

FEATURES

► The particle-laden air enters the cyclone through a tangent intake. The centrifugal action projects the particles against the cylinder wall and creates a descending spin motion which forces the particles out. The air is evacuated into the atmosphere by a central swirl which is created by the difference in pressure between the inside and the outside of the cyclone.

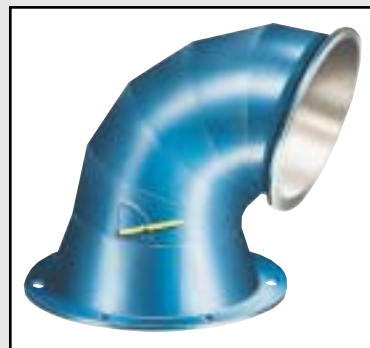
► It should be noted that the air evacuated from the cyclone cannot be recirculated into the plant.

CRITERIA OF SELECTION

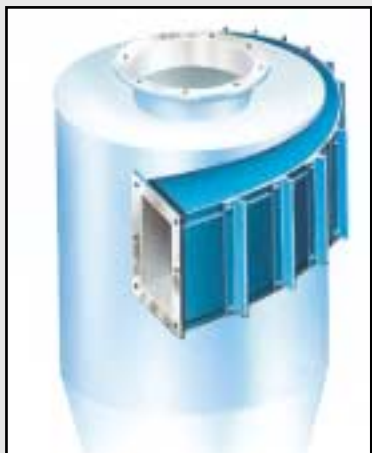
Factors to consider: ► Type of particles
 ► Grain size
 ► Humidity
 ► Concentration

CONSTRUCTION

► Our cyclones are designed according to the use they are meant for. Their thickness varies from 16 ga. to 1/4" in thickness.



