



# ***Cyclone Technique***

New Concept of Eliminate Water

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## **High Efficiency Water Separator**



**Compressed Air  
WATER SEPARATOR**

**No maintenance  
Water removal efficiency 99%**



# High Efficiency Water Separator



● Cost of components

● Labor cost to replace components

● Time required to replace

 = Zero

 = Zero

 = Zero

High Efficient Water Separator is developed by CAD Computer Patent, its "decelerate" cohesion, accelerate "flow" breaches the features of the traditional Water Separator, it is the only High Efficient Water Separator which can keep higher than 99% efficiency of water separator.

## PRODUCT FEATURES

- 99% efficiency
- Cost-saving
- Easy maintenance, element is unnecessary
- Patent product proved by practice
- High flow capacity
- Low pressure differences
- Equipped with the automatic drainage



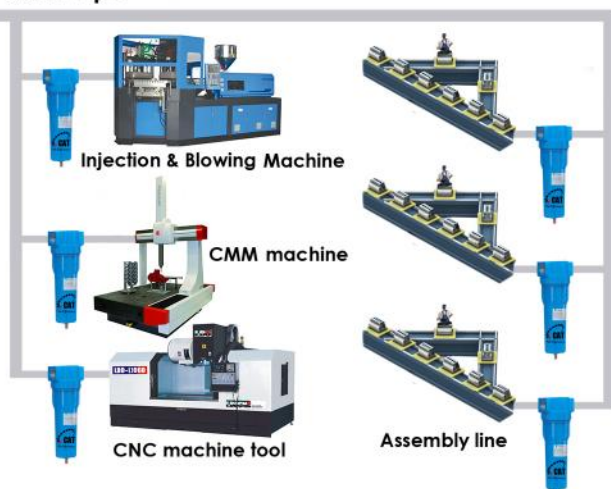
## SPECIFICATION PARAMETERS

### Ideal Cyclone Filter installations

#### Air Compressor



#### Main Pipe





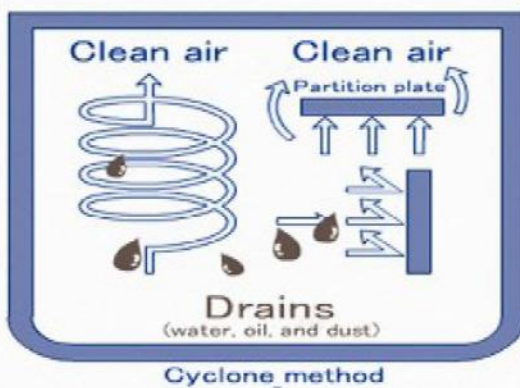


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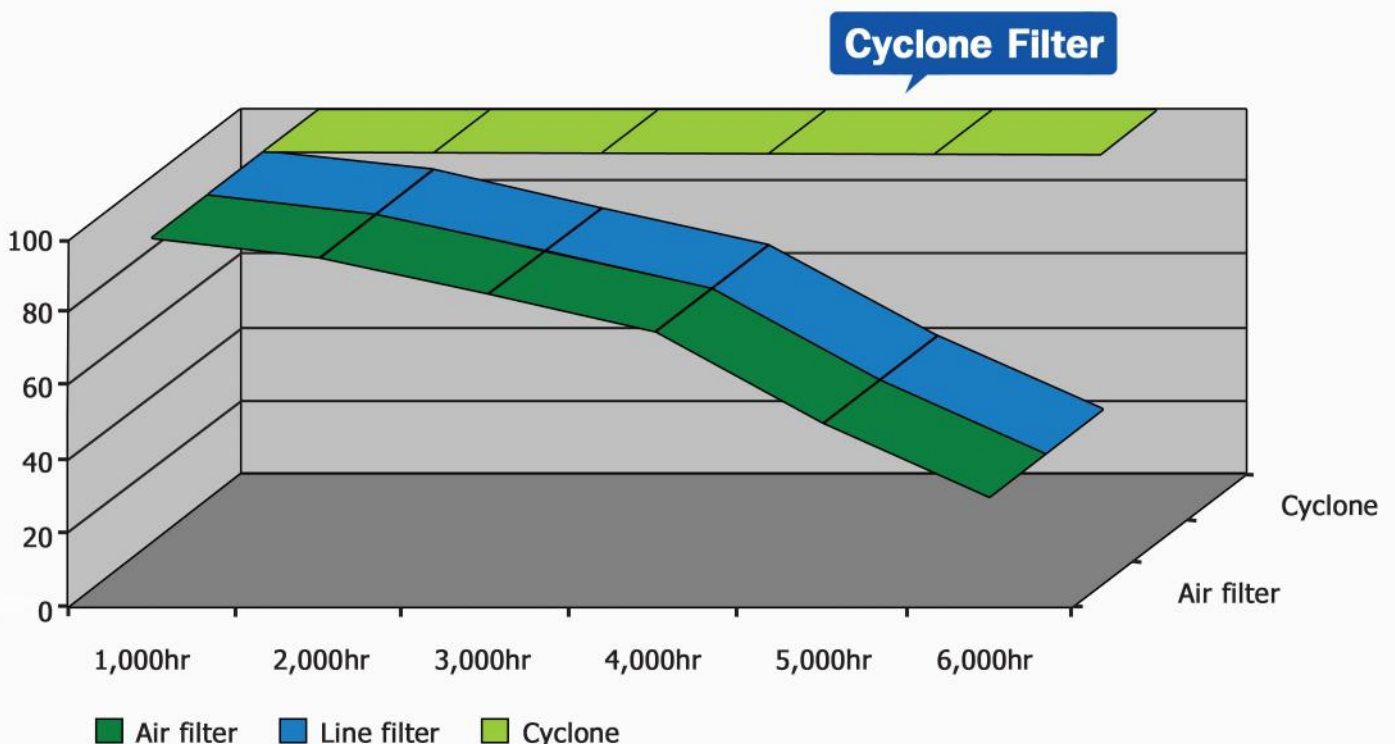
## High Efficiency Water Separator

