

Payback ULTRASONIC



ULTIMATE



MASTER



EASY



Calculation base:

Operating hours per year	Number of leakages	Average leakage each *	Leakage total	Annual leakage	Price per m ³ air **	Annual expences
1,600	20	42 l/min	840 l/min = 50 m ³ /h	80,000 m ³	DKK 0.183	DKK 14,640
4,000	20	42 l/min	840 l/min = 50 m ³ /h	200,000 m ³	DKK 0.183	DKK 36,600
8,760	20	42 l/min	840 l/min = 50 m ³ /h	438,000 m ³	DKK 0.183	80,154 kr.

* Average leakage each
Typically from quick connectors and hoses with a total leakage corresponding to Ø0.75 mm leak.

** Price per m³ air is based on the following figures:
7.8 m³ air/h kW (average industrial air compressor, 30-140 kW)
DKK 1.43 per kWh, transport and taxes included
Price per m³ air = 1.43/7.8 = DKK 0.183

The air leakage is estimated to average approximately 20% of the company's total annual air consumption (Source: ESCO – Energy Service Companies / project 337-095).

For the operation using compressed air continuously over the year, the annual electricity expenses will be extraordinary high since there is a constant need for air to sustain operating pressure in the system before use. For this type of operation, the profit from a leakage search will be extra high.

*Payback calculation:

At 1600 operating hours a year and a leakage size of 840 l/min, the annual expenses for air leakages would amount to DKK 14,640.00 (price per m³ air = 0.183).