



Hercules®-Plus RetroDrain® with Vortex Breaker Strainer™

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

The OMG Hercules-Plus RetroDrain features the OMG vortex-breaker technology integrated into the cast aluminium strainer dome. With vortex-breaker technology, the Hercules-Plus can provide up to 2.5 times greater water flow, compared to the existing Hercules drain, which means that water and excessive weight can leave the roof quickly.

In addition to faster water flow off the roof, the vortex breaker can greatly reduce 'chugging' which can damage plumbing systems.

The OMG Hercules-Plus RetroDrain features a one-piece spun aluminium body and heavy-duty cast-aluminium clamping ring for strength and durability. The drain flange has a depressed sump area to facilitate water drainage and the original U-Flow® Seal offers a mechanical watertight connection to PVC or cast-iron pipes to prevent water from backup damage.

FEATURES & BENEFITS

- Up to 2.5 times greater water flow vs standard Hercules Drains so water and excessive dead load weight can get off the roof faster.
- Safety yellow design stands out on the roof and helps protect it from accidental damage.
- The strainer and clamping ring are made of heavy-duty cast aluminium for strength, durability and long life on the roof.
- One-piece seamless aluminium body provides strength and durability without separation of the flange from the stem.
- Extra large flange allows positive attachment of roof flashing membrane while the sump area facilitates drainage.
- Simple and easy to install from rooftop without disturbing building occupants.

- 305 mm (12") long drain stem accommodates most existing field conditions. Custom lengths available.
- Incorporates the original U-Flow Seal which exceeds the ANSI/SPRI Standard for back-flow pressure.
- Optional copper drains and TPO- or PVC-coated flanges available for direct membrane attachment.



APPROVALS & STANDARDS



ANSI/SPRI RD-1 – developed by SPRI (sheet membrane and component suppliers to the commercial roofing industry), a certified canvasser of the ANSI (American National Standards Institute), and features a test protocol designed to assure a leak-free connection to existing plumbing.



ULC/ORD-C790.4 – developed by Underwriters' Laboratories of Canada and features a test protocol designed to assure a leak-free connection to existing plumbing and impact testing to provide strength.

PHYSICAL DATA

DRAIN BODY		SEAL	
3 mm (.125") spun aluminium		Watertight U-Flow mechanical seal requires U-Flow screwdriver	
FLANGE		STRAINER DOME	
445 mm (17 1/2") diameter with sump area		Yellow Vortex Breaker made of cast aluminium	
STEM		CLAMP RING	
305 mm (12") length		Cast aluminium	

ORDERING INFORMATION

CAT. NO.	SIZE MM (IN)	DESCRIPTION	PKG	DIMENSIONAL WEIGHT KGS (LBS)
HDAL3V	75 (3)	Standard	Each	12.2 (27)
HDAL4V	100 (4)	Standard	Each	12.2 (27)
HDAL5V	125 (5)	Standard	Each	12.2 (27)
HDAL6V	150 (6)	Standard	Each	12.2 (27)
HDTP03V	75 (3)	TPO-Coated Flange	Each	12.2 (27)
HDTP04V	100 (4)	TPO-Coated Flange	Each	12.2 (27)
HDTP05V	125 (5)	TPO-Coated Flange	Each	12.2 (27)
HDTP06V	150 (6)	TPO-Coated Flange	Each	12.2 (27)
HDPVC3V	75 (3)	PVC-Coated Flange	Each	12.2 (27)
HDPVC4V	100 (4)	PVC-Coated Flange	Each	12.2 (27)
HDPVC5V	125 (5)	PVC-Coated Flange	Each	12.2 (27)
HDPVC6V	150 (6)	PVC-Coated Flange	Each	12.2 (27)
HDCUC3V	75 (3)	Copper	Each	12.2 (27)
HDCUC4V	100 (4)	Copper	Each	12.2 (27)
HDCUC5V	125 (5)	Copper	Each	12.2 (27)
HDCUC6V	150 (6)	Copper	Each	12.2 (27)



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PERFORMANCE CHART

FLOW RATE OF HERCULES DRAINS IN LITER PER MINUTE (LPM) WITH OMG VORTEX BREAKER				
HEAD OF WATER	75 mm (3") HERCULES PLUS	100 mm (4") HERCULES PLUS	125 mm (5") HERCULES PLUS	150 mm (6") HERCULES PLUS
mm (-in.)	Liters per minute (Gallons per minute)	Liters per minute (Gallons per minute)	Liters per minute (Gallons per minute)	Liters per minute (Gallons per minute)
25 (1)	113 (30)	162 (43)	132 (35)	105 (28)
50 (2)	280 (74)	287 (76)	355 (94)	416 (110)
76 (3)	416 (110)	711 (188)	564 (149)	919 (243)
101 (4)	522 (138)	1131 (299)	1116 (295)	2259 (597)