### Method & Advantages



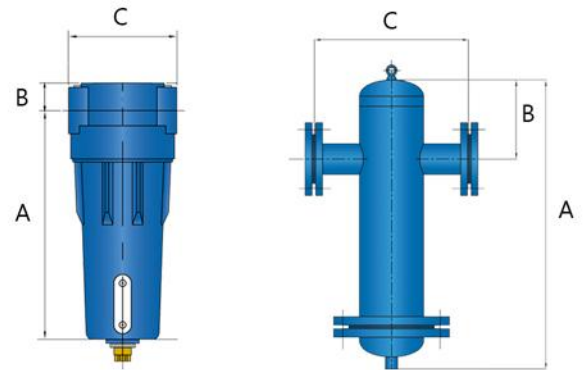
- No Filter
- No Maintenance
- Low price
- No Power Supply
- Compact Design
- No CFCs
- Flexible Air Pressure

### Comparison of Drain Separation Performance



# Technical Specification

- Maximum working pressure: 10 bar (flange type); 16 bar (screw type)
- Maximum working temperature: 120 °C
- Minimum working temperature: 1.5 °C
- Pressure differences: 35 mbar (<0.5psi)



Filter Model	Connections	Flow - Rate			Dimension (mm)			Weight (+Kg)
	Ø	NL/min	Nm <sup>3</sup> /h	SCFM	A	B	C	
CAT 0017C	G ½"	1,700	102	60	217	26	104	1.2
CAT 0035C	G 1"	3,500	210	210	287	26	104	1.5
CAT 0071C	G 1½"	7,100	426	426	385	39	138	3.0
CAT 0106C	G 1½"	10,600	636	374	585	39	138	3.6
CAT 0138C	G 2"	13,800	828	487	639	46	148	9.5
CAT 0175C	G 2"	17,500	1,050	618	779	46	148	11.8
CAT 0221C	G 2½"	22,100	1,326	780	800	50	150	12.0
CAT 0260C	G 2½"	26,000	1,560	918	1,000	50	150	13.6

CAT 0420C	DN65	42,000	2,520	1,483	713	195	380	30.0
CAT 0500C	DN80	50,000	3,000	1,766	713	195	380	31.0
CAT 0600C	DN100	60,000	3,600	2,119	913	230	449	92.0
CAT 0800C	DN125	80,000	4,800	2,825	1,141	263	493	145.0
CAT 1200C	DN150	120,000	7,200	4,238	1,210	301	545	160.0
CAT 1800C	DN200	180,000	10,800	6,357	1,423	361	750	348.0
CAT 2880C	DN250	288,000	17,280	10,171	1,250	410	740	510.0
CAT 4320C	DN300	432,000	25,920	15,256	1,269	485	1,000	662.0

Pressure (bar)	1	3	5	7	9	11	13	15	16	20
Correction Factor	0.38	0.65	0.85	1.00	1.13	1.25	1.36	1.46	1.51	1.62

## Technical notes

- 1) Internal auto drain are fitted to model CAT 0017C - CAT 0106C as standard.
- 2) Float drain (HAD20) are fitted to model CAT 0138C - CAT 0260C as standard.



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