

# PVDF, Polypropylene, Nylon & HDPE Barb Fittings

Incorporating Silver Ion Technology



Antimicrobially Protected  
Fittings Technology

# Eldon James Antimicrobially Protected AG Fittings



Eldon James Flexelene™ Silver tubing incorporates AgION™ antimicrobial technology to protect tubing against the build up of bio-film. Bio-films can form on surfaces, creating a continuous layer of undesirable polymer slime. The most effective way to prevent biofilm formation is to inhibit initial colonization and proliferation of bacteria. This is the primary mechanism by which AgION™ Antimicrobial combats biofilms.



**Bio efficacy –** Testing of Eldon James Flexelene™ Silver tubing shows that after a flow through of 40,000 liters of tap water, the tubing still provides up to a 6 log reduction in bacteria on the contact surface area of the tubing after inoculation with test bacteria. (99.74% - 99.9999% reduction over a series of 9 test intervals).

**Safety –** The average silver content in tap water run through Flexelene™ Silver tubing was well below 1µg/liter. This means that a person would have to consume nearly 1,000 liters of water in a day, that has flowed through the tubing, to approach the EPA reference dose (adult) 5µg/kg of body weight per day.

## Eldon James Antimicrobially Protected AG fittings

Offer additional protection to a system's flow path. These fittings use the same "built in" silver ion antimicrobial technology as our Flexelene™ Silver tubing.

Kynar®, HDPE, Polypropylene, Nylon AG Fittings



## Antimicrobially Protected AG Fittings and Flexelene™ Silver Tubing

Eldon James antimicrobially protected "single barbed" fittings incorporate natural properties of silver which inhibit the growth of a broad range of microorganisms. Eldon James antimicrobially protected components are designed with AgION™, an EPA recognized silver ion technology, built into the product. As a result, flow path areas within Flexelene™ Silver tubing and all surface areas of Eldon James AG fittings are protected against buildup of bacteria, biofilm, mould, mildew, and fungi that can: degrade product quality, affect taste, and cause odors.

Eldon James AG Fittings deliver "built in" protection to prevent the growth of bacteria, fungi, mold and mildew on the surface of the fittings. Eldon James antimicrobially protected components are not designed to protect the consumer through sanitization, disinfection or elimination of bacteria in the products that flow through them.



# Equal Leg Couplers



ISO 9001 Antimicrobially Protected

**Natural Kynar (PVDF)**  
Ultimate Chemical Resistance

Size	Part Number
1/16"	CO-1 AGNK
1/8"	CO-2 AGNK
3/16"	CO-3 AGNK
1/4"	CO-4 AGNK
5/16"	CO-5 AGNK
3/8"	CO-6 AGNK
1/2"	CO-8 AGNK
5/8"	CO-10 AGNK
3/4"	CO-12 AGNK
1"	CO-16 AGNK

**Natural Polypropylene**  
Good Chemical Resistance

Size	Part Number
1/16"	CO -1 AGNP
1/8"	CO-2 AGNP
3/16"	CO-3 AGNP
1/4"	CO-4 AGNP
5/16"	CO-5 AGNP
3/8"	CO-6 AGNP
1/2"	CO-8 AGNP
5/8"	CO-10 AGNP
3/4"	CO-12 AGNP
1"	CO-16 AGNP

**Natural Nylon**  
Good Tensile Strength

Size	Part Number
1/16"	CO-1 AGNN
1/8"	CO-2 AGNN
3/16"	CO-3 AGNN
1/4"	CO-4 AGNN
5/16"	CO-5 AGNN
3/8"	CO-6 AGNN
1/2"	CO-8 AGNN
5/8"	CO-10 AGNN
3/4"	CO-12 AGNN
1"	CO-16 AGNN

**Natural HDPE**  
Excellent Chemical Resistance

Size	Part Number
1/16"	CO-1 AGHDPE
1/8"	CO-2 AGHDPE
3/16"	CO-3 AGHDPE
1/4"	CO-4 AGHDPE
5/16"	CO-5 AGHDPE
3/8"	CO-6 AGHDPE
1/2"	CO-8 AGHDPE
5/8"	CO-10 AGHDPE
3/4"	CO-12 AGHDPE
1"	CO-16 AGHDPE

