

Actual Cost Comparisons between High Pressure Plant Air Blow-Off Devices and the **Sonic AirKnife System**...

Annual Operating Cost - U.S. Dollars

Single Shift	Double Shift	Triple Shift
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\$5,865	\$11,730	\$17,595
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\$3,630	\$7,261	\$10,890
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\$1,494	\$2,988	\$4,482
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\$ 418	\$ 837	\$1,254
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BLOW-OFF NOZZLES

TO COVER TWO (2) 6" WIDE AREAS.

Each of the eight (8) nozzles had a 5/32" diameter bore and consumed 24 SCFM each at 75 PSIG or a total of 192 SCFM. 42 HP required.

Approximate initial cost \$150.00



FLAT JETS OR AIR COMB NOZZLES

TO COVER TWO (2) 6" WIDE AREAS.

Each of the six (6) flat jets had an air consumption of 20 SCFM at 75 PSIG or a total of 120 SCFM.

26 HP required.

Approximate initial cost \$250.00



AIRKNIVES TO COVER TWO (2) 6" WIDE AREAS.

Two airknives each with a length of 6 inches and an air consumption of 4 SCFM per linear inch at 75 PSIG or a total of 48 SCFM.

10.7 HP required.

Approximate initial cost \$550.00



SONIC AIR SYSTEMS

High-Velocity, Low-Pressure

Sonic XE AirKnife System

Two airknives each with a length of 6 inches requiring 12 SCFM per inch at 1.5 PSIG equals 26,700 feet per minute velocity supplied by a Sonic 70 with a 3 HP electric motor.

Approximate initial cost \$4000.00

NOTE: On average, a compressor is able to produce 4.5 SCFM at 100 psi per HP. This energy must be cooled, dried, stored and transported to each user point.
Average KWHR=9c Operating cost is based on 5 day work week.
Example A: 190.4 SCFM / 4.5 = 42.3 HP

SONIC AIR SYSTEMS

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