

Ink-Jet Select - IKS

Dual Density Polypropylene for Ink-jet Inks

▪ Gel Removal

▪ Dye Based Ink-jet Inks

▪ Pigment Based Ink-jet Inks

▪ High Viscosity Ink-jet Inks

The **Ink-Jet Select** filter is another example of Strainrite's continued tradition of providing industry leading filtration solutions. **Ink-Jet Select** filters feature a graded pore density to maximize filter life and performance. IKS filters incorporate our proprietary melt blown, micro- and nano-fiber technology to achieve industry leading performance for both pigment and dye based ink-jet inks.

The **Ink-Jet Select** filters are manufactured without binders or resins, in our class 10,000 clean room resulting in an extremely clean non-fiber shedding filter. Due to our utilization of the unique graded pore density depth media this element is outstanding for removing gels, compared to traditional pleated polypropylene filters.

Features & Benefits

Ink-Jet Select IKS

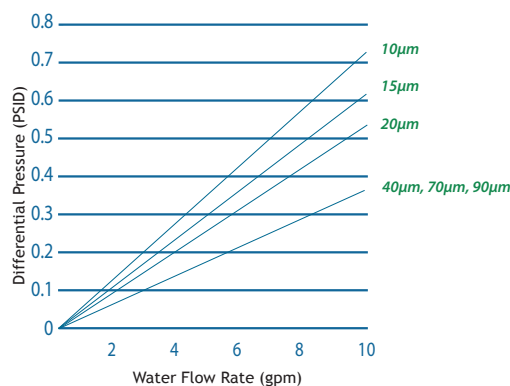
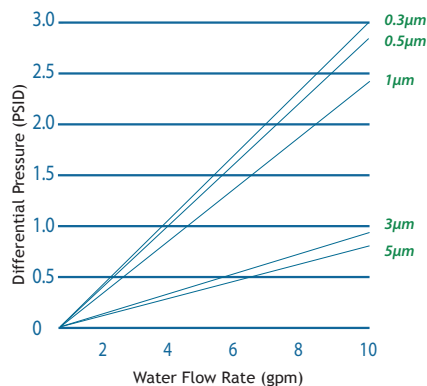
- Absolute-rated media provides reliable, consistent and repeatable filtration results
- Graded pore density pleat design to optimize service life, fewer change outs and reduced operating costs per cartridge
- Lower pressure drops, which yield higher flow rates and reduced processing time
- 100% Polypropylene construction offers a wide range of chemical compatibility
- Thermally bonded construction ensures cleaner filtrate while minimizing extractables



IKS Efficiency

Cartridge	Beta 100
IKS 0.3	0.3 μ m
IKS 0.5	0.5 μ m
IKS 1.0	1.0 μ m
IKS 3	3.0 μ m
IKS 5	5.0 μ m
IKS 10	10.0 μ m
IKS 15	15.0 μ m
IKS 20	20.0 μ m
IKS 40	40.0 μ m
IKS 70	70.0 μ m
IKS 90	90.0 μ m

Performance Characteristics



Specifications

Retention Rating

0.3, 0.5, 1, 3, 5, 10, 15, 20, 40, 70, 90

Maximum Differential Pressure

Forward: 75 psid (5.1 bar) @ 75°F (24°C)
40 psid (2.8 bar) @ 180°F (82°C)

Maximum Operating Temperature

180°F (82°C) Continuous Duty

Toxicity

All components meet all relevant
USP XXII Class VI test for biological safety
and FDA requirements for contact with
food and beverage per 21CFR177.1520

Packaging Economy

Bulk packaging in case quantities
to reduce material disposal:

5 inch	48 per carton
10 inch	24 per carton
20 inch	12 per carton
30 inch	12 per carton
40 inch	9 per carton

Materials of Construction

Filter Media

Polypropylene Micro/Nano-fiber Composite

End Caps

Polypropylene

Pleat Support Material

Polypropylene

Cage/Core

Polypropylene

Seals

Buna N
Fluorocarbon
EPDM
Silicone
PTFE
FEP Encapsulated Fluorocarbon
FEP Encapsulated Silicone

Sealing

Thermal Bond

Dimensions

Ink-Jet Select IKS

Outside Diameter

2.68" (6.81cm)

Lengths

5" (12.7cm)
10" (25.4cm)
20" (50.8cm)
30" (76.2cm)
40" (102cm)

Ordering Information

