

# **ENORME™**

## **UPVC Filtration Solutions**

Multi-Cartridge Filter Housings & Bag Filter Assemblies

Corrosion-resistant, cost-effective filtration systems engineered for high-flow industrial, water treatment, RO pretreatment, and chemical processing applications.

TECHNICAL PRODUCT CATALOGUE

# 1. ENORME UPVC MULTI-CARTRIDGE FILTER HOUSINGS

## Key Features & Benefits

- **Superior Corrosion Resistance:** Ideally suited for seawater, brine, and aggressive chemical filtration without degrading.
- **High-Flow Architecture:** Engineered robustly to house multiple filter cartridges safely.
- **Economical Advantage:** Delivers premium lifecycle durability at a fraction of the cost of traditional stainless steel housings.
- **Simplified Maintenance:** Designed for quick cartridge access, replacements, and minimal downtime.
- **Leak-Resistant Design:** Formed with advanced bottom-to-top flow dynamics to maximize product safety.

## Primary Applications

- Reverse Osmosis (RO) Pretreatment Systems
- Industrial Process Water & Wastewater Treatment
- Seawater Desalination Plants
- Chemical Processing & Solvent Filtration
- Electronics, Semiconductor & Food & Beverage Filtration

## Technical Specifications Overview

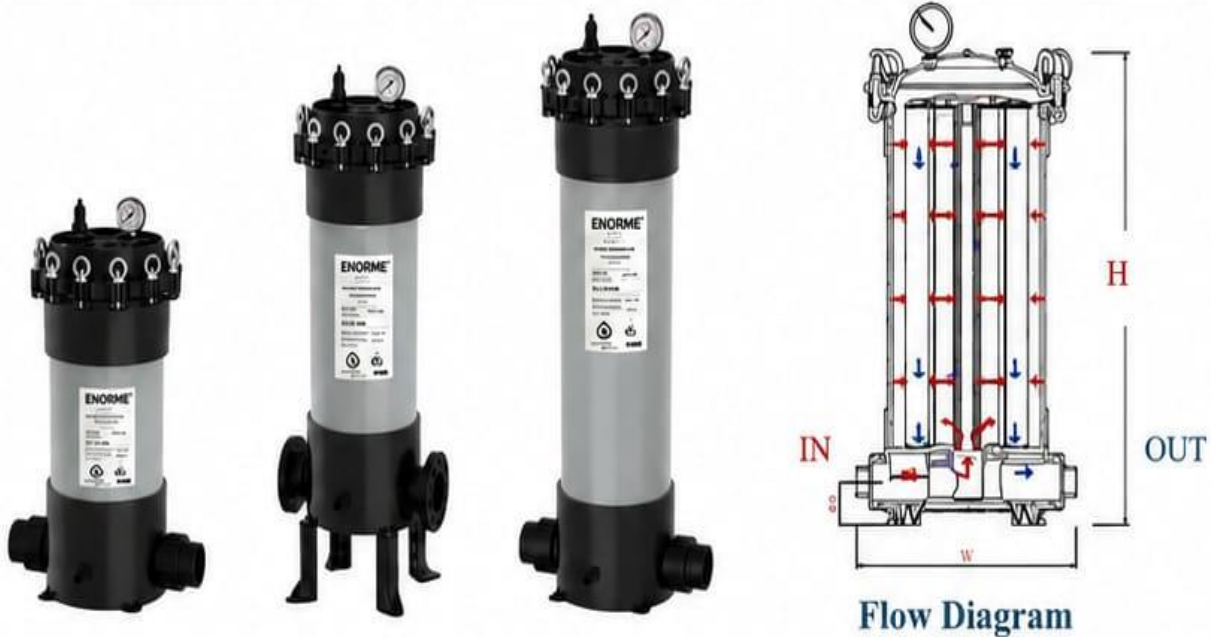
SPECIFICATION PARAMETER	STANDARD TECHNICAL DETAILS
Cartridge Capacity Options	Available in 3 / 5 / 9 Cartridges configuration per housing
Supported Element Lengths	20 inch, 30 inch, 40 inch configurations
Maximum Operating Temperature	Up to 50°C
Housing Construction Material	Premium Unplasticized Polyvinyl Chloride (UPVC)
Locking & Swing Bolt Mechanism	Heavy-duty SS304 Stainless Steel assemblies
Seal Material Options	High-integrity Silicone O-Ring
Inlet / Outlet Connection Types	2-inch / 3-inch sizing options, available in Union or Flange

