



STYRE



STYRE
Max-Flow Purification Systems

Cartridge Housings

Design Features

STYRE FRP housings are designed for a variety of industry applications. We offer side and end connection models and we also offer custom designed housing designed to customer's engineering specifications.

Advantages

- Easy installation and maintenance
- FRP housing designed for corrosion resistant
- High chemical resistance
- Designed for compact use and small footprint
- Modular Design

Competitive Investment

STYRE systems utilize performance engineered FRP housings designed for corrosion resistant that potentially reduce your capital start-up costs over typical steel vessels by up to 50%.

Low Maintenance Costs

Advanced pleated filter material design deliver efficiency and performance. The increased surface of the media provides longer element life, which means fewer change outs. Reduced filter consumption results in minimized disposal, operator exposure and downtime.

Ease Of Use

We've eliminated the need for heavy equipment, such as cranes to open vessel doors or remove cumbersome baskets. Access to the filtration elements requires virtually no tools.

- Easy-to-remove, tool-less retaining ring
- Convenient handle on the cover plate
- Ergonomic handle on the element for easy entry and exit
- Guided tabs for quick element access and precision alignment

Compact Design Than Other Competitors

Offers reduced system footprint, up to 50% smaller than competitively sized housings.

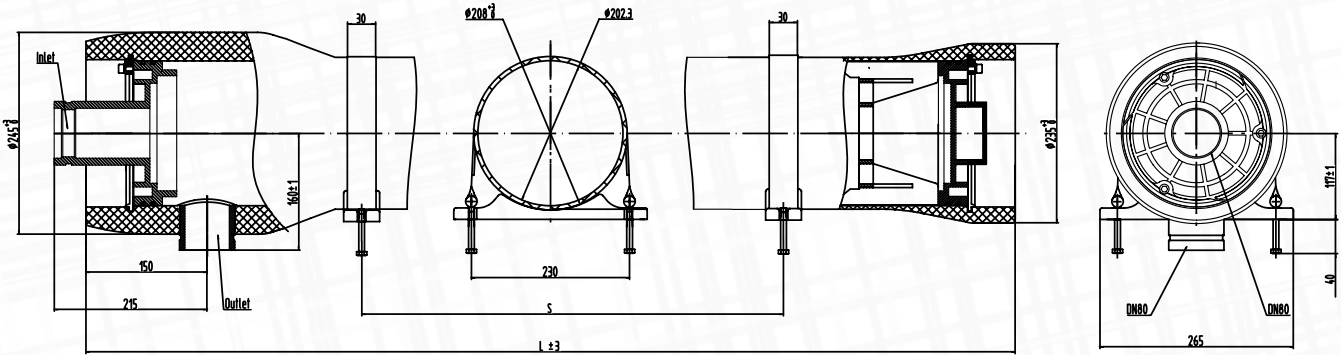
Applications

- Pretreatment
- RO Prefiltration
- Seawater desalination
- Condensate water filtration
- Hot water recovery in power generation
- API, Solvents, and water filtration in Biopharm market
- Bottled water filtration
- High fructose, edible oil, soft drinks and milk
- Paints and coatings
- Petrochemical and Refineries
- Microelectronics, Film, Fiber and resin

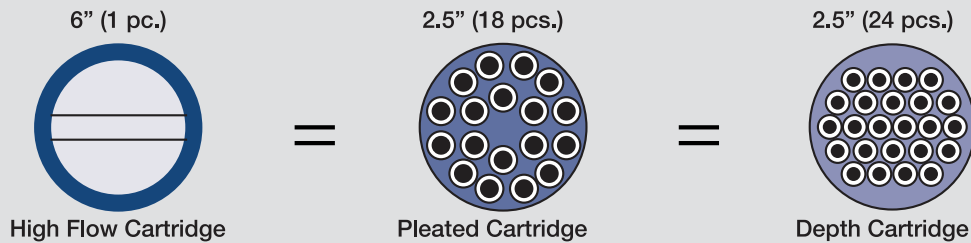


General Information

Ref.	Part Number	L (mm)	S (mm)	Approx Assembly weight (kg)
40" E	T80-150E-40	1300	800	27