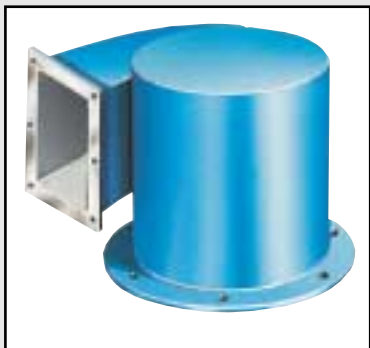
Air outlet elbow with regulation damper



Tangential air inlet with removable wear plate



Structural support



Tangential air outlet

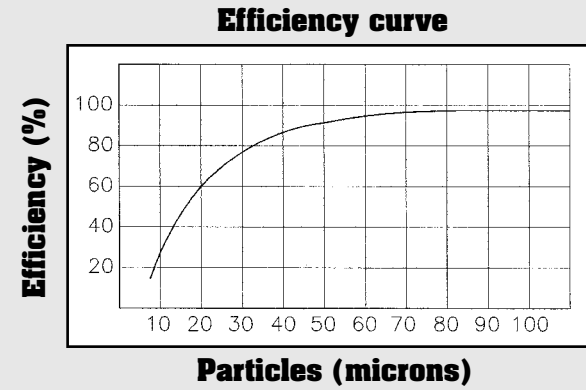


Settling hopper

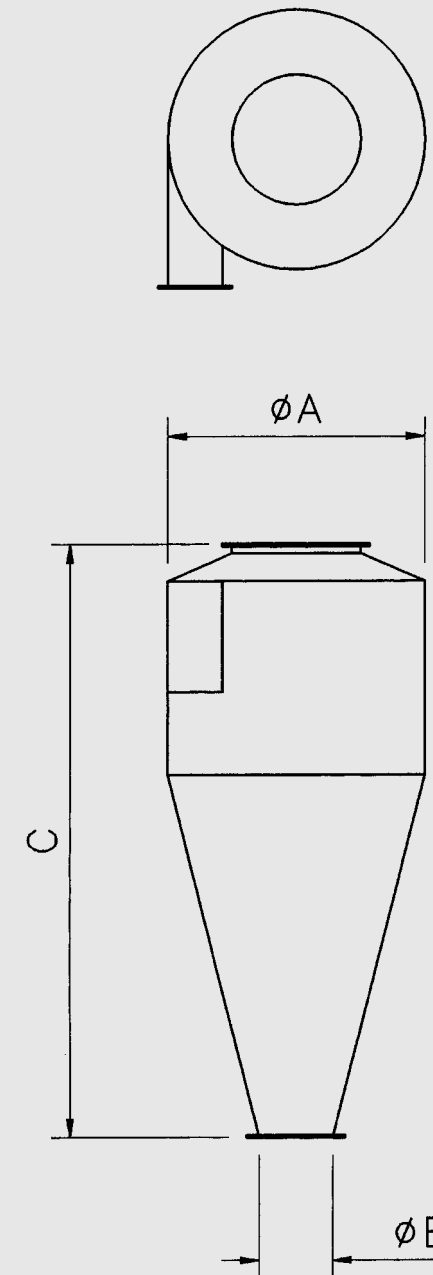
OPTIONAL EQUIPMENT AVAILABLE

GC SERIES

- Medium efficiency
- Use: • Prefiltering primary separation
- Heavy particles

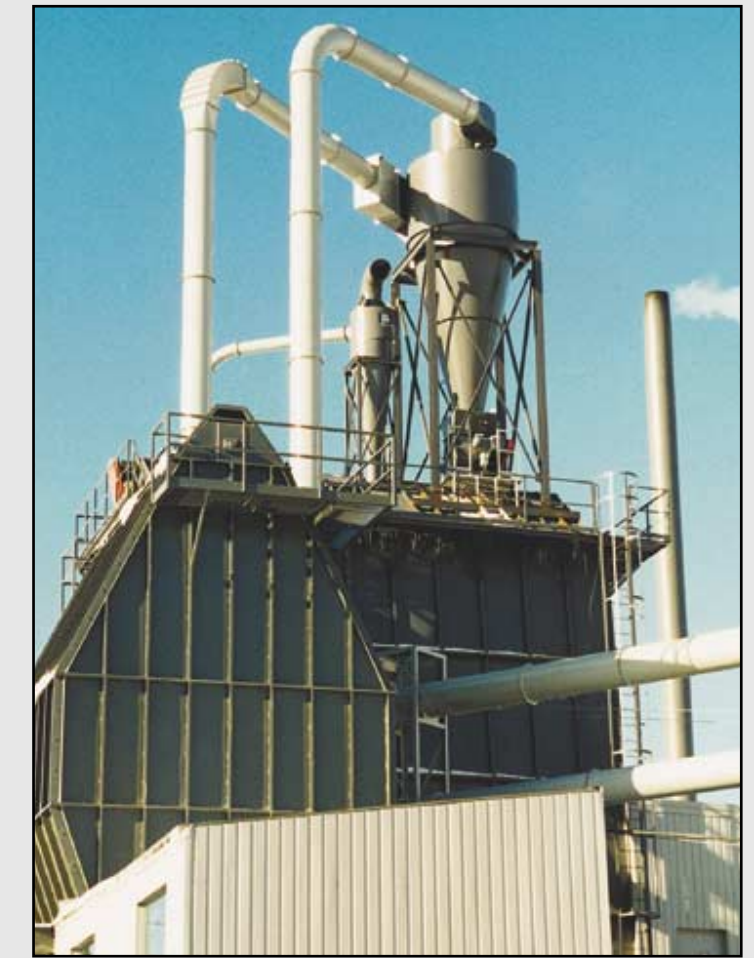


MODEL	CAPACITY (CFM)	A (MM)	B (MM)	C (MM)
GC 700	1050	700	140-200	1605
GC 800	1450	800	160-240	1820
GC 900	1900	900	180-260	2035
GC 1000	2400	1000	200-280	2250
GC 1100	2950	1100	220-300	2465
GC 1200	3550	1200	240-350	2805
GC 1300	4200	1300	260-375	3020
GC 1400	5000	1400	280-400	3235
GC 1500	5750	1500	300-425	3450
GC 1600	6600	1600	325-450	3665
GC 1800	7500	1800	350-500	4095
GC 2000	9500	2000	400-550	4550
GC 2200	11800	2200	450-600	4980
GC 2400	14200	2400	500-650	5410
GC 2600	16900	2600	500-750	5840
GC 2800	19900	2800	550-800	6270
GC 3000	23000	3000	600-850	6750
GC 3200	26500	3200	650-900	7180
GC 3400	30100	3400	650-950	7610
GC 3600	34000	3600	700-1000	8040
GC 3800	38100	3800	750-1100	8470
GC 4000	42500	4000	800-1150	8900
GC 4200	47000	4200	850-1200	9380
GC 4400	51900	4400	900-1250	9810
GC 4600	57000	4600	900-1300	10240
GC 4800	62200	4800	950-1350	10720
GC 5000	67800	5000	1000-1400	11150



