

# IVA KOREA Co.,Ltd



Plant Design  
Engineering  
Manufacturing  
Consulting

## Static Classifier series ISC



### Application:

Mineral fillers  
Ceramic fillers  
Food  
Abrasives  
Chemical products  
Metal powders

### Performance:

Feed Capacity up to 5 t/h  
Fineness  $d_{97} = 7 \mu$  to  $150 \mu$

### Features:

Static classifier with no rotating parts  
Feed in the classifying zone by air-borne system  
Closed circuit possible  
Wide range of cut points  
Adjustment of cut point by guide vanes and secondary air  
Construction material can be mild steel, stainless steel or wear protected  
The solid construction and the selected materials of construction give a long life time with low maintenance costs and low investment

# IVA KOREA Co.,Ltd



The classifiers of the ISC-series are so-called static spiral flow.

The separation occurs in flat cylindrical classifying chamber, in which a free vortex flow is created. The parameters of the spiral flow (that means the cut points) are set by adjustable guide vanes. By variation of the diameter of finer outlet and by additional secondary air the cut point can be set in a wide range.

The feed material is transported "airborne" by the primary air into the classifier. Therefore the ISC-classifier can be easily integrated in a circuit with mill or dynamic classifier.

The apparatus have no rotating wheels and are equipped with simple parts. So they can be protected easily and cheap against wear.

In spite of the simple design and construction the ISC-classifiers show a high sharpness of separation, according their optimal created spiral flow.



## Technical Data:

TYPE		ISC 0	ISC 1	ISC 2	ISC 3	ISC 4
Air Flow	[m <sup>3</sup> /h]	800 - 900	1.200 - 1.400	2.400 - 2.800	5.000 - 5.500	7.500 - 8.000
Feed max.	[kg/h]	500	700	1.500	2.000	5.000
Fineness	[μm]	7 - 100	8 - 120	9 - 120	10 - 150	12 - 150

Capacities based on delivered cut point