MODEL	CONNECTION	MAX. PRESSURE	FILTER LENGTH	AVERAGE FLOW RATE
ST-80-150S-40 Sideport	3" coupling	150 Psi / 10 Bar	40"	30-60 m ³ /hour



Industrial



Chemical & Petrochemical



Biotech & Pharmaceutical



Food & Agriculture

Make the Right Choice

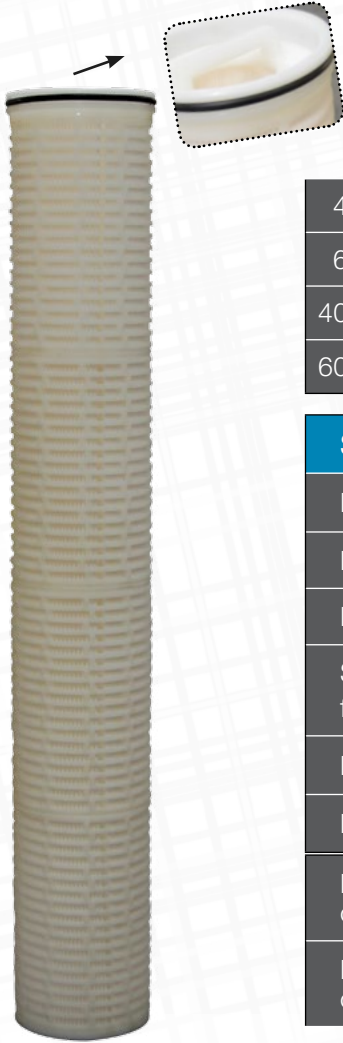
Understanding your water application and the importance of using health, chemical free water is the first step towards healthier living. Finding the right water filtration systems for your application is the next step.

The STYRE Cartridge Filter Advantage

Designed to provide optimum filtration while significantly reducing operating costs and offering overall energy and cost savings.

- Increased energy savings
- Significantly lower installation costs
- Lower operating costs
- High loading capacity
- Ease of installation and maintenance
- Longer life span