► The diameter B varies according to the type and concentrations levels of particles

*The characteristics and the dimensions are subject to change without prior notice



PRINTED IN CANADA



RODAIR
 DIV. OF RODRIGUE METAL LTD.

1890, 1^{er} Rue,
 Saint-Romuald
 (Québec) Canada
 G6W 5M6
 E-mail : rodair@rodriguemetal.com
 Internet : www.rodriguemetal.com

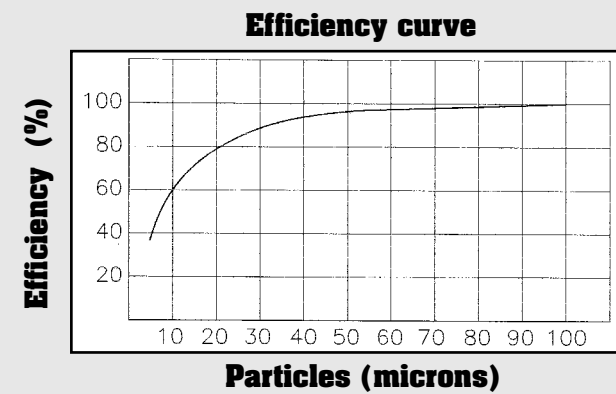
Tel.: (418) 839-0400
 Fax: (418) 839-0201

DISTRIBUTED BY

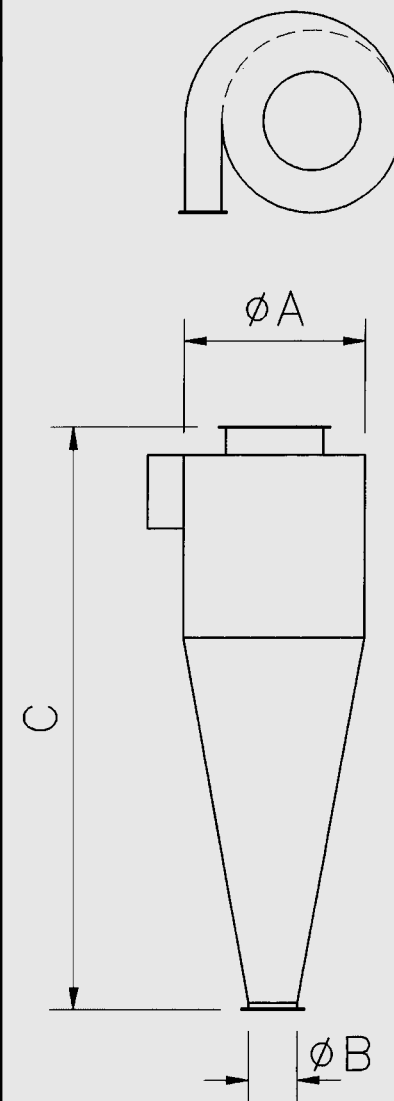
*This pamphlet may not be reproduced without the written authorization of Rodrigue Métal Ltd.

CME SERIES

- High efficiency
- Use: Low or high concentrations of particles ranging from fine to large in size