Polypropylene fittings are not NSF certified



# Reduction Couplers



ISO 9001 Antimicrobially Protected

**Natural Kynar (PVDF)**  
Ultimate Chemical Resistance

Size	Part Number
1/8" x 1/16"	C2-1 AGNK
1/4" x 1/8"	C4-2 AGNK
3/8" x 1/4"	C6-4 AGNK
1/2" x 1/4"	C8-4 AGNK
5/8" x 1/2"	C10-8 AGNK
3/4" x 1/2"	C12-8 AGNK
1" x 1/2"	C16-8 AGNK

**Natural Polypropylene**  
Good Chemical Resistance

Size	Part Number
1/8" x 1/16"	C2-1 AGNP
1/4" x 1/8"	C4-2 AGNP
3/8" x 1/4"	C6-4 AGNP
1/2" x 1/4"	C8-4 AGNP
5/8" x 1/2"	C10-8 AGNP
3/4" x 1/2"	C12-8 AGNP
1" x 1/2"	C16-8 AGNP

**Natural Nylon**  
Good Tensile Strength

Size	Part Number
1/8" x 1/16"	C2-1 AGNN
1/4" x 1/8"	C4-2 AGNN
3/8" x 1/4"	C6-4 AGNN
1/2" x 1/4"	C8-4 AGNN
5/8" x 1/2"	C10-8 AGNN
3/4" x 1/2"	C12-8 AGNN
1" x 1/2"	C16-8 AGNN

**Natural HDPE**  
Excellent Chemical Resistance

Size	Part Number
1/8" x 1/16"	C2-1 AGHDPE
1/4" x 1/8"	C4-2 AGHDPE
3/8" x 1/4"	C6-4 AGHDPE
1/2" x 1/4"	C8-4 AGHDPE
5/8" x 1/2"	C10-8 AGHDPE
3/4" x 1/2"	C12-8 AGHDPE
1" x 1/2"	C16-8 AGHDPE

Polypropylene fittings are not NSF certified



# Y Connectors



ISO 9001 Antimicrobially Protected

**Natural Kynar (PVDF)**  
Ultimate Chemical Resistance

Size	Part Number
1/8"	Y0-2 AGNK
3/16"	Y0-3 AGNK
1/4"	Y0-4 AGNK
3/8"	Y0-6 AGNK
1/2"	Y0-8 AGNK

**Natural Polypropylene**  
Good Chemical Resistance

Size	Part Number
1/8"	Y0-2 AGNP
3/16"	Y0-3 AGNP
1/4"	Y0-4 AGNP
3/8"	Y0-6 AGNP
1/2"	Y0-8 AGNP

**Natural Nylon**  
Good Tensile Strength

Size	Part Number
1/8"	Y0-2 AGNN
3/16"	Y0-3 AGNN
1/4"	Y0-4 AGNN
3/8"	Y0-6 AGNN
1/2"	Y0-8 AGNN

**Natural HDPE**  
Excellent Chemical Resistance

Size	Part Number
1/8"	Y0-2 AGHDPE
3/16"	Y0-3 AGHDPE
1/4"	Y0-4 AGHDPE
3/8"	Y0-6 AGHDPE
1/2"	Y0-8 AGHDPE

Polypropylene fittings are not NSF certified



# Equal Barbed Elbows



ISO 9001 Antimicrobially Protected

**Natural Kynar (PVDF)**  
Ultimate Chemical Resistance

**Natural Polypropylene**  
Good Chemical Resistance

**Natural Nylon**  
Good Tensile Strength

**Natural HDPE**  
Excellent Chemical Resistance

Size	Part Number
1/8"	LO-2 AGNK
3/16"	LO-3 AGNK
1/4"	LO-4 AGNK
5/16"	LO-5 AGNK
3/8"	LO-6 AGNK
1/2"	LO-8 AGNK
5/8"	LO-10 AGNK
3/4"	LO-12 AGNK
1"	LO-16 AGNK