High Flow Cartridge System

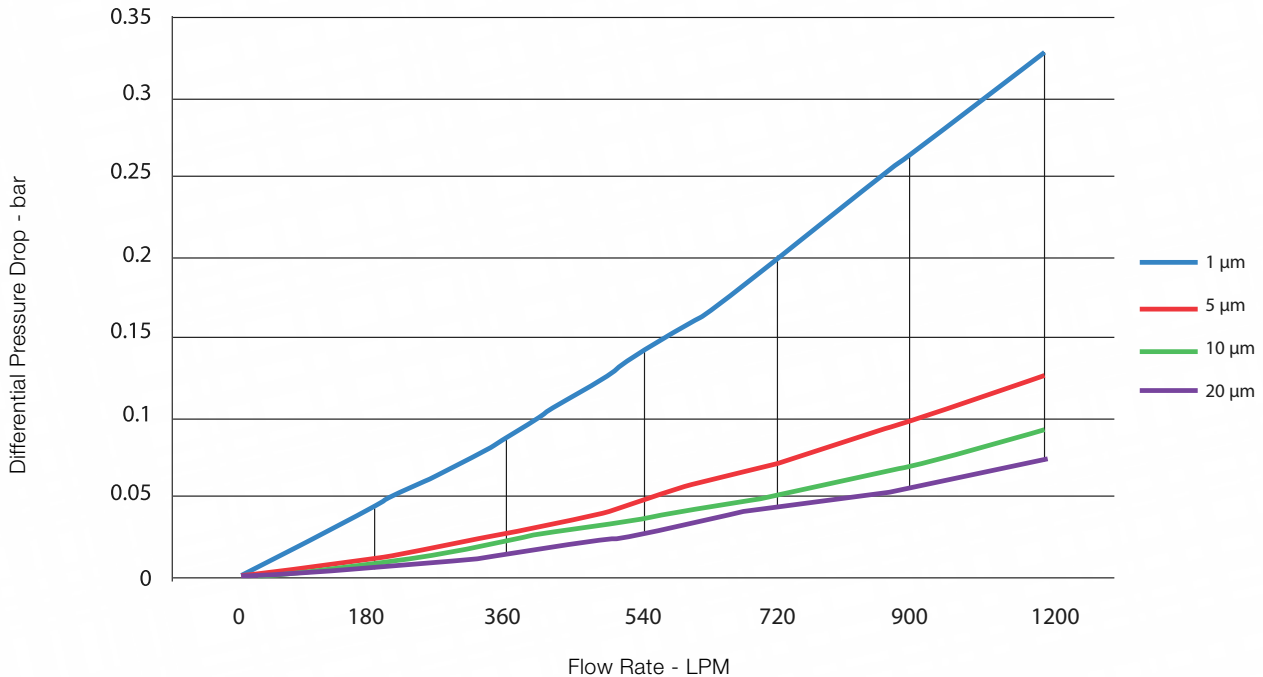


	EFFECTIVE MEMBRANE AREA (m ²)	FLOW RATE		Length of Cartridge (mm)	Structure of Cartridge	Filtration Efficiency
		Max flow rate (m ³ /hour)	Design flow rate (m ³ /hour)			
40" HFP	7	60	30-50	1016	2-katmanlı yapı	90 %
60" HFP	10,5	90	45-75	1024		
40" HFP-H	4,5	70	35-55	1016	6-katmanlı yapı	99,10 %
60" HFP-H	6,8	105	50-80	1024		

SYSTEM SPECIFICATION

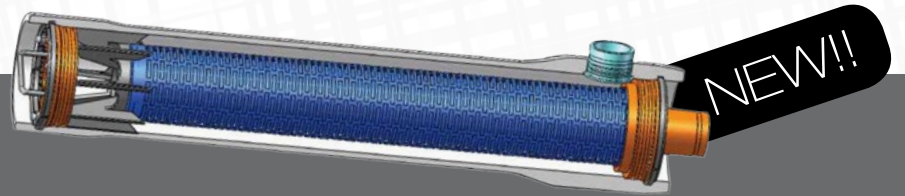
Element Type	Styre high-flow filter system
Micron Ratings	01, 05, 10 & 20 Micron Nominal
Diameter of Cartridge	152 mm
Suggested Pressure Drop for Element Replacement	1.5 bar
Max. Pressure Drop	3.4 bar
Max. Temperature	80°C
Flow Direction of Filter System	End in, side out End in, end out
Flow Direction of Filter Cartridge	Inside -Out

HFP SERIES PRESSURE DROP vs FLOWRATE



Cartridge Filter and Housing Construction Material

MATERIALS		
HOUSING	Shell	Fiberglass
	End cap	ABS
	End cap handle	Stainless steel 304
	Inlet	ABS
	End port outlet	ABS
	Side port outlet	Fiberglass
	Locking segment	Stainless steel 304
	Saddle	Rubber
CARTRIDGE	Media(membrane)	Polypropylene
	Supporting layer	Polypropylene
	Seal	EPDM or NBR
	Inner frame	Polypropylene
	Lifting rug	Polypropylene
	Flow diverter	Polypropylene
	Case	Polypropylene



STYRE Side-Connected Model

The STYRE system is designed for filtration system technologies. We respond to market needs and requirements by paying attention to critical applications, cartridge filter care and protection. It offers high quality, while offering lower capital investment and operating costs in a small footprint. Our innovative proprietary design allows for easy and fast maintenance for minimum downtime that ensure your systems run continuously.