MODEL	CFM	A (MM)	B (MM)	C (MM)
CME 700	1450	700	140-200	2200
CME 800	1900	800	160-240	2500
CME 900	2400	900	180-260	2800
CME 1000	2950	1000	200-280	3100
CME 1100	3550	1100	220-300	3400
CME 1200	4200	1200	240-350	3825
CME 1300	5000	1300	260-375	4125
CME 1400	5750	1400	280-400	4425
CME 1500	6600	1500	300-425	4725
CME 1600	7500	1600	325-450	5025
CME 1800	9500	1800	350-500	5625
CME 2000	11800	2000	400-550	6250
CME 2200	14200	2200	450-600	6850
CME 2400	16900	2400	500-650	7450
CME 2600	19900	2600	500-750	8050
CME 2800	23000	2800	550-800	8650
CME 3000	26500	3000	600-850	9300
CME 3200	30100	3200	650-900	9900
CME 3400	34000	3400	650-950	10500
CME 3600	38100	3600	700-1000	11100
CME 3800	42500	3800	750-1100	11700
CME 4000	47000	4000	800-1150	12300
CME 4200	51900	4200	850-1200	12950
CME 4400	57000	4400	900-1250	13550
CME 4600	62200	4600	900-1300	14150
CME 4800	67800	4800	950-1350	14750
CME 5000	73500	5000	1000-1400	15350
CME 5200	77000	5200	1200-1500	16000

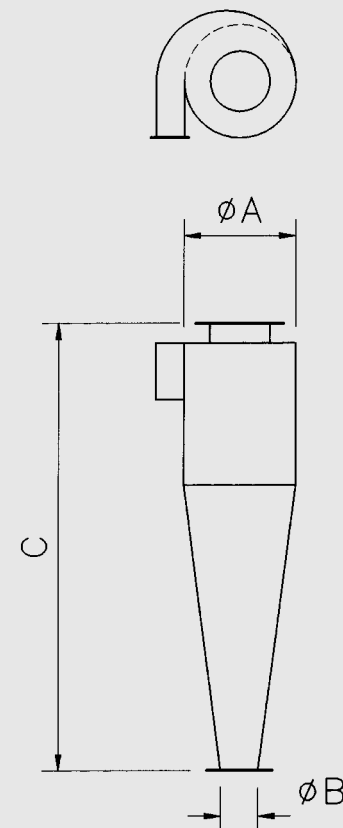


► The diameter B varies according to the type and concentration levels of particles

*The characteristics and the dimensions are subject to change without prior notice

HE SERIES

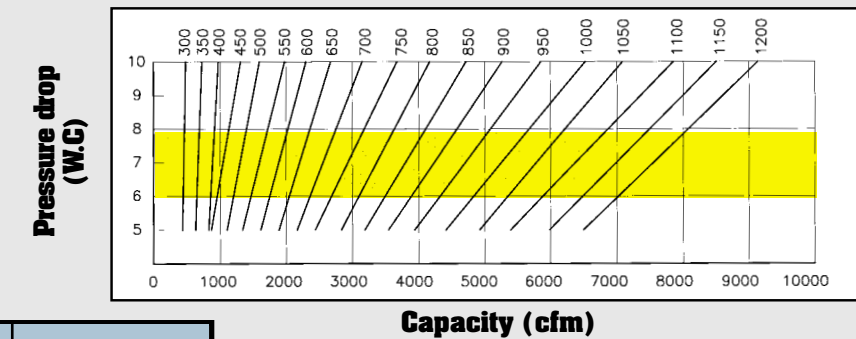
- Very high efficiency
- Use: fine particles
- «Multicyclone» parallel arrangements for processing high volumes of air



