

FLEXSTORM[®]

INLET FILTERS

Introducing FLEXSTORM HD, our Heavy Duty lineup for Concrete Structures

State DOTs and Municipalities across the country now have a universal structural BMP to address the issue of storm sewer inlet protection. The FLEXSTORM system is inexpensive, configurable and adjustable and offers more versatility to fit the wide array of drainage structures throughout the United States while offering various levels of filtration. In addition to its standard product line for frame and grate castings, FLEXSTORM now offers a comprehensive lineup for concrete structures.



For Rectangular Grated Inlets

FLEXSTORM HD

Heavy Duty Stainless Steel construction with high flow bypass flanges.



Shown with PC+ Filter Bag

FLEXSTORM HD (RECTANGULAR FRAMING)

CATCH BASING CLEAR OPENING SIZES	FRAME P/N
Small: 12" x 12" up to 16" x 16" (or 64" max perimeter)	62SHD
Medium: 18" x 18" up to 24" x 24" (or 96" max perimeter)	62MHD
Large: 26" x 26" up to 30" x 30" (or 120" max perimeter)	62LHD
XL: 32" x 32" up to 48" x 48" (192" max perimeter) 2pc set	62XLHD

For Round Grated Inlets

FLEXSTORM HDR

Stainless steel weldments can be customized to fit various round openings.



Shown with FX Filter Bag

FLEXSTORM HDR (ROUND FRAMING)

ROUND OPENING SIZES	FRAME P/N
Small: Up to 18" dia opening	62SHDR
Medium: Up to 24" dia opening	62MHDR
Large: Up to 36" dia opening	62LHDR



Shown with FX+ Filter Bag

Flexstorm's configurable systems are covered under US Patent No. 7,670,483



For Curb Inlet Openings

FLEXSTORM HD WALL MOUNT

FLEXSTORM HD Wall Mount filters are designed to mount easily inside open throat concrete structures beneath the curb opening. Maintenance is also simplified with the easy off hanger system. Filter framing and mounting brackets are made of 304 stainless steel material for long life in harsh environments.



FLEXSTORM HD WALL MOUNT

CURB OPENING SIZE	FRAME P/N
Up to 4' curb openings (1 Filter and Mounting Hardware)	62HDWM1
Between 4' and 8' (2 Filters and Mounting Hardware)	62HDWM2
Between 8' and 12' (3 Filters and Mounting Hardware)	62HDWM3
Between 12' and 16' (4 Filters and Mounting Hardware)	62HDWM4

FILTER BAG OPTIONS

FLEXSTORM offers seven different filter bag options for any of the framing styles. For complete test results visit www.inletfilters.com

FLEXSTORM FILTER BAGS	STANDARD BAG P/N (22" depth)	SHORT BAG P/N (12" depth)
FX: Standard Woven Bag	FX	FX-S
FX+: Woven w/ MyCelx	FXP	FXP-S
FXO: Woven w/ Oil Boom	FXO	FXO-S
PC: Post Construction Bag	PC	PC-S
PC+: PC Bag w/ MyCelx	PCP	PCP-S
LL: Litter and Leaf Bag	LL	LL-S
IL: IDOT NonWoven Bag	IL	IL-S

FILTER BAG TEST RESULTS

FX FILTRATION EFFICIENCY = 82% †

† Large scale, 3rd party testing per ASTM D 7351, Standard Test Method for Determination of Sediment Retention Device Effectiveness in Sheet Flow Application using 7% USDA Sandy Loam

PC/PC+ TSS = 99% TPH = 97% ‡

‡ Large scale testing at 90 GPM. 3rd party results using US Silica OK-110 sand at 1750 mg/L measuring TSS per SM 2540D. TPH tested at 243 mg/L used motor oil using EPA Method 1664A.

FILTER BAG SPECIFICATIONS & CAPABILITIES

Bag Type (P/N)	Clean Water Flow Rate (GPM/SqFt)	Min A.O.S. (US Sieve)
Woven (FX)	200	40
Post Construction (PC)	137	140
NonWoven (IL)	145	70
Litter & Leaf Bag (LL)	High	3.5

Total Bypass Capacity:

Bypass capacity will vary with each size drainage structure. Flexstorm designs filter bypass to meet the minimum design flow of the particular drainage structure.

Standard Bag Size [§]	Solids Storage Capacity (CuFt)	Filtered Flow Rate at 50% Max (CFS)			Oil Retention (Oz)		
		FX	PC	IL	PC*	PCP**	FX+
Small	1.6	1.2	0.8	0.9	66	155	89
Medium	2.1	1.8	1.2	1.3	96	185	89
Large	3.8	2.2	1.5	1.6	120	209	89
XL	4.2	3.6	2.4	2.6	192	370	178

* PC filter bag at 50% max adsorption capacity

** PC filter bag at 50% capacity and MyCelx skimmer at 100% capacity

§ Standard bags are 22" in depth. Short bags are 12" in depth, reducing solids storage capacity by approximately 50%.

CREATE YOUR PART NUMBER

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FRAME P/N

FILTER BAG P/N

Create your FLEXSTORM Inlet Filter part number combining your frame and bag part numbers. Please note that the specific casting foundry make and model number, DOT callout, or detailed dimensional form must be provided with any order so FLEXSTORM can configure your customized solution. All units are shipped to the field fully assembled to fit precisely into your identified drainage structure.

Flexstorm's complete product offering is available nationwide at your local ADS distributor. Contact your local ADS sales rep or our inside sales staff at 770-932-2443. For additional product information including CAD drawings, test reports, and informational videos, please visit us online at www.inletfilters.com.

ALL PRODUCTS MANUFACTURED BY:



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www.inletfilters.com

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