



# Meet NOVION™ Product Family

Engineered Flow.  
Optimized Performance.  
Process Confidence.



# NOVION PRIME

NOVION PRIME is our foundational pleated solution – engineered with precision V-pleat geometry to maximize effective surface area in a compact footprint.

## KEY FEATURES

- Optimized pleat spacing for uniform flow distribution
- Reduced pressure drop
- Improved solids capture efficiency
- Economical performance solution



Pre-filtration Systems



Industrial Water



Chemical Intermediates



General Process Fluids

# NOVION ULTRA

NOVION ULTRA is engineered specifically for demanding process fluids including:



- Amine Systems
- Glycol Dehydration Units
- Solvent Extraction Processes
- Hydrocarbon Processing

Its large diameter, out-to-in flow design enhances structural stability while maximizing contaminant loading.

## Why It Matters in Oil & Gas & Chemical Processing?

- Handles variable viscosity fluids
- Withstands harsh chemical exposure
- Improves amine system cleanliness
- Protects downstream equipment

## TECHNICAL HIGHLIGHTS

High Collapse Strength

Advanced Pleat Pack Stabilization

Optimized for High Solids Loading

Reduced Changeout Frequency

## PRIME

Reliable.  
Efficient.  
Scalable.

Entry-Level | Small Diameter | V-Pleat Technology | Flagship Platform

## MxFlo

Engineered for the Most Demanding Hydrocarbon Processes.

Engineered Platform Flagship | Custom High Flow | Critical Hydrocarbon Applications

## ULTRA

Built for Critical Fluids

Large Diameter | Out-to-In Flow | Process Fluid Specialist

NOVION MaxFlo represents the pinnacle of FiltraDyn's pleated filtration engineering.

Designed as our most advanced product family, MaxFlo is purpose-built for **complex, high-risk hydrocarbon processing environments** where standard filtration solutions are not enough.

This is not an off-the-shelf cartridge. This is **custom-engineered process protection**.

**Designed For Critical Energy Infrastructure.** NOVION MaxFlo is targeted toward:

- LNG (Liquefied Natural Gas) facilities
- NGL fractionation plants
- Refineries
- Petrochemical complexes
- Gas processing plants
- High-value hydrocarbon process streams

## STRATEGIC VALUE TO HYDROCARBON PROCESSING PLANTS



Absolute Reliability



High Collapse Strength



Consistent Performance under Variable Flow and Pressure



Compatibility with Aggressive Hydrocarbons and Solvents

## Why MaxFlo is Different?

Unlike commodity high-flow cartridges, NOVION MaxFlo:



- Is Engineered Per Application
- Supports Critical Hydrocarbon Purity Standards
- Reduces Unplanned Shutdown Risk
- Minimizes Maintenance Interventions
- Optimizes Total Lifecycle Cost

In LNG, NGL, refining, and petrochemical plants, filtration failure is not just a maintenance issue – it is an operational risk.

MaxFlo is designed to mitigate that risk.

## OPERATIONAL BENEFITS

- Reduced differential pressure buildup
- Longer run times between changeouts
- Lower housing count vs. small diameter systems
- Increased process reliability
- Improved downstream equipment protection

## BUSINESS IMPACTS

- Reduced downtime
- Increased plant uptime
- Lower maintenance labor cost
- Higher process stability



Engineered Solutions.  
Dynamic Performance.

## NOVION™ Pleated Filtration Platform

At FiltraDyn, the NOVION™ platform represents the next generation of pleated cartridge filtration – precision engineered for demanding industrial and process environments.

From compact V-pleat configurations to large-diameter high-flow systems, NOVION delivers:

- Higher Dirt Holding Capacity
- Lower Differential Pressure
- Extended Service Life
- Process Stability Under Critical Conditions

Designed for Oil & Gas, Chemical Processing, Industrial Fluids, and Water Treatment.

### Why NOVION™?

Industrial filtration is not just about particle removal – it's about protecting process integrity, reducing downtime, and maximizing operational efficiency.

NOVION™ was developed to address three core industry challenges: Increasing fluid contamination variability, Higher flow rate demands, and Pressure to reduce operating costs.

Every NOVION cartridge is built on a platform philosophy – Surface Engineering, Media Science, and Flow Optimization – delivering a pleated filtration system that balances surface area, flow geometry, and structural strength to outperform conventional pleated elements.

## CONTACT US



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	PRIME	ULTRA	MaxFlo
DIAMETER	Small	Large	Large (Engineered High-Flow Geometry)
FLOW DIRECTION	Standard	Out-to-In	In-to-Out
TARGET FLUIDS	General Industrial Fluids	Amine, Glycol, Solvents	Hydrocarbons, LNG, NGL, Refinery & Petrochemical Streams
COST FOCUS	Economical Performance	Performance Optimization	Lifecycle Optimization & Risk Reduction
INDUSTRY FOCUS	Industrial & Water	Oil & Gas, Chemical	LNG, NGL, Refining, Petrochemical
TYPICAL APPLICATION OBJECTIVE	Pre-Filtration & System Protection	Process Cleanliness & Equipment Protection	Critical Asset Protection & Uptime Maximization