480V, 3ph, safety valve set to 100psi.

RHP120 - RHP300 Steam Generator Series:



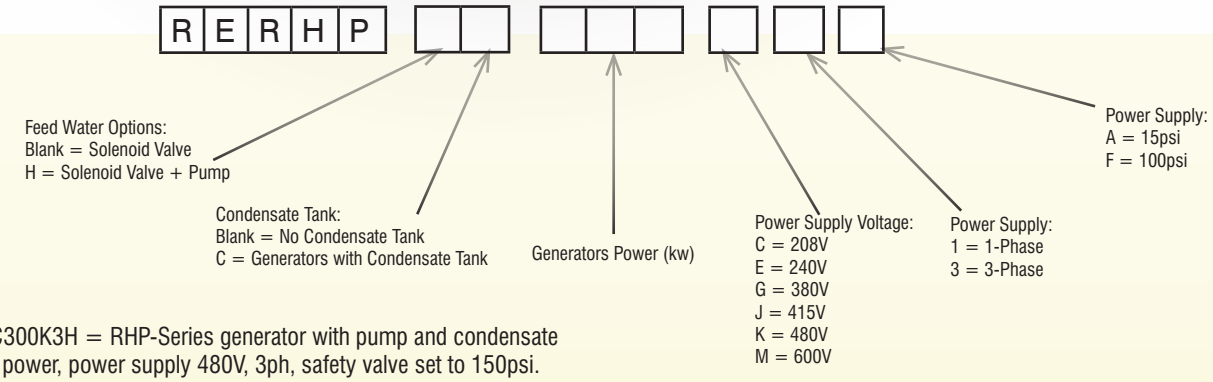
- Maximum safety valve setting 150psi
- Manufactured in accordance with requirements of the A.S.M.E. Boiler and Pressure Vessel Code and A.S.M.E. CSD-1. Each generators bears the National Board Stamp “M”.
- Dry saturated steam, operating pressure range 0-135psi
- Heavy duty carbon steel pressure vessel
- Vessel jacket and electrical enclosure 316 stainless
- Large selection of optional equipment

Generator standard equipment includes: Primary low water cutoff control with automatic reset, secondary low water cut off with manual reset, safety relief valve, pressure gauge, one primary high pressure cutoff control with automatic reset, one secondary high pressure control with manual reset and PID-step control with number of heating stages depending on boiler size.

RHP SERIES LOW & HIGH PRESSURE STEAM BOILERS

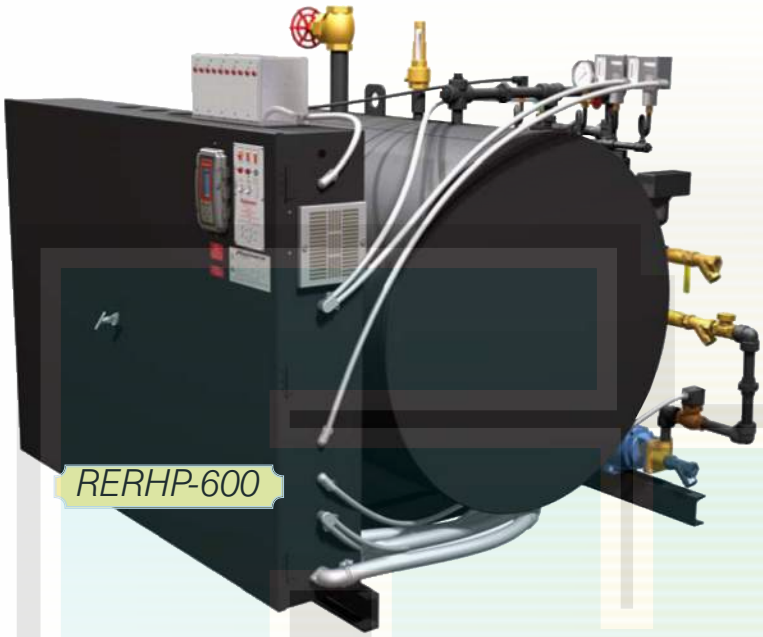
KW	STEAM LB/HR	BHP	VOLTAGE*	PHASE	NUMBER OF HEATING STAGES	SHIP WT. ** LB	OP. PRESS. RANGE	BTU/HR	Steam Outlet (NPT)
120 KW	418	12	240/380/415/480/600	3	4	1,370	0-135 PSIG	409,440	1-1/4”
150 KW	522	15	240/380/415/480/600	3	5	1,370	0-135 PSIG	511,800	1-1/4”
180 KW	626	18	240/380/415/480/600	3	6	1,370	0-135 PSIG	614,160	1-1/4”
210kW	730	21	240/380/415/480/600	3	6	1,370	0-135 PSIG	716,520	1-1/4”
240kW	835	24	380/415/480/600	3	6	1,450	0-135 PSIG	818,880	2”
300kW	1044	30	380/415/480/600	3	6	1,500	0-135 PSIG	1,023,600	2”

*Each generators model requires two power supplies: Primary heating power and secondary control voltage. Nominal control voltage is 120V, 50/60Hz. When generator equipped with transformer option, only heating power supply required.
**Shipping weight for models with feed water solenoid. For models with feed water solenoid + pump and pump + condensate tank.