Size	Part Number
1/8"	LO-2 AGNP
3/16"	LO-3 AGNP
1/4"	LO-4 AGNP
5/16"	LO-5 AGNP
3/8"	LO-6 AGNP
1/2"	LO-8 AGNP
5/8"	LO-10 AGNP
3/4"	LO-12 AGNP
1"	LO-16 AGNP

Size	Part Number
1/8"	LO-2 AGNN
3/16"	LO-3 AGNN
1/4"	LO-4 AGNN
5/16"	LO-5 AGNN
3/8"	LO-6 AGNN
1/2"	LO-8 AGNN
5/8"	LO-10 AGNN
3/4"	LO-12 AGNN
1"	LO-16 AGNN

Size	Part Number
1/8"	LO-2 AGHDPE
3/16"	LO-3 AGHDPE
1/4"	LO-4 AGHDPE
5/16"	LO-5 AGHDPE
3/8"	LO-6 AGHDPE
1/2"	LO-8 AGHDPE
5/8"	LO-10 AGHDPE
3/4"	LO-12 AGHDPE
1"	LO-16 AGHDPE

Polypropylene fittings are not NSF certified



# Equal Barb Tees



ISO 9001 Antimicrobially Protected

**Natural Kynar (PVDF)**  
Ultimate Chemical Resistance

**Natural Polypropylene**  
Good Chemical Resistance

**Natural Nylon**  
Good Tensile Strength

**Natural HDPE**  
Excellent Chemical Resistance

Size	Part Number
1/8"	TO-2 AGNK
3/16"	TO-3 AGNK
1/4"	TO-4 AGNK
5/16"	TO-5 AGNK
3/8"	TO-6 AGNK
1/2"	TO-8 AGNK
5/8"	TO-10 AGNK
3/4"	TO-12 AGNK
1"	LO-16 AGNK

Size	Part Number
1/8"	TO-2 AGNP
3/16"	TO-3 AGNP
1/4"	TO-4 AGNP
5/16"	TO-5 AGNP
3/8"	TO-6 AGNP
1/2"	TO-8 AGNP
5/8"	TO-10 AGNP
3/4"	TO-12 AGNP
1"	TO-16 AGNP

Size	Part Number
1/8"	TO-2 AGNN
3/16"	TO-3 AGNN
1/4"	TO-4 AGNN
5/16"	TO-5 AGNN
3/8"	TO-6 AGNN
1/2"	TO-8 AGNN
5/8"	TO-10 AGNN
3/4"	TO-12 AGNN
1"	TO-16 AGNN

Size	Part Number
1/8"	TO-2 AGHDPE
3/16"	TO-3 AGHDPE
1/4"	TO-4 AGHDPE
5/16"	TO-5 AGHDPE
3/8"	TO-6 AGHDPE
1/2"	TO-8 AGHDPE
5/8"	TO-10 AGHDPE
3/4"	TO-12 AGHDPE
1"	TO-16 AGHDPE

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# Thread To Barb Adaptors



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**Natural Kynar (PVDF)**  
Ultimate Chemical Resistance

Size	Part Number
1/8" NPT x 1/8"	A2-2 AGNK
1/4" NPT x 1/4"	A4-4 AGNK
3/8" NPT x 3/8"	A6-6 AGNK
1/2" NPT x 1/2"	A8-8 AGNK
3/4" NPT x 3/4"	A12-12 AGNK
1" NPT x 1"	A16-16 AGNK

**Natural Polypropylene**  
Good Chemical Resistance

Size	Part Number
1/8" NPT x 1/8"	A2-2 AGNP
1/4" NPT x 1/4"	A4-4 AGNP
3/8" NPT x 3/8"	A6-6 AGNP
1/2" NPT x 1/2"	A8-8 AGNP
3/4" NPT x 3/4"	A12-12 AGNP
1" NPT x 1"	A16-16 AGNP

**Natural Nylon**  
Good Tensile Strength

Size	Part Number
1/8" NPT x 1/8"	A2-2 AGNN
1/4" NPT x 1/4"	A4-4 AGNN
3/8" NPT x 3/8"	A6-6 AGNN
1/2" NPT x 1/2"	A8-8 AGNN
3/4" NPT x 3/4"	A12-12 AGNN
1" NPT x 1"	A16-16 AGNN

