

Sonoforce® IKT 230GD/170

For Sonic Cleaning



**Sound Emitter
IKT 230GD/170
with Solenoid Valve**

A highly efficient sound emitter in the SONOFORCE series, designed to need a minimum of space for the wall penetration, and with up to the double cleaning range compared with other Sonic Horns on the market. Sonoforce activates dust particles by means of sound in closed spaces in e.g:

- Boilers, economisers and air preheaters
- Electrostatic precipitators, cyclones, bag filters, SCR;s
- Fans and dampers

Technical data

Frequency:
170 Hz (at 20°C, 68°F)

Sound Pressure Level (1m):
150 - 153 dB

Feeding pressure during signal:
0,4 - 0,6 MPa (4 - 6 bar) (58,0 - 87,0 psi)

Air consumption during signal:
70 - 108 l/s (2,47 - 3,8 cfs)

Air consumption for cooling:
1 - 2,5 l/s (0,04 - 0,09 cfs)

Pressure Conversion Table				
	MPa	bar	kp/cm2	psi
1 MPa	1	10	10.2	145
1 bar	0,1	1	1.02	14.5
1 kp/cm2	0,098	0.98	1	14.2
1 psi	0,0069	0.069	0.070	1

E.g 0,6 MPa feeding pressure during signal
0,6 MPa = 6 bar = 87 psi

Part numbers	
Sonoforce IKT 230GD/170 Complete	S23017000
Solenoid valve without coil	24510097
Coil 230V 50 Hz	24510101
Coil 115V 50 Hz / 110V 60Hz	24510098

Max. temperature

Bell piece: 1000°C (1832°F)
Diaphragm housing: 500°C (932°F)
Solenoid valve: 80°C (176°F)

Air connection: Pipe thread 3/4"
Air supply piping: Min. 1"; up to a maximum pipeline length of 6m (20ft) for single sound emitter. approx: 45 kg (99.2 lbs)

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

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