



**American Filter  
Manufacturing**

# QUAD SERIES MELT-BLOWN CARTRIDGES

## PRODUCT FEATURES

### QUAD-PRO

- 90% Efficiency at designated microns
- FDA Title 21 Compliant
- Great Value
- No Glue or Binders
- High Dirt Loading
- Low Pressure Drop

### QUAD-DELUXE

- 95% Efficiency at designated microns
- FDA Title 21 Compliant
- Integrated 4 Stage Depth Loading
- High Dirt Loading
- Low Pressure Drop

### QUAD-RO

- 90% Efficiency at designated microns
- High-End Membrane Protection when it is critical
- FDA Title 21 Compliant
- Integrated 4 Stage Depth Loading
- Cored Center for Filter Stability
- High Dirt Loading
- No Fiber Migration

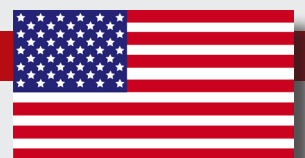
### QUAD-ELITE

- 99% Efficiency at designated microns
- FDA Title 21 Compliant
- Integrated 4 Stage Depth Loading
- Cored Center for Filter Stability
- High Dirt Loading



**PROUDLY MADE IN THE USA**

**[www.afm.us](http://www.afm.us)**





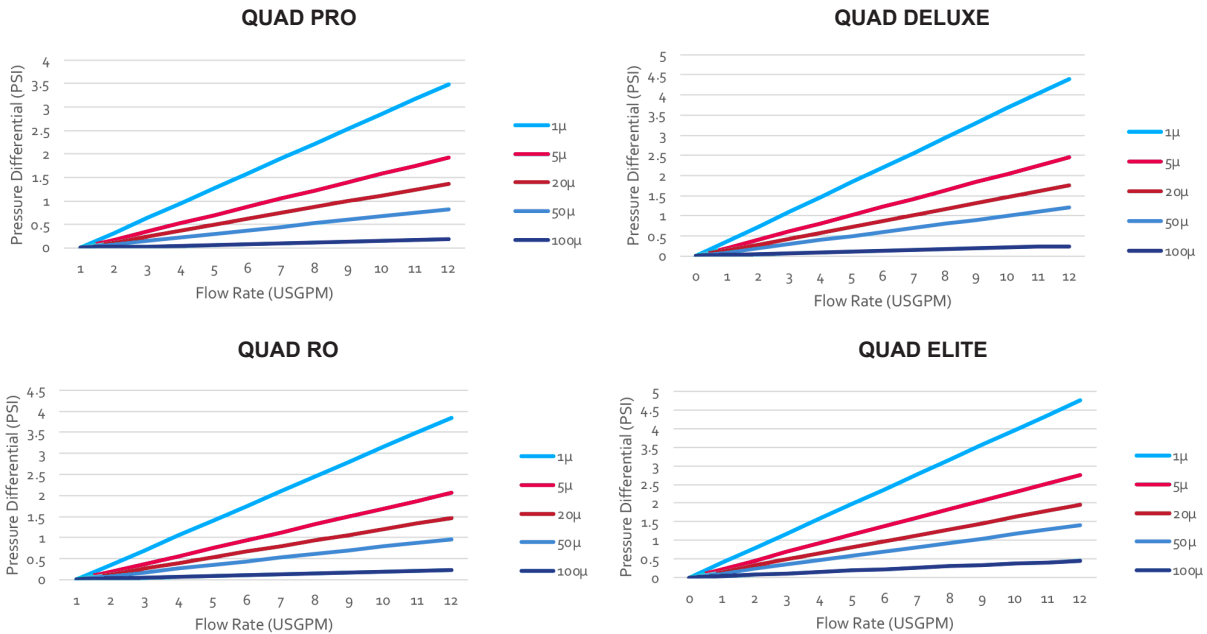
Zone 1  
Filter Media  
Zone 2  
Prefilter  
Zone 3  
Dirt Loading  
Zone 4  
Dirt Loading/ Open Fiber Finish

The Quad Series is offered with or without a heavy duty polypropylene core.



