

MODIFIED HARTMANN APPARATUS

- SCREENING TEST
- DUST COMBUSTIBILITY TEST

Model: FH-1

ver. 1.5, 2022

STANDARD REFERENCES:

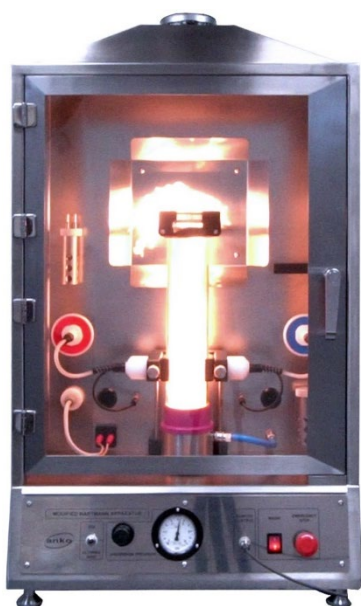
- VDI 2263, part 1.
Dust fires and dust explosions; hazards, assessment, protective measures;
test methods for the determination of the safety characteristic of dusts.
Method 2.1.1: Modified Hartmann-Apparatus
- EN ISO/IEC 80079-20-2 Explosive atmospheres. Material characteristics.
Combustible dust methods.

SPECIFICATION:

Glass door:	hardened glass
Glass tube:	ID 70±5 mm, V=1,2L
Ignition systems:	spark and glowing coil
Pressure control in 50 cm ³ reservoir:	pressure adjustment pressure regulator range 700-800 kPa
Ventilation outlet:	100mm duct diameter
Power supply:	110 or 230 VAC
Weight:	70kg (154lbs)

HIGH VOLTAGE BLOCK:

electrode gap:	4 mm
output voltage:	15 kV, power: 0,2 kVA



GLOWING COIL BLOCK:

Glowing wire:	ø1,2
Current adjustment:	automatic
Wire length:	~ 470 mm
Coil diameter:	~ 11 mm
Wire temperature:	>1000°C

ACCESSORIES:

Spoons:	2	Glowing wire:	5
Spare glass tube:	2	HV electrode set:	5
Spatula:	1	User Manual	
Small brush:	2		

The information given in this document represents the state of engineering at the time of publishing. We reserve the right to make modifications to above specifications.