



## **FURON**<sup>®</sup> **A2 DAMPENER**

**AIR OPERATED,  
BELLOWED  
DAMPENER**

Furon A2 Dampeners are specifically designed to be used with Furon A2 Pumps and are constructed with no metal parts. All wetted parts are manufactured from high-purity PFA and PTFE and are suitable for dampening aggressive chemicals or slurries. The dampener reduces pump pulsation up to 85% of their nominal value and directly adapt to the pump stroke and line pressure. This eliminates the need for a costly and complicated 3rd-party component, making installations a very simple process.

### **APPLICATIONS**

The Furon A2 Dampener, coupled with a Furon A2 Pump, offers the perfect solution for superior performance and a reduced cost of ownership for transfer, recirculation, dispensing and bulk delivery for semiconductor, photovoltaic and chemical processing industries, or any industry where high-purity and chemical resistance is a must.

### **FEATURES AND BENEFITS**

- Metal free dampener
- HP PFA/PTFE flow path
- O-ring free flow path concept (tongue & groove concept)
- Flexible connection system compatible with all fitting types

## SPECIFICATIONS

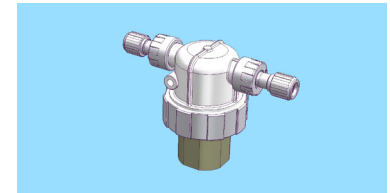
Part Number	Media	Recommended Pump Size	End Connection Orientation	End Connection Type	End Connection Size			
					in	mm		
A2MC1 1F8	Chemical	1;2	Straight / Straight	Compatible Flare	1/2	12.7		
A2MC1 1T8				Tube End				
A2MC2 1F12		2;3		Straight / Straight	Compatible Flare	3/4	19.05	
A2MC2 1T12					Tube End			
A2MC3 1F16		3			Straight / Straight	Compatible Flare	1	25.4
A2MC3 1T16						Tube End		
A2MC1 2F8		1;2	Straight / Elbow			Compatible Flare	1/2	12.7
A2MC1 2T8						Tube End		
A2MC2 2F12		2;3		Straight / Elbow		Compatible Flare	3/4	19.05
A2MC2 2T12						Tube End		
A2MC3 2F16		3			Straight / Elbow	Compatible Flare	1	25.4
A2MC3 2T16						Tube End		
A2MC1 3F8		1;2	Elbow / Elbow			Compatible Flare	1/2	12.7
A2MC1 3T8						Tube End		
A2MC2 3F12		2;3		Elbow / Elbow		Compatible Flare	3/4	19.05
A2MC2 3T12						Tube End		
A2MC3 3F16		3			Elbow / Elbow	Compatible Flare	1	25.4
A2MC3 3T16						Tube End		
A2MS1 1F8	Slurry	1;2	Straight / Straight			Compatible Flare	1/2	12.7
A2MS1 1T8						Tube End		
A2MS2 1F12		2;3		Straight / Straight		Compatible Flare	3/4	19.05
A2MS2 1T12						Tube End		
A2MS3 1F16		3			Straight / Straight	Compatible Flare	1	25.4
A2MS3 1T16						Tube End		
A2MS1 2F8		1;2	Straight / Elbow			Compatible Flare	1/2	12.7
A2MS1 2T8						Tube End		
A2MS2 2F12		2;3		Straight / Elbow		Compatible Flare	3/4	19.05
A2MS2 2T12						Tube End		
A2MS3 2F16		3			Straight / Elbow	Compatible Flare	1	25.4
A2MS3 2T16						Tube End		
A2MS1 3F8		1;2	Elbow / Elbow			Compatible Flare	1/2	12.7
A2MS1 3T8						Tube End		
A2MS2 3F12		2;3		Elbow / Elbow		Compatible Flare	3/4	19.05
A2MS2 3T12						Tube End		
A2MS3 3F16		3			Elbow / Elbow	Compatible Flare	1	25.4
A2MS3 3T16						Tube End		

Note: Flare end connections equipped with PFA nuts by default

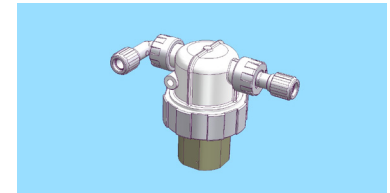
## TECHNICAL SPECIFICATIONS

Max. Liquid Pressure	80 PSIG (5.5 bar)
Maximum Air Pressure	87 PSIG (6 bar)
Operating Temperature	Ambient: 140°F (60°C) Media Range*: 35°F to 185°F (0°C to 85°C)

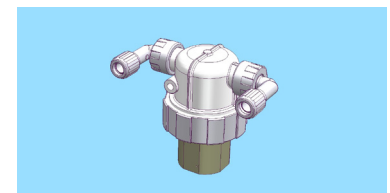
\* Contact Us for higher-temperature version.