This image shows the Quad Series cut away layer by layer. The outermost layers are made of larger diameter fibers to allow larger particles to flow through, while the inner most layers trap the fine particles maximizing the life of the filter.

## FLOW RATES VS DIFFERENTIAL PRESSURE



This chart exemplifies normal flow rate for a cartridge length of 10" with water at an ambient temperature as the test fluid. Cartridge length does not cause change in differential pressure, but increasing flow across the housing does.

## ADVANTAGES

- Quad Zone technology allow the formation of 4 separate filtration zones within the depth of the filter cartridge.
- Continuous 4-zone structure provides effective pre-filtration and final filtration.
- State of the art computer controlled manufacturing process delivers an extremely accurate and consistent product per each zone for proper fiber sizing.
- High-strength polypropylene core maximizes flow and optimizes each of the 4 zones. If required all Quad series may be ordered with cores.
- 100% polypropylene construction allows a wide range of uses, including FDA compliant material for food and beverage contact under CFR Title 21.
- All Quad Series cartridges are free of surfactants, binders or adhesives of any kind.
- Continuous lengths up to 80".
- All End Configurations available to fit most industry standards.
- All end caps are thermal bonded, no glues or adhesives are used.

## AVAILABLE END CAPS



# PRODUCT IDENTIFICATION

Melt Blown	Media	Micron	Diameter	Length	Series	Core (Optional)	End Cap	Gasket/O-Ring
B	E	1	S	2	X		2	B
B	E = Polypropylene	0.5 1 5 10 25 50 75 100 150	S = 2.5" Standard M = 4.5" C = Custom	1 = 9.875 2 = 9.75 3 = 10 4 = 19.5 5 = 20 6 = 29.25 7 = 30 8 = 39 9 = 40 W = 50 C = Custom up to 72"	S = Quad Pro X = Quad Deluxe A = Quad Elite R = Quad Ro	H = Polypropylene Core  (Series A & R require a core)	1 = DOE/ no caps 2 = 222/ Fin 3 = 222/ Spring 4 = 222/ Closed 5 = 226/ Closed 6 = 226/ Fin 7 = 226/ Spring 8 = SOE/ Spring 9 = DOE Gasket A = Custom E = Core Extender ES = Core Extender/ Spring	B = Buna V = Viton T = Teflon S = Silicone N = Neoprene D = EPDM P = Polyfoam  (No selection required for DOE)

\* Other options available upon request

## WEIGHTS & DIMENSIONS

### 2.5" Standard Cartridge Diameter

Cartridge Length (in)	Cartridge Weight (lbs)	Qty/Box	Box Weight (lbs)	Box Dimensions (L x W x H in)	Cartridge Qty/ Pallet	Pallet Weight (lbs)	Pallet Dimensions (L x W X H in)
10	0.3	30	10	13.25 x 7.75 x 24	1350	325	48 x 40 x 54
20	0.6	15	10	13.25 x 7.75 x 24	675	325	48 x 40 x 54
30	0.9	15	15	13.25 x 7.75 x 31	450	475	48 x 40 x 68
40	1.2	15	20	13.25 x 7.75 x 43	450	625	48 x 40 x 92
50	1.5	15	25	13.25 x 7.75 x 52	225	400	48 x 40 x 58

### 4.5" Standard Cartridge Diameter

Cartridge Length (in)	Cartridge Weight (lbs)	Qty/Box	Box Weight (lbs)	Box Dimensions (L x W x H in)	Cartridge Qty/ Pallet	Pallet Weight (lbs)	Pallet Dimensions (L x W x H in)
10	1.1	12	15	13.25 x 9 x 20.125	540	475	48 x 40 x 46.25
20	2.2	6			270		

\* Weights and dimensions are approximate

- Custom manufacturing and complete customization available
- Certifications available at select locations



Certified by IAPMO R&T to NSF/ANSI 42, 61, 372 for material safety only.



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