



Airburst Cleaning System

Get trouble-free, uninterrupted water intake operations with Hendrick's Airburst Cleaning System. The system effectively removes debris through a rapid release of high-pressure air.

FOR USE IN:

- High debris environments.
- Inadequate water current conditions that can cause sediment or organic matter to build up on the screen and restrict water flow.

SYSTEM COMPONENTS AND OPTIONS

AIR COMPRESSOR*

Options: Reciprocating or rotary screw, oil-less or food grade oil, 1/2hp to 125hp motor, electric or gas motor, ODP or TEFC motors, oil and water filters, silencers and more.

RECEIVERS*

ASME coded high-pressure vessels

Options: Custom sizes with horizontal or vertical installation, outlets made to valve size, plus other adaptable features to meet specific requirements, with indoor or outdoor installation.

VALVES*

Sizes range from 1" ball to 12" butterfly, automated or manually operated. Pneumatically operated valves provide a low maintenance and cost effective option.

CONTROL PANEL

Custom designed & built to specs by a UL 508A panel shop

Automated systems provide the optimal cleaning solution at programmed intervals while offering manual initiation of a backwash at anytime. Options to meet NEMA standards, alarms and signals to/from SCADA. Manually operated valve systems also available.

DIFFERENTIAL LEVEL BUBBLER SYSTEM

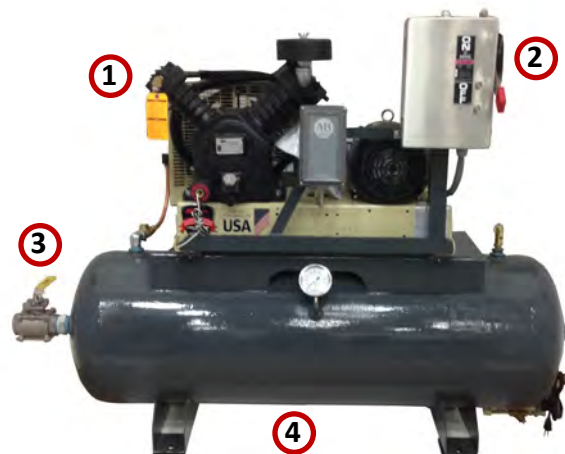
Optional system to determine head loss or control intake pump

Adds value to a backwash system by measuring the head loss of pressure drop across the intake screen (s) to initiate the backwash. Can also control intake pumps. Bubblers are proven to be reliable with the lowest maintenance level measurement system available.

START-UP & TRAINING

Start-up and training are available at your site. 24/7 phone support is provided at no additional cost.

**Sized to match screen requirements*



Standard components of a turn-key Airburst cleaning system: 1) Air compressor, 2) Control panel, 3) Valves and 4) Receiver.