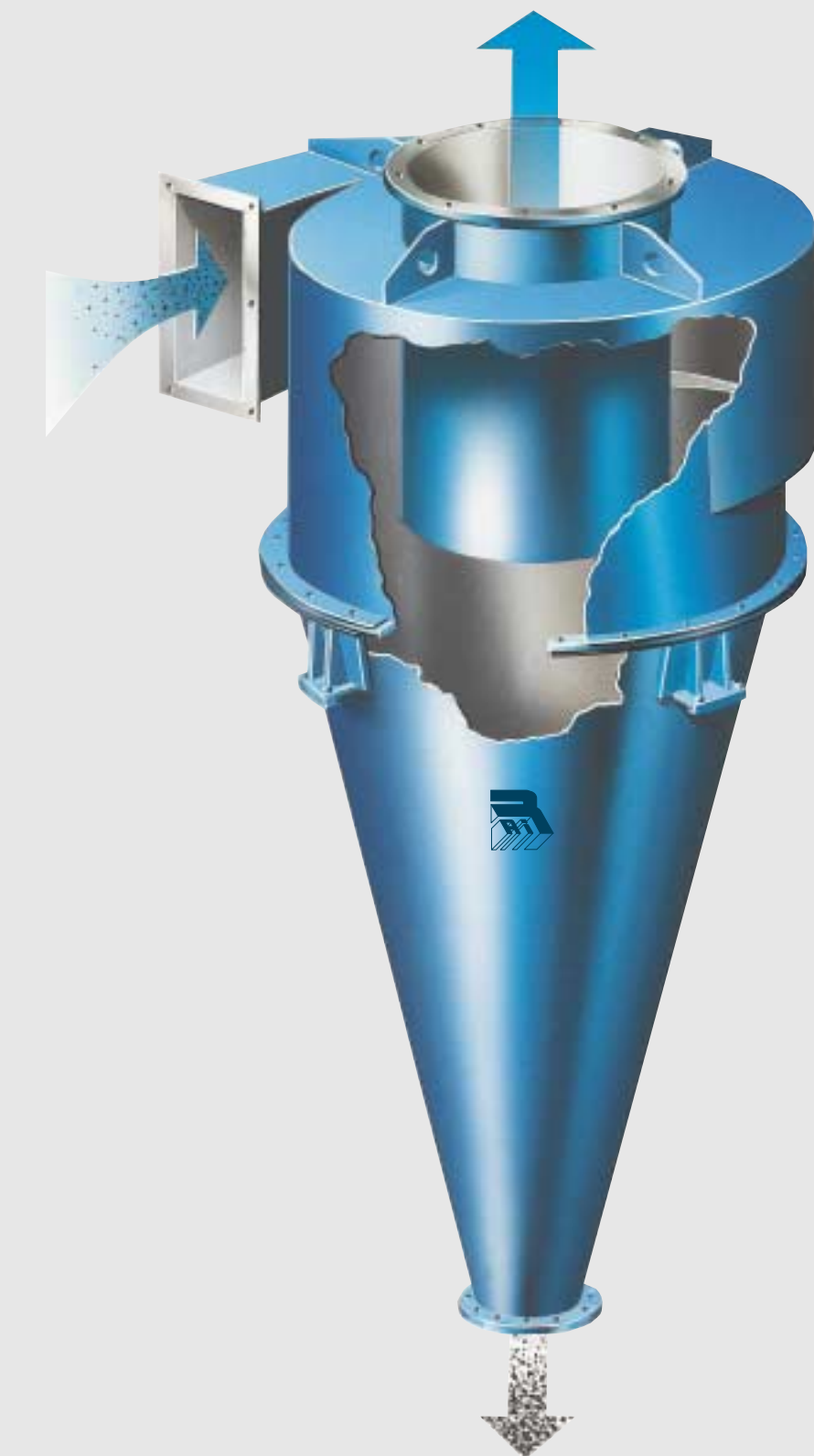
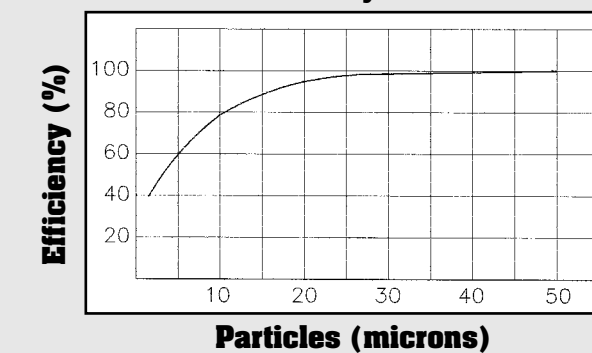
MODEL	A (MM)	B (MM)	C (MM)
HE-300	300	100	1240
HE-350	350	100	1430
HE-400	400	120	1620
HE-450	450	140	1860
HE-500	500	140	2050
HE-550	550	160	2240
HE-600	600	180	2430
HE-650	650	200	2620
HE-700	700	200	2885
HE-750	750	220	3075
HE-800	800	240	3265
HE-850	850	260	3455
HE-900	900	280	3645
HE-950	950	280	3835
HE-1000	1000	300	4025
HE-1050	1050	300	4215
HE-1100	1100	325	4400
HE-1150	1150	350	4600
HE-1200	1200	375	4785



Selection table



Efficiency curve



CYCLONE