

FILTER SELECTION GUIDE

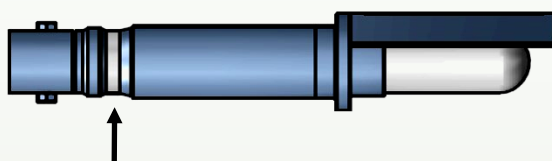
FOR ALL ATEX (GasEX and DustEX) :

Neither the filter material nor the filter head construction can be chosen to be ATEX compliant.

For this reason ATEX systems are **not configurable** in this aspect.

FILTER HEAD CONFIGURATION :





- * Horizontal installation of the probe (recommended -3° to -5° mounting angle) : **Standard filter head** is suitable.
- * Vertical installation of the probe (-40° to -90° mounting angle) : **Filter head of vertical installation** should be used to provide a fast response time to process gas changes.



Additional Sintered Metal Ring for faster gas exchange

FILTER MATERIAL :

ENOTEC offers different types of filter materials and all have different advantages. The correct material has to be chosen according specific application. **The sintered metal disk is only available for KES-1000 (OXITEC Economy) & KES-500X probes.**

Name	Sintered metal disk	Ceramic	Basalt	Sintered metal
Material	1.4404	Al_2O_3	SiC	2.4816
Corrosion possible	Yes	No	No	Yes
Dust load	Low	High	High	High
Mechanical strength	High	Weak	Medium	High
Flue gas temperature	$< 400^{\circ}\text{C}$	$> 180^{\circ}\text{C}$	All	$< 550^{\circ}\text{C}$
Application example	Natural gas combustion	Steel plant	Waste incinerator / biomass	Coal fired power plants
Picture				



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SCAN TO OUR COMPANY DATA

HEAD OFFICE :

Kompleks New Asia No.120-126
Jl. Taman Permata, Lippo Karawaci, Tangerang 15810
Jakarta - Indonesia.
Tel: +62 21 5910810 Fax: +62 21 5911290
Email: info@picoreksapratama.com