

# Spiral Wound Universal Pressure Boiler

## SWUP™

### Design features:

A once-through boiler for supercritical applications, usually applied to systems with a capacity of 400 MW or larger; the design features a water-cooled dry-bottom furnace, superheater, reheater, economizer, and air heater components — designed for both base load and full boiler variable pressure load cycling operation as well as on/off cycling operation.

### Capacity, steam output:

From 2,000,000 lb/h (252 kg/s) to more than 10,000,000 lb/h (1260 kg/s).

### Operating pressure:

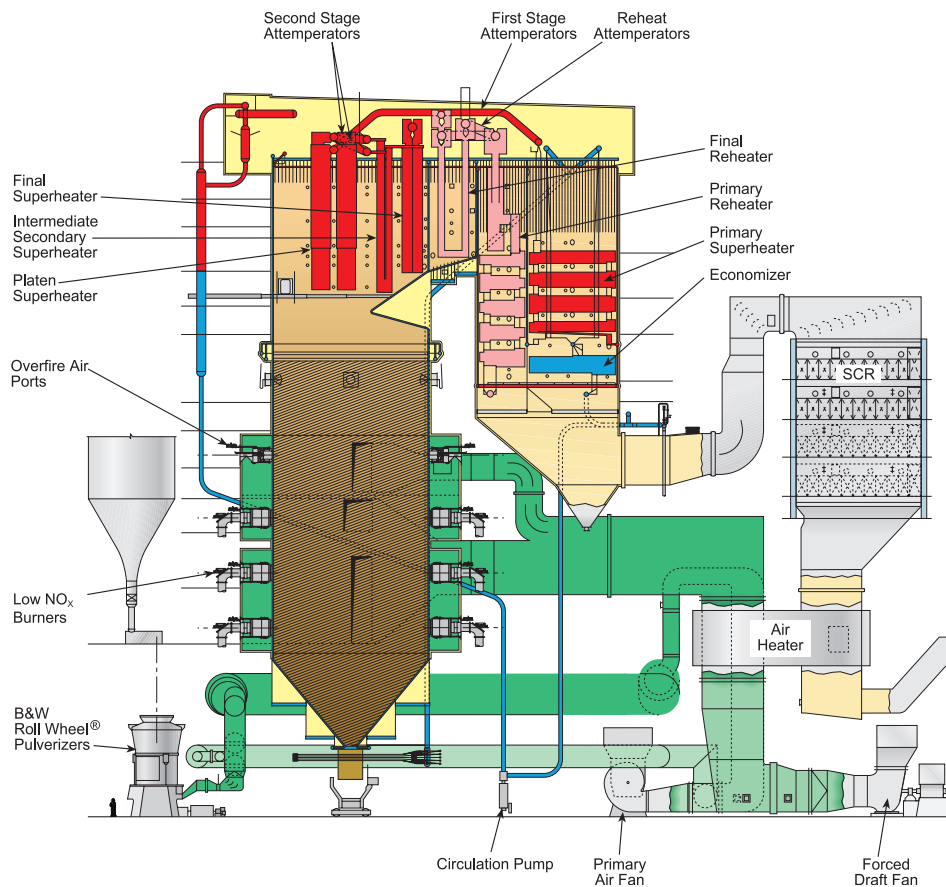
Supercritical, usually at 3500 psi (24.1 MPa) throttle pressure with 5% overpressure; higher pressures available.

### Superheater steam temperatures:

As required, currently in the 1100F (595C) range.

### Fuels:

Pulverized coal.



# Universal Pressure Boiler UP<sup>®</sup>

## Design features:

A once-through boiler for supercritical applications, usually applied to systems with a capacity of 400 MW or larger; the design features a water-cooled dry-bottom furnace, superheater, reheater, economizer, and air heater components — designed for variable superheater pressure load cycling and base load operation.

## Capacity, steam output:

Typically 2,000,000 lb/h (252 kg/s) to more than 10,000,000 lb/h (1260 kg/s).

