



15000 CFM unit pictured above

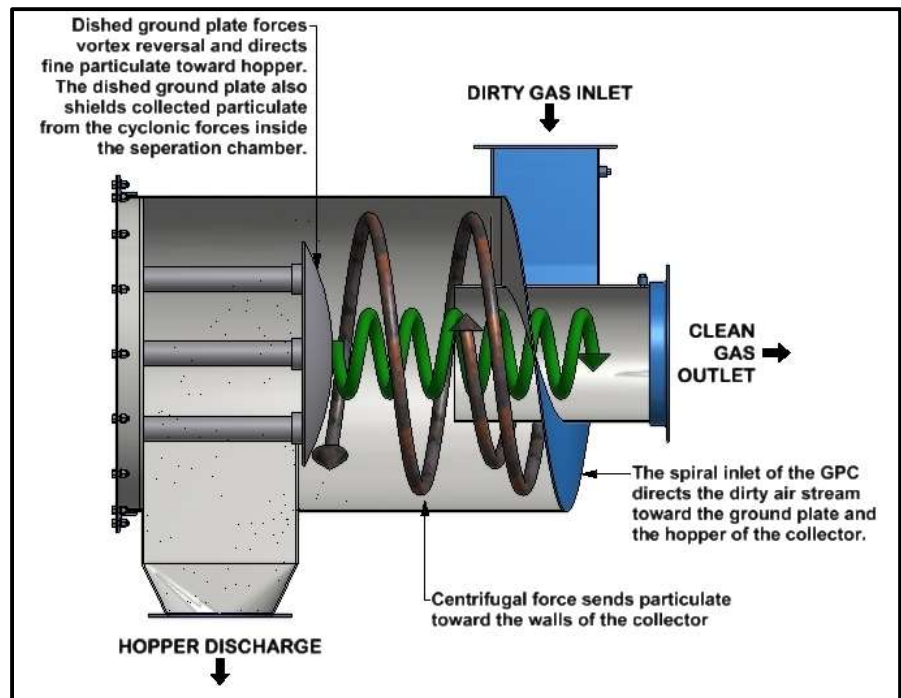
GPC Cyclone

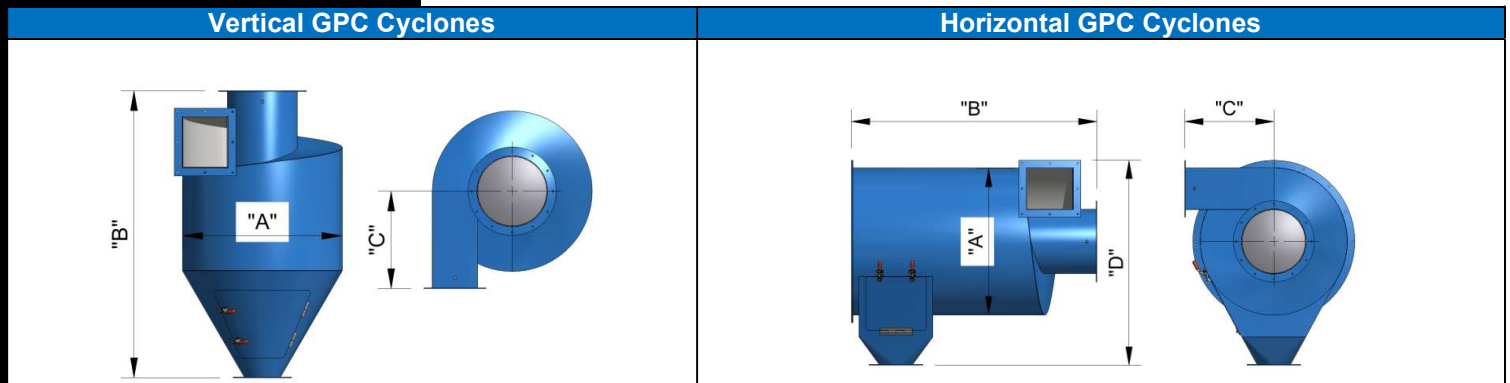
The GPC is a compact dust collection cyclone that uses centrifugal motion to separate particulate from the airflow. Unlike traditional cyclones, the GPC uses a Ground Plate to deflect dust toward the walls, while at the same time reversing the direction of the airflow.