Example: RERHPHC300K3H = RHP-Series generator with pump and condensate tank, 300kw heating power, power supply 480V, 3ph, safety valve set to 150psi.

RHP600 - RHP750 Steam Generator Series:


RERHP-600

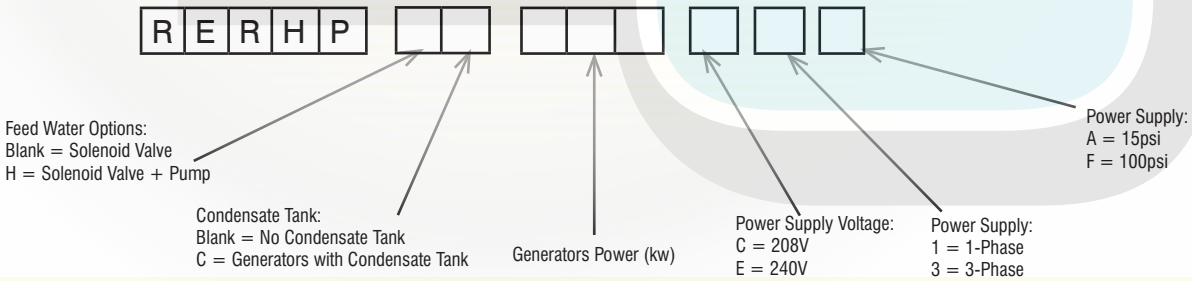
- Maximum safety valve setting 150psi
- Manufactured in accordance with requirements of the A.S.M.E. Boiler and Pressure Vessel Code and A.S.M.E. CSD-1. Each generators bears the National Board Stamp "M".
- Dry saturated steam, operating pressure range 0-135psi
- Heavy duty carbon steel pressure vessel
- Vessel jacket and electrical enclosure 316 stainless
- Large selection of optional equipment

Generator standard equipment includes: Primary low water cutoff control with automatic reset, secondary low water cut off with manual reset, safety relief valve, pressure gauge, one primary high pressure cutoff control with automatic reset, one secondary high pressure control with manual reset and PID-step control with number of heating stages depending on boiler size.

RHP SERIES LOW & HIGH PRESSURE STEAM BOILERS

KW	STEAM LB/HR	BHP	VOLTAGE*	PHASE	NUMBER OF HEATING STAGES	SHIP WT. ** LB	OP. PRESS. RANGE	BTU/HR	Steam Outlet (NPT)
600 KW	2,086	60	380/415/480/600	3	10	2,640	0-135 PSIG	2,047,200	3"
750 KW	2,608	75	380/415/480/600	3	12	2,640	0-135 PSIG	2,559,000	3"

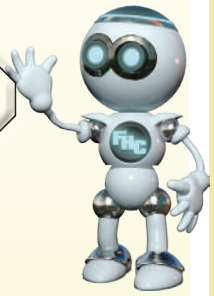
*Each generators model requires two power supplies: Primary heating power and secondary control voltage. Nominal control voltage is 120V, 50/60Hz. When generator equipped with transformer option, only heating power supply required.
**Shipping weight for models with feed water solenoid. For models with feed water solenoid + pump and pump + condensate tank.



Example: RERHPHC750K3H = RHP-Series generator with pump and condensate tank, 750kw heating power, power supply 480V, 3ph, safety valve set to 150psi.

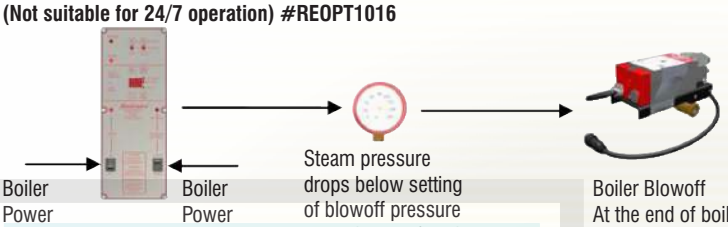

DEDC-6

Don't forget to ask about our Descalamatics!



Steam Generator Optional Accessories:

Pressure Controlled Boiler Blowoff System Automatic Flush & Drain (Not suitable for 24/7 operation) #REOPT1016



Boiler Power **OFF**

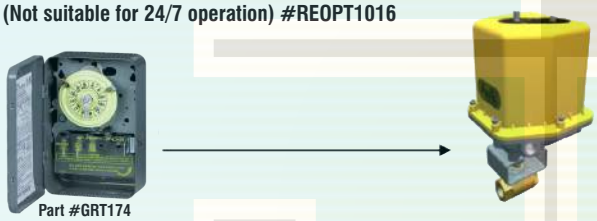
Boiler Power **ON**

Steam pressure drops below setting of blowoff pressure control set at 15psig or less.