# ENORME™ – UPVC Cartridge Filter Housing



Flow Diagram

MODEL	SIZE	CARTRIDGE PCS	CARTRIDGE SIZE	IN/OUT	MAX PRESSURE
ENORME™ 10" X 5 MCF	ENORME™ 10" X 3 MCF	Ø225-H465	10"	FLG: DNS0/ANSI2"	105 PSI
ENORME™ 20" X 5 MCF	ENORME™ 20" X 3 MCF	Ø225-H715	20"		
ENORME™ 30" X 5 MCF	ENORME™ 30" X 3 MCF	Ø225-H965	30"		
ENORME™ 40" X 5 MCF	ENORME™ 40" X 3 MCF	Ø225-H1215	40"		



Flow Diagram

MODEL	SIZE (MM)	CARTRIDGE PCS	CARTRIDGE SIZE	IN/OUT (MM)	DRAINER (MM)	MAX PRESSURE
ENORME™ 20" X 9 MCF	Ø315-H745	9	20"	DNS0/ ANSI 3"	DIN1/2" or ANSI1/2"	105 PSI
ENORME™ 30" X 9 MCF	Ø315-H995		30"			
ENORME™ 40" X 9 MCF	Ø315-H1245		40"			

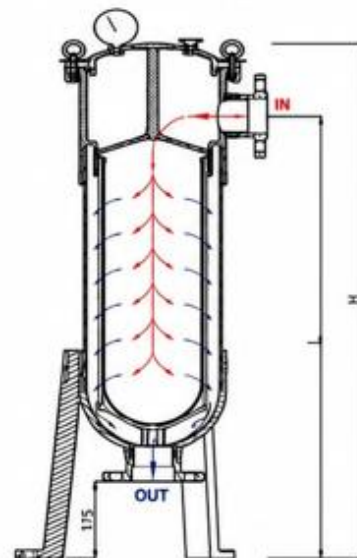
# PRODUCT RANGE & DIMENSIONAL CHARTS

## ENORME™ UPVC Cartridge Filter Housing Dimensional Data

MODEL REFERENCE	SIZE CODE (MM)	QTY (PCS)	SIZE	IN/OUT CONN.	MAX PRESSURE
ENORME™ 10" x 3 MCF / 5 MCF	0225-H465	3 / 5	10"	FLG DN50 / ANSI 2"	105 PSI
ENORME™ 20" x 3 MCF / 5 MCF	0225-H715	3 / 5	20"	FLG DN50 / ANSI 2"	105 PSI
ENORME™ 30" x 3 MCF / 5 MCF	0225-H965	3 / 5	30"	FLG DN50 / ANSI 2"	105 PSI
ENORME™ 40" x 3 MCF / 5 MCF	0225-H1215	3 / 5	40"	FLG DN50 / ANSI 2"	105 PSI
ENORME™ 20" x 9 MCF	0315-H745	9	20"	DN50 / ANSI 3"	105 PSI
ENORME™ 30" x 9 MCF	0315-H995	9	30"	DN50 / ANSI 3"	105 PSI
ENORME™ 40" x 9 MCF	0315-H1245	9	40"	DN50 / ANSI 3"	105 PSI

## ENORME UPVC BAG FILTER ASSEMBLY

### ENORME™ – UPVC Bag Filter Housing



Flow Diagram

Designed meticulously for heavy-flow commercial and industrial liquid processing where high dirt-holding capacity and reliable chemical compatibility are absolutely vital.

SPECIFICATION PARAMETER	ENORME™ 7X16 BF	ENORME™ 7X32 BF
Bag Dimensions Supported	Ø 7" x 16" Length	Ø 7" x 32" Length
Volumetric Flow Rate Range	7,000 – 18,000 LPH	9,000 – 32,000 LPH
Inlet / Outlet Sizing	Flange DN50 / ANSI 2-Inch	Flange DN50 / ANSI 2-Inch
Overall Housing Height (H)	665 mm	1050 mm
Maximum Rated Pressure	105 PSI (6 bar)	105 PSI (6 bar)
Hydrostatic Test Pressure	Up to 8 bar	Up to 8 bar
Max Working Temperature	50° C	50° C
Airvent & Gauge Connections	1/4" BSP & 7kg 1/4" BSP	1/4" BSP & 7kg 1/4" BSP
Material of Construction (MOC)	UPVC Housing / SS304 Nut & Bolt Sets	UPVC Housing / SS304 Nut & Bolt Sets



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