- Ideal for applications with limited space
- Extend bag and cartridge filter life
- 6 sizes under 8 ft³ per NFPA 654
- **Great for product reclamation and ingredient recycling**

Advantages

1. The Ground Plate allows the GPC to collect dust with a horizontal design. Since the Ground Plate deflects the particulate to the walls and away from the center, the GPC can be designed for horizontal operation.
2. The GPC design is compact compared to traditional cyclones. A vertical GPC is about one-half the height of a traditional cyclone, while a horizontal GPC is about one-third the height of a traditional cyclone.
3. The GPC provides high particulate removal efficiency. It will provide 99% removal of 20 micron dust (spherical shape, specific gravity of 1.0)
4. The Ground Plate isolates the hopper, preventing product re-entrainment and minimizing wear that is common near the bottom of standard cyclones.





Collector Model	Approx. Dimensions (Inch)			Approx. Weight (LBS)	Collector Model	Approx. Dimensions (Inch)				Approx. Weight (LBS)
	9	B	C			A (ID)	B	C	D	
GPC-08	9	20	8	27	GPC-08	9	25	8	16	44
GPC-12	13	22	8	50	GPC-12	13	26	8	20	82
GPC-15	16	27	12	73	GPC-15	16	31	12	22	109
GPC-18	18	32	14	94	GPC-18	18	33	14	25	136
GPC-20	20	37	14	142	GPC-20	20	40	14	29	210
GPC-24	24	42	16	203	GPC-24	24	43	16	34	273
GPC-27	27	49	18	261	GPC-27	27	46	18	40	328
GPC-30	30	54	19	312	GPC-30	30	49	19	41	389
GPC-36	36	65	22	442	GPC-36	36	61	22	51	576
GPC-40	40	72	24	554	GPC-40	40	64	24	57	689
GPC-42	42	77	25	610	GPC-42	42	67	25	58	747
GPC-48	48	90	28	780	GPC-48	48	75	28	67	951
GPC-54	55	104	34	1042	GPC-54	55	89	34	78	1280
GPC-60	60	116	36	1714	GPC-60	60	100	36	82	2089
GPC-66	66	123	39	1949	GPC-66	66	102	39	91	2500
GPC-72	72	137	42	2436	GPC-72	72	113	42	99	2969
GPC-84	84	153	48	3060	GPC-84	84	119	48	118	3745
GPC-96	96	168	54	5000	GPC-96	96	129	54	134	4600
GPC-108	108	197	60	6300	GPC-108	108	154	60	154	6061
GPC-120	120	225	67	7800	GPC-120	120	167	67	170	7260
GPC-132	132	254	72	9400	GPC-132	132	179	72	189	8553

Airflow (CFM) vs. ΔP					
Collector Model	2" WC	3" WC	4" WC	5" WC	6" WC
GPC-08 *	160	200	230	260	285
GPC-12 *	285	350	400	450	500
GPC-15 *	485	600	700	775	850
GPC-18 *	650	800	930	1000	1100
GPC-20 *	900	1100	1300	1400	1550
GPC-24 *	1200	1500	1750	1900	2150
GPC-27	1600	2000	2300	2600	2850
GPC-30	2000	2500	2900	3200	3550
GPC-36	2900	3500	4000	4500	5000
GPC-40	3600	4500	5200	5800	6400
GPC-42	4000	5000	5800	6500	7100
GPC-48	5500	6800	7900	8800	9600
GPC-54	6900	8500	9900	11000	12000
GPC-60	8500	10500	12200	13500	14900
GPC-66	10500	13000	15000	16700	18500
GPC-72	13500	16500	19000	21300	23400
GPC-84	17000	21000	24000	27000	29500
GPC-96	21000	26000	30000	33500	36900
GPC-108	26500	33000	38000	42000	46500
GPC-120	33000	40000	47000	52000	57500
GPC-132	40000	49000	57000	63000	70000

* Denotes under 8 ft³ per NFPA 654

GPC Applications

- Product reclamation
- Air cleaning
- Pre-cleaner for baghouse, cartridge collector, wet scrubber, or ESP
- Pneumatic conveying separator

Particulates

- Ceramics
- Glass beads
- Fiberglass
- Sand and rock dust
- Wood dust
- Cereal and grain
- Cement dust
- Metals
- Guar particulate
- Paper
- Food and pet food

Industries

- Mining & quarries
- Pharmaceutical
- Food processing
- Petro-chemical
- Woodworking
- Steel mills
- Metal processing
- Coffee roasters
- Animal food manufacturers
- Ceramics
- Machine shop
- Maritime

Options

- Carbon steel, stainless steel, AR steel, fiberglass, special alloys, coated steel
- Vertical or horizontal configuration
- Access doors
- Quick connect flanges
- Airlock
- Support steel
- Exhaust fan
- Differential pressure gage
- Level switch
- Dampers and ductwork
- Explosion vents
- Connections for chemical suppression
- Vibrator

