

# Detritus Defender™ Gen Zero



## DETRITUS DEFENDER GEN ZERO

### Stop Hand Injuries During Plug Drill Outs

Introducing the Detritus Defender™ Gen Zero from Black Diamond

At Black Diamond, safety is our top priority. We understand the dangers associated with flowback during plug drill outs, especially for newer crew members who may need to become more familiar with the risks.

Here's a common scenario a customer asked us to help them solve after experiencing four significant hand injuries in the last 12 months:

*A flowback event occurs during a plug drill out. In a rush to contain the situation, crew members put themselves at risk by trying to unscrew or break a connection on the traditional plug catcher manifold, which can lead to hand injuries.*

Gen Zero is a revolutionary, in-line filter designed to eliminate the need for direct contact with the flowback stream during plug drill outs while ensuring the highest quality of filtration. This innovative tool provides a safer, patented solution that can help prevent these types of injuries.



### Benefits of Gen Zero

**Reduced Risk of Injury:** By keeping hands out of the “line of fire”, Gen Zero minimizes the potential for flowback related hand injuries.

**Improved Efficiency:** The in-line design streamlines the process, saving valuable time on the job.

Specifications		
Length (in)	42.9	
Weight with screen (lb)	447	
Filter Length (in)	25	
Max. Flow Rate (gpm)	1,400	
Pressure Rating (psi)	7,500	
Filtration Capacity	(bbl/min)	33
	(bbl/hr)	2000
Pressure Drop (psi) <sup>1</sup>	36	

<sup>1</sup> Flow rate 1,400 gpm, fresh water (8.33 lb/gal)

**Innovative Technology:** Gen Zero's patented design offers a unique and effective solution to a common problem.

#### Gen Zero: A Spotlight on Flowback Safety

Black Diamond is committed to providing our customers with the safest possible work environment. Gen Zero is a powerful example of our commitment to innovative solutions prioritizing crew safety.

#### Learn More & Raise Awareness

We encourage all operators to explore the benefits of Gen Zero and share this information with their teams. Let's work together to raise awareness of flowback hazards and prevent future injuries.

Contact Black Diamond today to learn more about Gen Zero and how it can help your team work more safely and more efficiently.



## LOCATIONS

### USA

#### **BLACK DIAMOND CORPORATE**

7906 North Sam Houston Parkway W  
Suite 200  
Houston , TX 77064  
1.281.443.0062

#### **BLACK DIAMOND BROUSSARD**

1173 Old Spanish Trail, Hwy 182 N  
Broussard, LA 70518  
1.337.359.1994

#### **BLACK DIAMOND CONROE**

4205 FM 1485  
Conroe, TX 77306  
1.936.441.1480

#### **BLACK DIAMOND MWD**

2418 N Frazier Street #100  
Conroe, TX 77303  
1.936.202.2889

#### **BLACK DIAMOND WEST TEXAS**

3510 N. County Rd 1148  
Midland, TX 79705  
1.432.689.0076

### CANADA

#### **BLACK DIAMOND EDMONTON**

Wenzel Downhole Tools  
3115 - 93 Street NW  
Edmonton, AB T6N 1LY  
1.780.440.4220

### GUYANA

#### **BLACK DIAMOND GEORGETOWN**

Plantation "A"  
Houston District  
East Bank Demerara  
Georgetown, Guyana

### MEXICO

#### **BLACK DIAMOND VILLAHERMOSA**

Avenida San Lucas Manzana 2 Bodega 3 y 4  
Parque Logistico Industrial Tabasco  
Rancheria Anacleto Canabal 4ta. Seccion.  
Centrol, Tabasco C.P. 86287  
+52 993 688 8579

#### **BLACK DIAMOND TAMPICO**

Carretera federal 20 de Noviembre km 18.7  
Congregacion Anahuac  
Pueblo Viejo, Ver., C.P. 92035  
+52 993 688 8579

### MIDDLE EAST

#### **BLACK DIAMOND ABU DHABI**

Wenzel Downhole Tools  
Al Markaz Industrial Area  
Waha Land, LT01 B25-32  
Abu Dhabi, U.A.E.  
+971 2 585 2800