Boiler Blowoff
At the end of boiler blowoff, valve closes automatically.

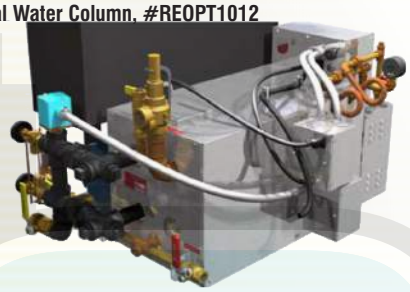
Auxillary Low Water Cut-Off with McDonnel & Miller Model MM150, #REOPTMM150

Pressure Controlled Boiler Blowoff System Automatic Flush & Drain (Not suitable for 24/7 operation) #REOPT1016



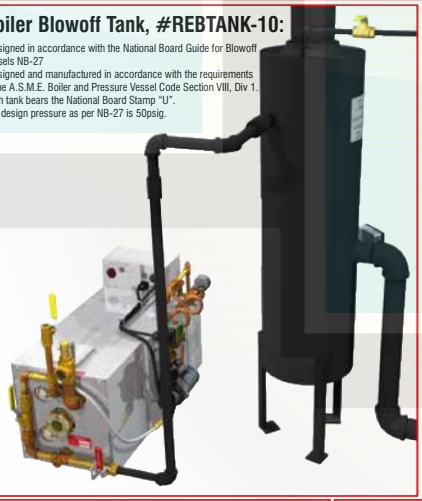
Part #GRT174

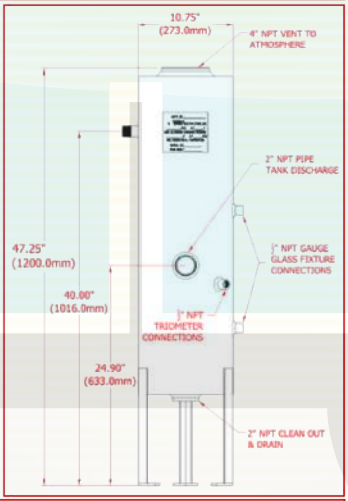
Auxillary Low Water Cut-Off with Warrick Probe Fitting in External Water Column, #REOPT1012



Boiler Blowoff Tank, #REBTANK-10:

-Designed in accordance with the National Board Guide for Blowoff Vessels NB-27
-Designed and manufactured in accordance with the requirements of the A.S.M.E. Boiler and Pressure Vessel Code Section VIII, Div 1.
Each tank bears the National Board Stamp "U".
The design pressure as per NB-27 is 50psig.





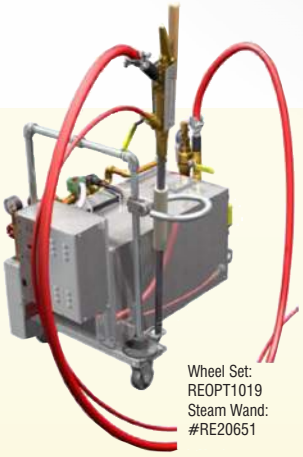
Automatic Boiler ON/OFF, # REOPT1017

Program timer to turn boiler ON/OFF automatically

Control Voltage Transformer Options: When using this option, only main power supply is required to operate boiler.

Boiler Voltage	RB and RBH Series	RBHC-Series
208V	REOPT1009 - 208RBH	REOPT1011 - 208RBHC
240V	REOPT1009 - 240RBH	REOPT1011 - 240RBHC
380V	REOPT1009 - 380RBH	REOPT1011 - 380RBHC
415V	REOPT1009 -380RBH	REOPT1011 - 380RBHC
480V	REOPT1009 - 480RBH	REOPT1011 - 480RBHC
600V	REOPT1009 - 600RBH	REOPT1011 - 600RBHC

Boiler Wheel Set and Steam Wand for Cleaning Applications.



Wheel Set:
REOPT1019
Steam Wand:
#RE20651

Steam Jet Station, # RE20845

Attach Steam Jet Station to RB-Boiler or any other convenient location

Brass and Bronze Free Boiler Trim, # REOPT1030-RB

RB-Steam boiler models fitted with carbon/stainless steel boil trim for steam generation with very low lead concentrations. Use this option in food service and other applications where lead concentration is a concern.

Steam Filter for Culinary Steam Applications, # REOPT1032

Use this filter with FDA listed materials in food processing applications where the steam comes in direct contact with food. The 3 or 5 micron cartridges employed in this steam filter meet or exceed the 3-A guidelines for the production of Culinary Steam under Accepted Practice T609-04.

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