

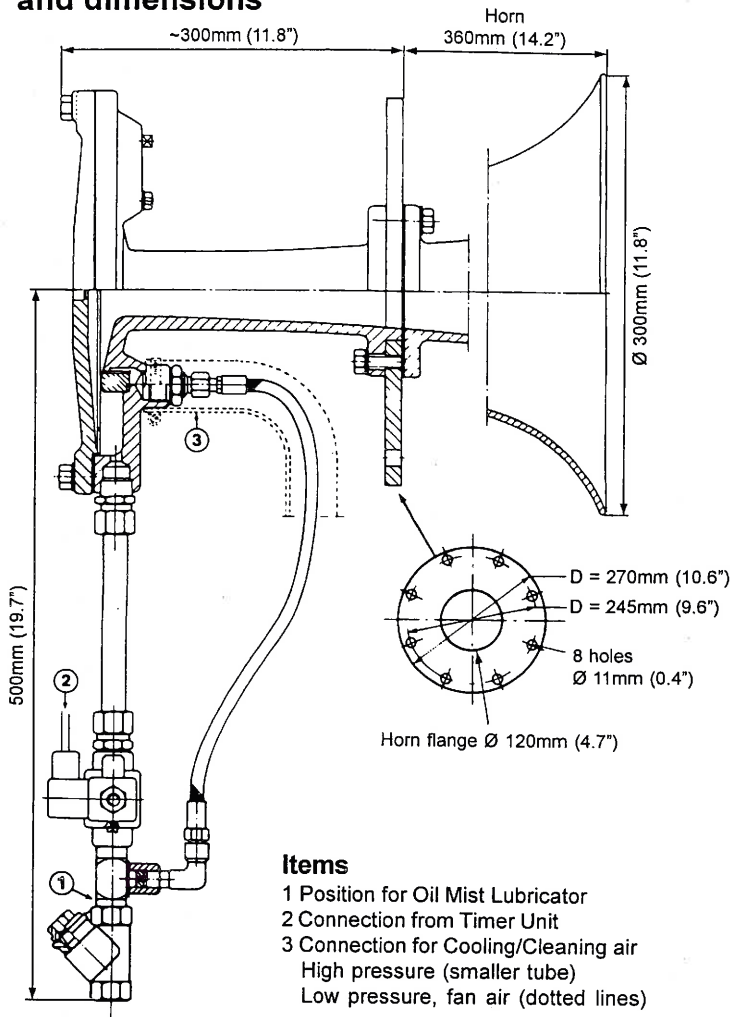


**Sound Emitter IKT 230/220  
with solenoid valve**

**A highly efficient and all-round sound emitter in the WHISTLE series for activating of dust particles by means of sound in closed spaces in e.g:**

- **Boilers, economisers and air preheaters**
- **Electrostatic precipitators, cyclones, bag filters**
- **Fans and dampers**

## Complete basic model and dimensions



### Items

- 1 Position for Oil Mist Lubricator
- 2 Connection from Timer Unit
- 3 Connection for Cooling/Cleaning air
  - High pressure (smaller tube)
  - Low pressure, fan air (dotted lines)

## Technical data

Frequency: 220 Hz (at 20°C, 68°F)

Sound Pressure Level (1m): 143 - 145 dB

Feeding pressure during signal: 0,40 - 0,55 MPa  
(4 - 5,5 bar)  
(58 - 79.75 psi)

Air consumption during signal: 40 - 60 l/s  
(1.41 - 2.12 cfs)

### Max. temperature

Horn, stainless steel: 1 000°C (1832°F)

Diaphragm housing: 500°C (932°F)

Solenoid valve: 80°C (176°F)

Air connection: Pipe thread R $\frac{1}{2}$ "

Recommended air supply piping:

Min. 1", up to a maximum pipeline length of 20m (65ft) for single sound emitter

Weight: approx: 30 kg (66.1 lbs)

Voltage for solenoid valve: 230V AC  
(115V AC, 24V DC on request)

### Pressure Conversion Table

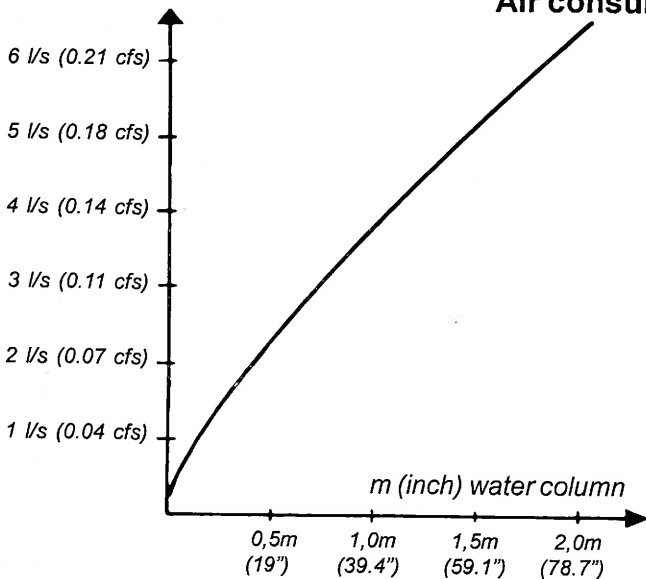
	MPa	bar	kp/cm <sup>2</sup>	psi
1 MPa	1	10	10.2	145
1 bar	0,1	1	1.02	14.5
1 kp/cm <sup>2</sup>	0,098	0.98	1	14.2
1 psi	0,0069	0.069	0.070	1

E.g 0,55 MPa feeding pressure during signal  
0,55 MPa = 5,5 bar = 5,6 kp/cm<sup>2</sup> = 79,8 psi

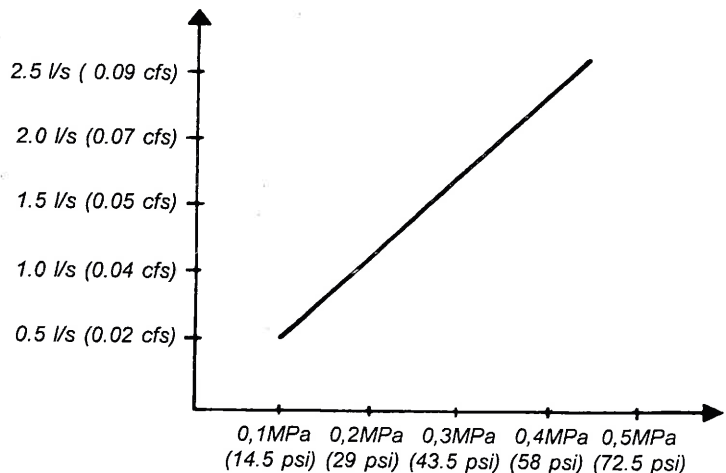
### Part numbers

Sonoforce IKT 230/220	24610029
Solenoid valve TV 91 (incl. filter + connecting pipe + Flexible tube)	
230V 50 Hz	24610015
115V 60 Hz	24610016

### Air consumption for cooling



Low-pressure air (fan air)



High-pressure air Ø 1,5mm (0.059")