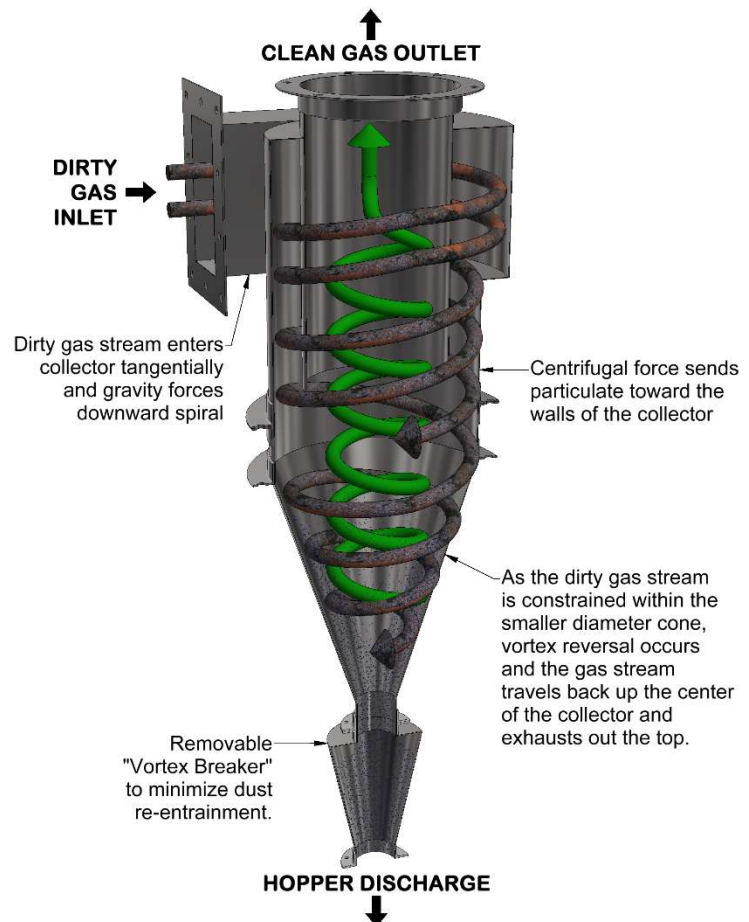


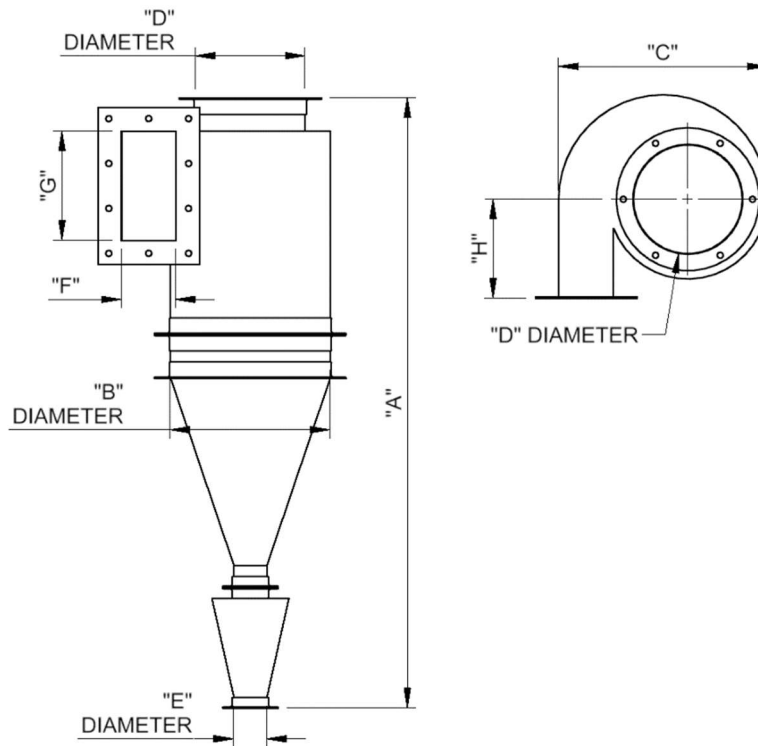
Type TR Cyclone Dust Collector

Aerodyne's traditional cyclone provides for a lower cost cyclone option. Ideal as pre-filters in areas where height isn't an issue, the Type TR cyclone can be fabricated out of carbon steel, stainless steel, or galvanized steel. Standard components of the Type TR cyclone include a removable vortex breaker on the dust discharge to prevent dust re-entrainment, differential pressure gage to monitor the airflow through the cyclone, and support steel. The cyclone is also equipped with a tangential inlet to minimize pressure losses leading to centrifugal motion, an access door to allow inspection of the cyclone, and large outlet flange for lower exit velocity.

The Type TR cyclone has a removal efficiency around 99% of 25 micron dust or better for most dust.

The Type TR traditional cyclone has the dirty air entering on the tangentially near the top of the cyclones imparting centrifugal motion on the airstream. The airstreams rotate down near the cyclone walls using centrifugal motion to drive dust particles out towards the walls. Since the walls of the cyclone converge (conical shape) the velocity increases and the centrifugal forces increase. The clean air then travels up the center of the cyclone until it leaves through the outlet flange located on top of the cyclone. The dust located near the wall falls into the vortex breaker and exits out of the bottom of the cyclone. The vortex breaker is located under the cyclone to minimize dust re-entrainment.





Collector Model	Approx. Dimensions (Inch)							
	A	B	C	D	E	F	G	H
TR60	18	4	6	3	3	2	3	6
TR110	23	6	8	4	3	2	4	6
TR170	29	8	10	5	3	3	5	6
TR240	34	9	11	6	3	3	6	7
TR330	39	10	13	7	3	4	7	7
TR430	45	12	15	8	3	4	8	8
TR670	56	15	19	10	3	5	10	9
TR960	68	18	23	12	4	6	12	9
TR1500	84	21	28	15	4	8	15	11
TR2400	105	26	35	19	4	10	19	13
TR3800	132	33	45	24	6	12	24	14
TR6000	164	42	56	30	6	15	30	15
TR9600	207	53	71	38	8	19	38	17
TR15370	260	66	89	48	12	24	48	19
TR24000	324	82	112	60	15	30	60	21

Collector Model	Airflow (CFM) vs. ΔP	
	2" WC	6" WC
TR60	60	100
TR110	110	180
TR170	170	280
TR240	240	400
TR330	330	550
TR430	430	720
TR670	670	1130
TR960	960	1620
TR1500	1500	2540
TR2400	2400	4070
TR3800	3800	6500
TR6000	6000	10140
TR9600	9600	16280
TR15370	15370	26000
TR24000	24000	40600

Applications

- Pre-filter for dust collectors
- Wood working
- Light and medium industrial service

Accessories Available

- Airlock (Vacu-Valve, rotary valve, double dump valve, knife gate, 55 gallon drum kit)
- Exhaust fan
- Ductwork
- Various instrumentation

Options

- Custom supports
- Painted carbon steel, stainless steel, galvanized steel
- Pilot testing and particle size distribution