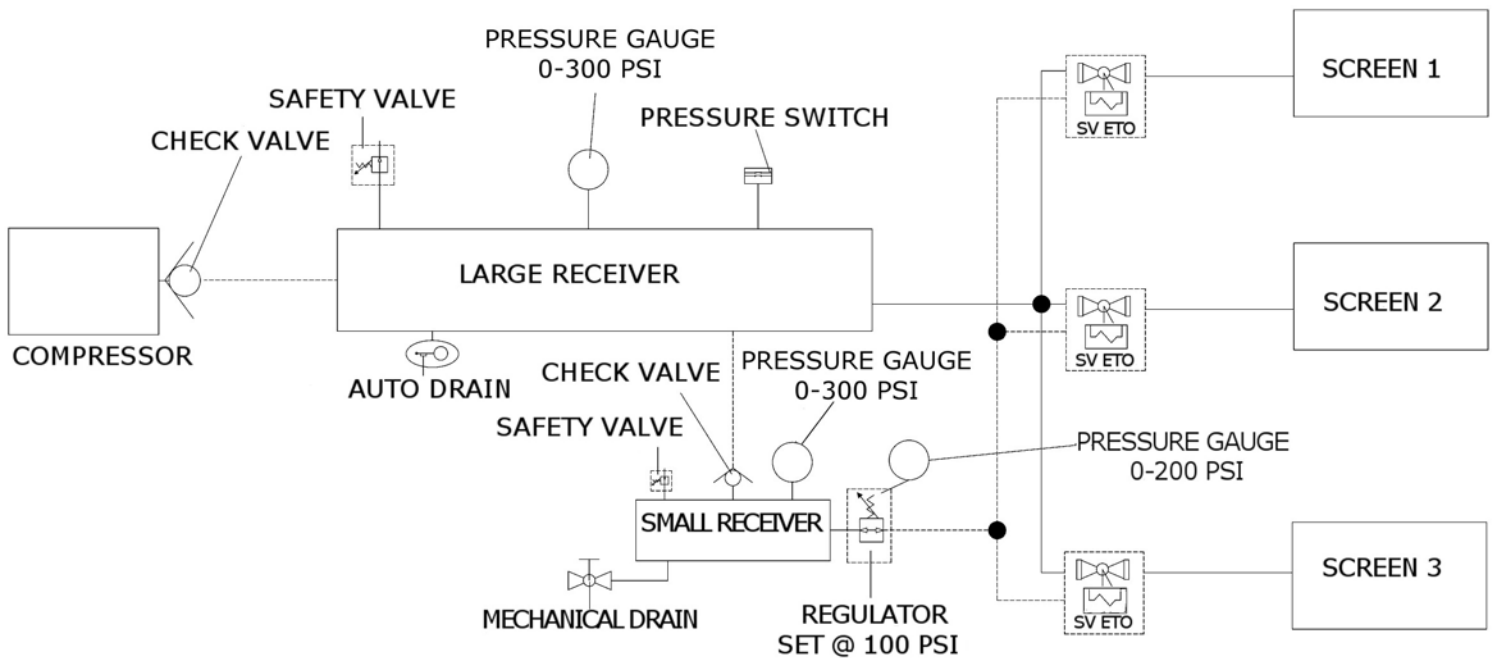


Airburst systems are fully manufactured to your requirements, including delivery with a custom-fit outdoor enclosure.



Airburst Cleaning Systems

PIPING AND INSTRUMENTATION DIAGRAM



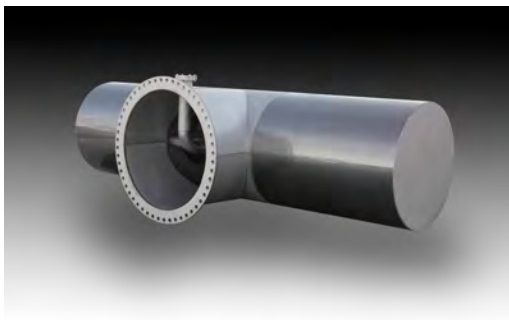
Typical Piping and Instrumentation diagram for an Airburst cleaning system. This system has three screens.

Hendrick offers multiple intake screen options, including:

- T-Intakes
- Half-Barrel Intakes*
- Drum Screens
- Flat Panels

Our screens are 316(b) compliant and approved by NMFS. Contact our engineering group to learn more about our intake screens and Airburst Cleaning System.

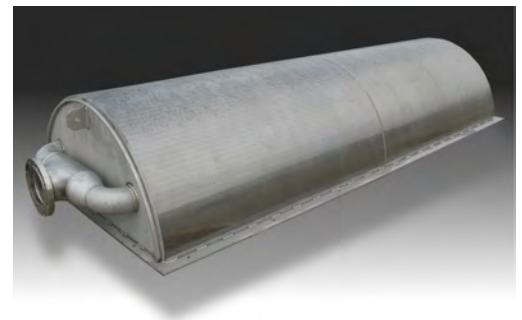
**U.S. Patent HSC 003 UAUS1*



Stainless Water Intake Screen



Copper-Nickel Water Intake Screen



Half-Barrel Intake Screen