

Vacuator™ Valves Automatically Expel Dust and Water

The Vacuator Valve, standard on the majority of Donaldson air cleaners, is an important part of the functionality of the air cleaner. It is an integral part of the pre-cleaning stage on two-stage air cleaners.

The dust cup, where pre-cleaned dust is collected, is normally under a slight vacuum when the engine is running. The normal engine pulsing of the vacuum causes the Vacuator Valve to open and close. This action automatically expels any collected dust and water. The Vacuator Valve also unloads when the engine is stopped.



The Donaldson Vacuator Valve, also known as VacValve, is made in a variety of sizes and shapes to fit various applications. The Donaldson part number is molded into each part for easy identification.

Application Notes

For proper operation, the Vacuator Valve should be located at the lowest point on the air cleaner or dust cup pointing down.

Never paint the Vacuator Valve. Solvents and chemicals will shorten the usable life.

If the Vacuator Valve is torn, shredded or turned inside out, its durometer may be too soft for the application. Choose a model with a harder durometer (higher number). Conversely, if the Vacuator Valve doesn't empty itself properly, the durometer may be too hard. Choose one with a softer durometer (lower number.)

Vacuator Valves

Part Number	Diameter		Durometer	Used on Air Cleaner Styles
	in	mm		
P103198	3.0	76	40	FRG 10", 12", 14" and 16"; FHG 10", 12", 14" and 16"; FTG; FWA 5"-16"; FWG 4"-16"; SRG; In-line Water Separators
P105220	3.0	76	60	FRG 18"; FHG 8"; FVG160587
P106593	3.0	76	60	FHG 6"-8", High Pulsation Models
P112803	3.0	76	40	FHG 6"-8"; PSD 10", PSD 12"; SBG 14"-16"; SDG; STG 12"-16"
P149099	1.0	25	60	ERA; EBA; EBB; ECG
P158914	2.0	51	50	FKB; PSD 8"; PSD 9"; FPG 6" and 8"; FRG 5"-9", 11"; FHG 5", FWG; FWA; Moisture Skimmers
P522958	2.0	51	60	FPG 4" -5"; FHG
P525956	1.0	25	60	EPG 11", 13", 15"
P776008	2.0	51	60	FPG 9", 10" Twist-off cover; FRG 10", 13", and 15"

For the longest filter service life, replace damaged or missing Vacuator Valves immediately!

If your valve is cracked, torn, remains open or is missing, dust particles that are normally expelled can deposit themselves onto the filter and will shorten air filter service life. **Replace it!**