**Natural HDPE**  
Excellent Chemical Resistance

Size	Part Number
1/8" NPT x 1/8"	A2-2 AGHDFE
1/4" NPT x 1/4"	A4-4 AGHDFE
3/8" NPT x 3/8"	A6-6 AGHDFE
1/2" NPT x 1/2"	A8-8 AGHDFE
3/4" NPT x 3/4"	A12-12 AGHDFE
1" NPT x 1"	A16-16 AGHDFE

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# Threaded Elbows



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**Natural Kynar (PVDF)**  
Ultimate Chemical Resistance

Size	Part Number
1/8" NPT x 1/8"	L2-2 AGNK
1/4" NPT x 1/4"	L4-4 AGNK
3/8" NPT x 3/8"	L6-6 AGNK
1/2" NPT x 1/2"	L8-8 AGNK
3/4" NPT x 3/4"	L12-12 AGNK
1" NPT x 1"	L16-16 AGNK

**Natural Polypropylene**  
Good Chemical Resistance

Size	Part Number
1/8" NPT x 1/8"	L2-2 AGNP
1/4" NPT x 1/4"	L4-4 AGNP
3/8" NPT x 3/8"	L6-6 AGNP
1/2" NPT x 1/2"	L8-8 AGNP
3/4" NPT x 3/4"	L12-12 AGNP
1" NPT x 1"	L16-16 AGNP

**Natural Nylon**  
Good Tensile Strength

Size	Part Number
1/8" NPT x 1/8"	L2-2 AGNN
1/4" NPT x 1/4"	L4-4 AGNN
3/8" NPT x 3/8"	L6-6 AGNN
1/2" NPT x 1/2"	L8-8 AGNN
3/4" NPT x 3/4"	L12-12 AGNN
1" NPT x 1"	L16-16 AGNN

**Natural HDPE**  
Excellent Chemical Resistance

Size	Part Number
1/8" NPT x 1/8"	L2-2 AGHDFE
1/4" NPT x 1/4"	L4-4 AGHDFE
3/8" NPT x 3/8"	L6-6 AGHDFE
1/2" NPT x 1/2"	L8-8 AGHDFE
3/4" NPT x 3/4"	L12-12 AGHDFE
1" NPT x 1"	L16-16 AGHDFE

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# Threaded Tees



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**Natural Kynar (PVDF)**  
Ultimate Chemical Resistance

Size	Part Number
1/8" NPT x 1/4"	T2-4 AGNK
1/4" NPT x 1/4"	T4-4 AGNK
3/8" NPT x 3/8"	T6-6 AGNK
1/2" NPT x 1/2"	T8-8 AGNK
3/4" NPT x 3/4"	T12-12 AGNK
1" NPT x 1"	T16-16 AGNK

**Natural Polypropylene**  
Good Chemical Resistance

Size	Part Number
1/8" NPT x 1/4"	T2-4 AGNP
1/4" NPT x 1/4"	T4-4 AGNP
3/8" NPT x 3/8"	T6-6 AGNP
1/2" NPT x 1/2"	T8-8 AGNP
3/4" NPT x 3/4"	T12-12 AGNP
1" NPT x 1"	T16-16 AGNP

**Natural Nylon**  
Good Tensile Strength

Size	Part Number
1/8" NPT x 1/4"	T2-4 AGNN
1/4" NPT x 1/4"	T4-4 AGNN
3/8" NPT x 3/8"	T6-6 AGNN
1/2" NPT x 1/2"	T8-8 AGNN
3/4" NPT x 3/4"	T12-12 AGNN
1" NPT x 1"	T16-16 AGNN

**Natural HDPE**  
Excellent Chemical Resistance

Size	Part Number
1/8" NPT x 1/4"	T2-4 AGHDFE
1/4" NPT x 1/4"	T4-4 AGHDFE
3/8" NPT x 3/8"	T6-6 AGHDFE
1/2" NPT x 1/2"	T8-8 AGHDFE
3/4" NPT x 3/4"	T12-12 AGHDFE
1" NPT x 1"	T16-16 AGHDFE

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