



Sequence Draft Control™



*Taking value to
the highest levels*

Engineered for peak performance.

Building owners pay a premium for high efficiency boilers and water heaters to save energy and money. But just starting up the equipment doesn't ensure they'll perform at their ideal Category IV performance rating.

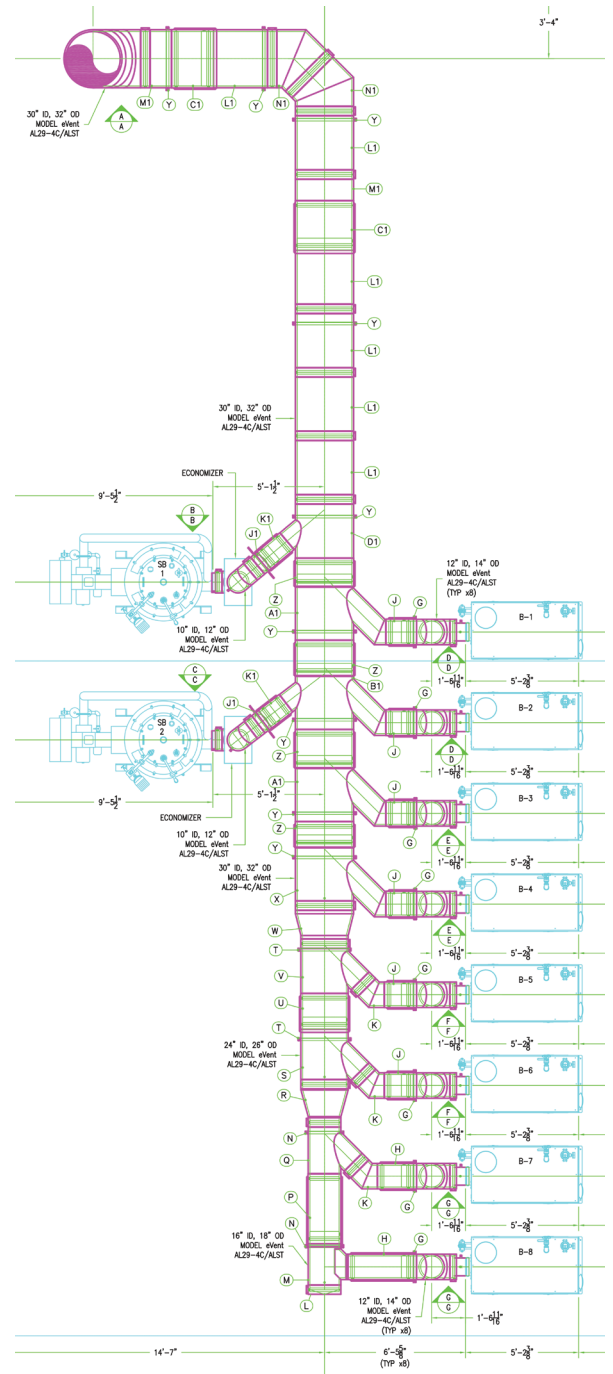
A complete engineered venting system is a critical part of the equation – and **Schebler's Sequence Draft Control™** (SDC) design service is the answer.

SDC maintains the desired condensing dew point of combustion, preventing excess draft which impacts efficiency and fuel/air ratio's – especially with high turndown modulating burners.

Versatile draft control

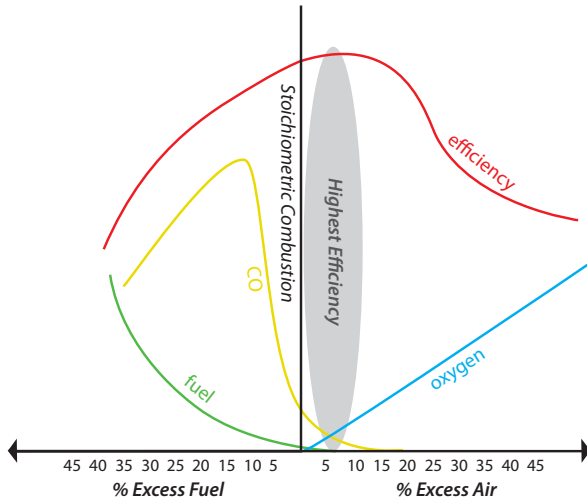
Hybrid systems utilizing condensing and non-condensing boilers are an ideal match for Sequence Draft Control. Each appliance outlet pressure is individually monitored and controlled to obtain the highest level of overall performance. Each damper has a dedicated circuit so only one appliance would be affected should a failure occur, ensuring full operation of other appliances.

And the versatile SDC design is well suited for all venting categories – including I, II, III and IV.



*Get the most efficiency
from your boilers.*

Achieve combustion efficiency



This graph illustrates when fuel and oxygen from the air are in perfect balance. Five to ten percent excess air is required to reach peak efficiency for natural gas burning boilers and hot water heaters.

SDC controls excess air to achieve the desired increased efficiencies.

Source: Engineering Toolbox

Account for outside conditions

Schebler eVent™ Series modulating dampers with pressure transducers are located at the outlet of each appliance to maintain the factory recommended firebox positive pressure or negative draft condition at all times. The damper accounts for:

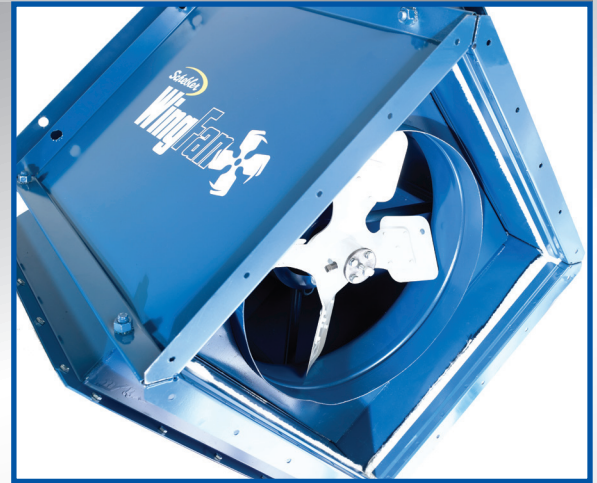
- Appliance firing rate – anywhere between high fire and low fire
- Stack temperature
- Outside air temperature
- Other operational anomalies such as summer/winter operation and appliance proximity to the common stack

Sequence Draft Control™ also improves system start up by reducing draft conditions during ignition. The damper is placed in a pre-purge position to allow easy ignition and eliminate flame failure conditions which are typical in common vented systems.



Stabilize exhaust flow

Systems with inadequate natural draft may utilize Schebler's *WingFan* draft inducer to ensure stable exhaust flow regardless of the number of appliances operating or firing rates. A breeching mounted pressure sensor monitors and maintains stack pressure and a VFD controls draft inducer speed.



Rely on Schebler Chimney for complete system designs.

Special Gas Venting Systems – UL1738-listed products, single and double wall, 3 year leak free guarantee, lifetime warranty

Grease Duct Systems – UL 2221 classified products, zero-clearance to combustibles, two-hour fire-rated

Generator Exhaust Systems – UL 103-listed products listed for 1400° continuous operation, positive pressure rated for 60" WC

Boiler Flue Systems – UL 103-listed products for safe and proper boiler performance

Engineered Stacks – designed to ASTM STS-1-2000, SMACNA guidelines and standard engineering practices

Reasons to choose Schebler Chimney products include:

- Proudly made with Union labor
- Meet *Buy American* requirements
- Delivered with product warranties

Contact us today for more information.



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eVent DualSeal, patent pending.
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