## Operating pressure:

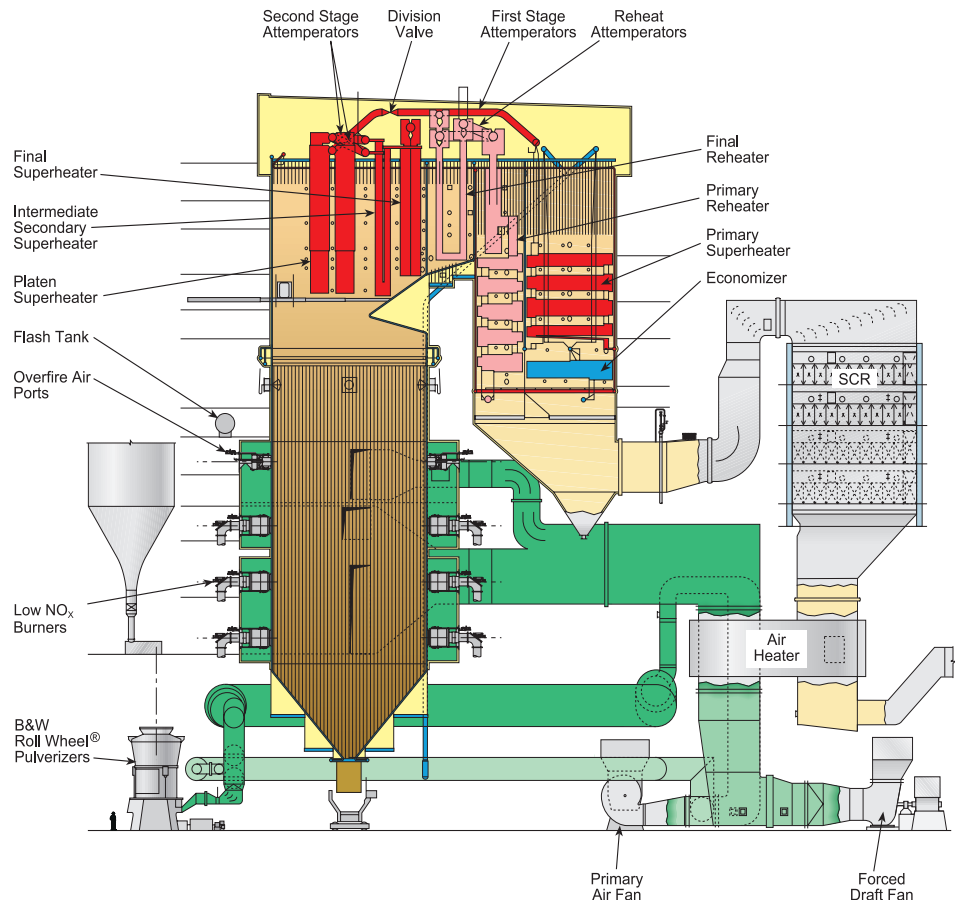
Supercritical, usually at 3500 psi (24.1 MPa) throttle pressure with 5% overpressure.

## Superheater steam temperatures:

As required, currently in the 1100F (595C) range.

## Fuels:

Pulverized coal.



# Vertical Tube Universal Pressure Boiler

## VTUP™

### Design features:

A once-through boiler for supercritical applications, usually applied to systems with a capacity of 400 MW or larger; the design features a water-cooled dry-bottom furnace, superheater, reheater, economizer, and air heater components — designed for both base load and full boiler variable pressure load cycling operation as well as on/off cycling operation.

### Capacity, steam output:

From 2,000,000 lb/h (252 kg/s) to more than 10,000,000 lb/h (1260 kg/s).

### Operating pressure:

Supercritical, usually at 3500 psi (24.1 MPa) throttle pressure with 5% overpressure; higher pressures available.

### Superheater steam temperatures:

As required, currently in the 1100F (595C) range.

### Fuels:

Pulverized coal.