End Connection  
Straight / Straight



End Connection  
Elbow / Straight



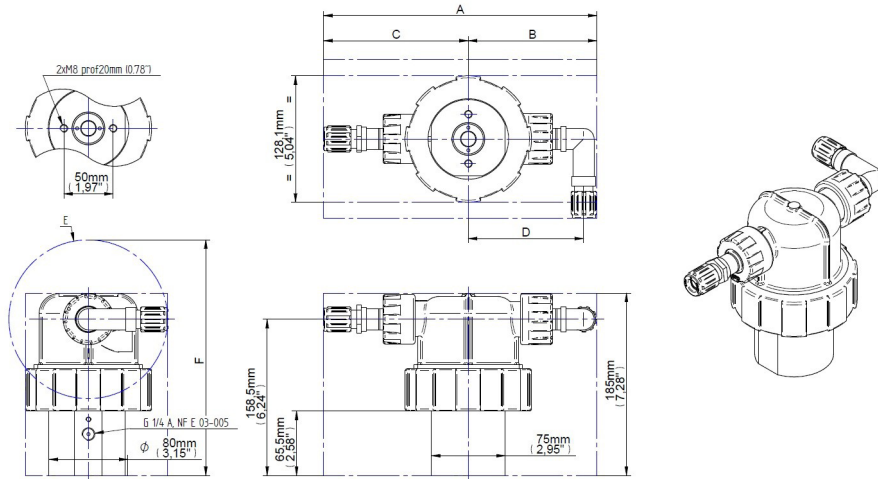
End Connection  
Elbow / Elbow

## PM Kit

Dampener Type	PM Part Number
A2MC1 XXXX	PM A2MC1
A2MC2 XXXX	PM A2MC2
A2MC3 XXXX	PM A2MC3
A2MS1 XXXX	PM A2MS1
A2MS2 XXXX	PM A2MS2
A2MS3 XXXX	PM A2MS3

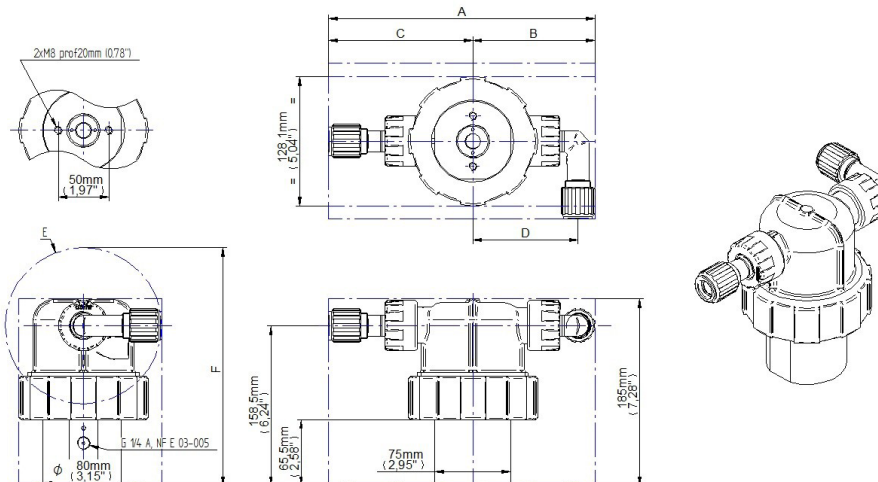
## A2MS1 AND A2MC1

Connection Type	DIMENSIONS											
	A		B		C		D		E (radius)		F	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
F8	277.2	10.91	130.3	5.13	146.8	5.78	116.9	4.6	80.5	3.17	239	9.41
T8	277.8	10.94	114.8	4.52	163	6.42	104.2	4.10	85.9	3.38	244.4	9.62



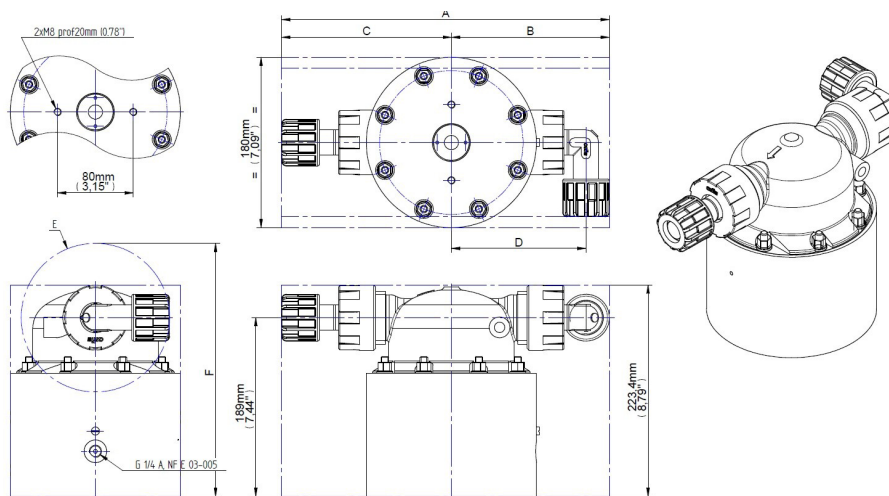
## A2MS2 AND A2MC2

Connection Type	DIMENSIONS											
	A		B		C		D		E (radius)		F	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
F12	263.7	10.38	120.9	4.76	142.8	5.62	104.2	4.10	77.4	3.05	235.9	9.29
T12	277.8	10.94	114.8	4.52	163	6.42	104.2	4.10	85.9	3.38	244.4	9.62



## A2MS3 AND A2MC3

Connection Type	DIMENSIONS											
	A		B		C		D		E (radius)		F	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
F16	346.6	13.65	167.2	6.58	179.5	7.07	142.4	5.61	78.5	3.09	267.5	10.53
T16	361.2	14.22	155.6	6.13	205.5	8.09	142.4	5.61	103.3	4.07	292.3	11.51



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