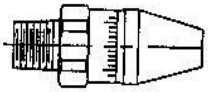


# ACTUAL COST COMPARISONS BETWEEN HIGH PRESSURE PLANT AIR BLOW-OFF DEVICES AND THE **REPUBLIC AIRKNIFE SYSTEM**

## ANNUAL OPERATING COST



### **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

SINGLE SHIFT	<b>\$5,865</b>
DOUBLE SHIFT	<b>\$11,730</b>
TRIPLE SHIFT	<b>\$17,595</b>

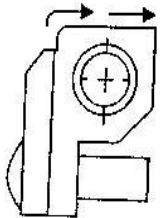


### **FLAT JETS OR AIR COMB NOZZLES**

#### **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

SINGLE SHIFT	<b>\$3,630</b>
DOUBLE SHIFT	<b>\$7,261</b>
TRIPLE SHIFT	<b>\$10,890</b>



### **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

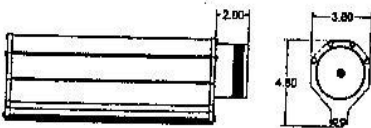
SINGLE SHIFT	<b>\$1,494</b>
DOUBLE SHIFT	<b>\$2,988</b>
TRIPLE SHIFT	<b>\$4,482</b>

## **REPUBLIC AIRKNIFE SYSTEMS**

High-Velocity Republic AirKnife System

Two airknives each with a length of 6 inches requiring 12 SCFM per inch at 1.7 PSIG equals 30,000 feet per minute velocity supplied by a Republic 800 with a **3 HP electric motor.**

Approximate initial cost \$4,100.00



**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=9 cents Operating cost is based on 5 day workweek.

Example A:  $190.4 \text{ SCFM} / 4.5 = 42.3 \text{ HP}$