

Air Blowing Services

This method involves pressurizing the boiler and steam lines with compressed air. Once the upper pressure limit is reached (as determined by B&W engineers) the blowing valve is opened and the bottled-up air is released directly to atmosphere. Trans-sonic velocity is achieved with high mass flow rates and resultant high Disturbance Factors (DF) for short periods of time. This cycling is performed repeatedly until clean targets are acquired.



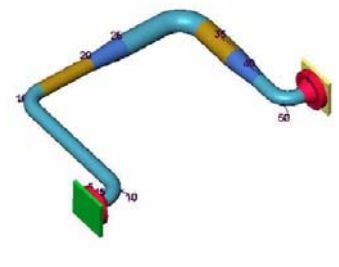
The Right Combination:

1. Engineering

B&W

- Specializes in trans-sonic compressible fluid dynamics
- Uses state of the art engineering programs custom tailored for each system to determine:
 - ✓ Air blowing Conditions
 - ✓ Velocities
 - ✓ Disturbance Factors
- Furnishes Engineered procedures which include:
 - ✓ Temporary pipe and routing
 - ✓ Isometric Drawings
 - ✓ Process Flow Diagrams reflecting flow-paths, valve alignments etc
 - ✓ Pipe Stress and Flexibility Analysis

$$CFR = \frac{M_{SB}^2 V_{SB}}{M_{MAX}^2 V_{MAX}}$$



2. Project Management and Execution

B&W

- Supplies highly experienced field technical professionals which:
 - ✓ Staff Air blow operation during field execution
 - ✓ Monitor and manage a third party cleaning party.

3. Specialty Equipment

B&W

- Can provide all necessary equipment to clean your system including:
 - ✓ Large bore pipe and fittings
 - ✓ Suppressors
 - ✓ Pneumatic Target Inserters.
 - ✓ Quench Systems



4. Third Party Management

B&W

- Will manage the third party vendors:
 - ✓ Air compressors and boosters