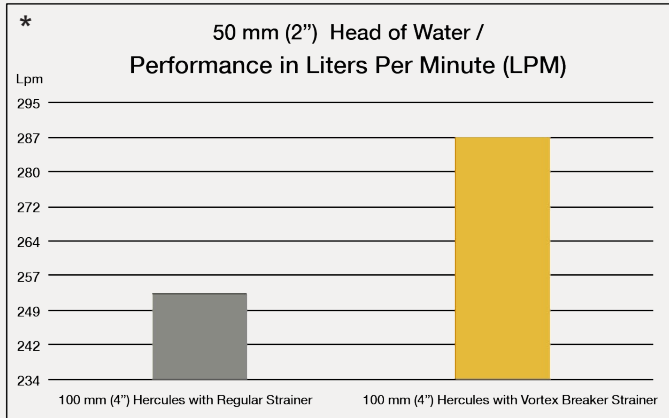
Flow performance is influenced by various factors such as the transition radius and seal sizing variations, and is not linear across all drain sizes due to the one-size-fits-all design of the strainer.

Tested by an independent test laboratory in accordance with ASPE/IAPMO/ANSI Z1034-2015 Test Method for Evaluating Roof Drain Performance and conducted in accordance with Section 4.1 Vertical-Pipe Roof-Drain Test.

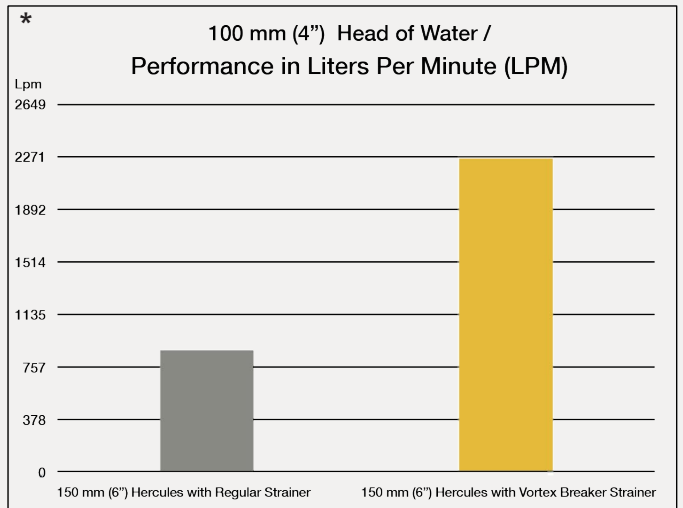
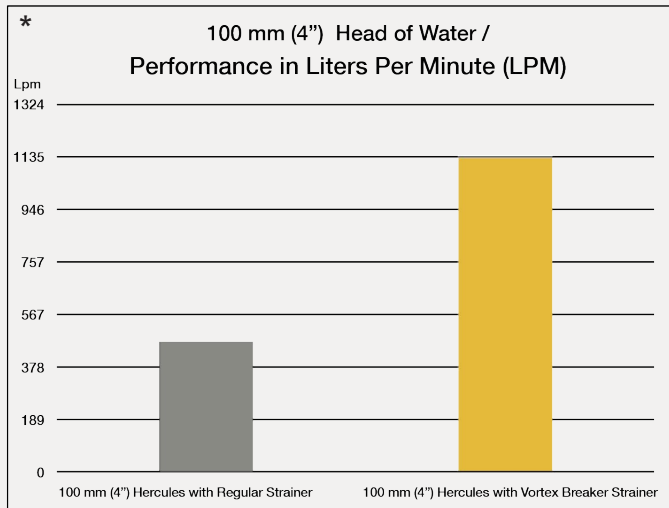
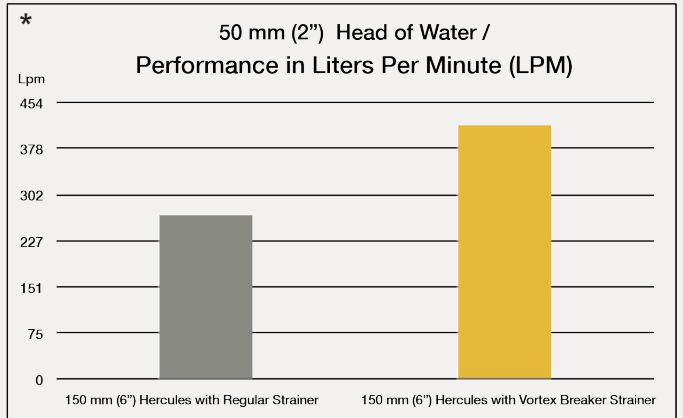
IMPROVED FLOW

Below is a chart showing some comparisons between Hercules Drains with and without the vortex-breaker technology. Complete data is available by contacting OMG Roofing Products.

100 MM (4") HERCULES VS HERCULES-PLUS



150 MM (6") HERCULES VS HERCULES-PLUS



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