



FURON®
Pure Performance

Furon® A2 Dampener

High Purity Fluoropolymer Bellow, Air Operated Dampener

Description

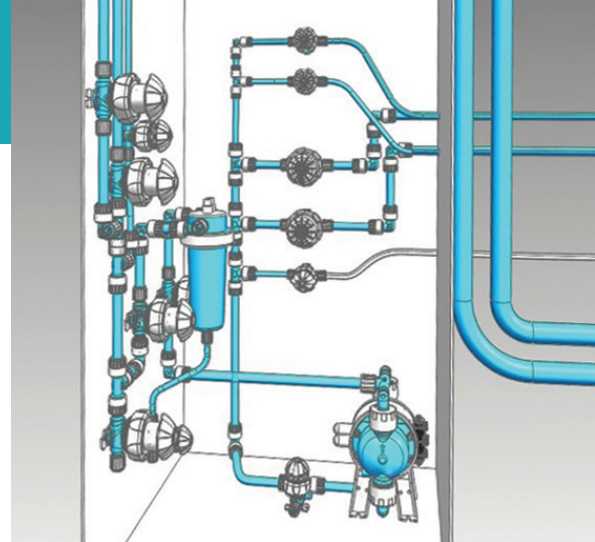
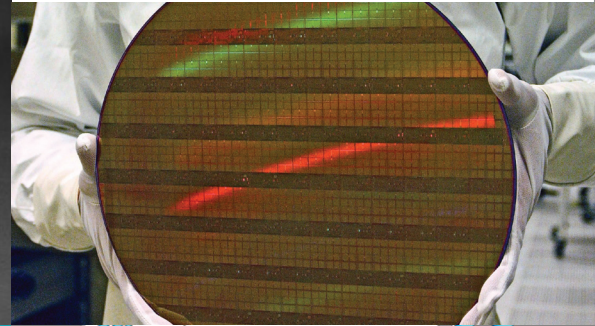
Furon A2 Dampeners are specifically designed to be used with Furon A2 Pumps and are based on over 20 years of experience in handling ultra-high purity media for the semiconductor industry.

Saint-Gobain dampeners 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. Additionally, the dampeners reduce pump pulsation up to 85% of their nominal value and directly adapt to the pump stroke and line pressure — eliminating the need for a costly and complicated 3rd-party component and making installations a very simple process.

Furon® A2 Dampeners come with a two year factory warranty on the chemical version and a one year factory warranty on the slurry version. Upon completion of preventive maintenance (performed by a certified technician), the warranty is extended an additional two years — up to a maximum six year warranty.

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

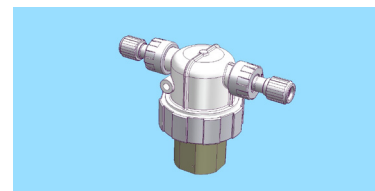
- Metal free dampener
- HP PFA/PTFE flow path
- Oring-free flow path concept (tongue & groove concept)
- Warranty up to 6 years
 - 2 years renewable on chemical version
 - 1 year renewable on slurry version
- Flexible connection system compatible with all fitting types

ASK AN ENGINEER

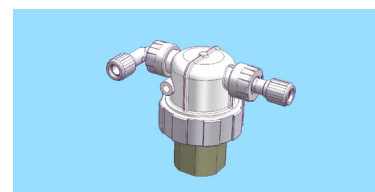

SAINT-GOBAIN

Ordering Information

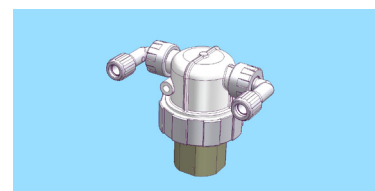
Part Number	Media	Recommended Pump Size	End Connection Orientation	End Connection Type	End Connection Size
A2MC1 1F8	Chemical	1;2	Straight / Straight	Compatible Flare	1/2"
A2MC1 1T8				Tube End	
A2MC2 1F12		2;3		Compatible Flare	3/4"
A2MC2 1T12				Tube End	
A2MC3 1F16		3		Compatible Flare	1"
A2MC3 1T16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



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

Specifications

Maximum Air Pressure : 80 PSI - 5.5 bar

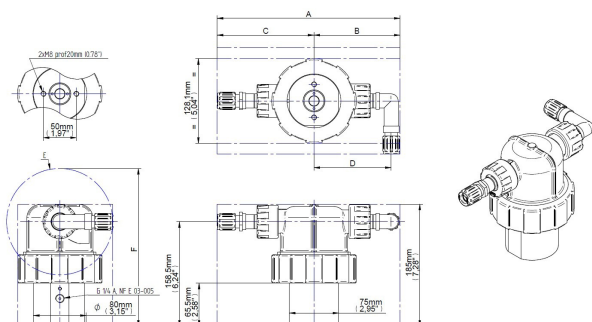
Maximum Liquid Pressure : 80 PSI - 5.5 bar

Maximum Temperature Range** : 35 F to 212F - 0°C to 100°C

** High-temperature version available for media temperatures greater than the one indicated here.

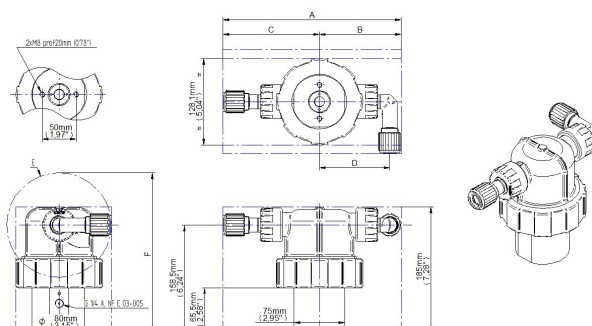
Dimensions

A2MS1 and A2MC1



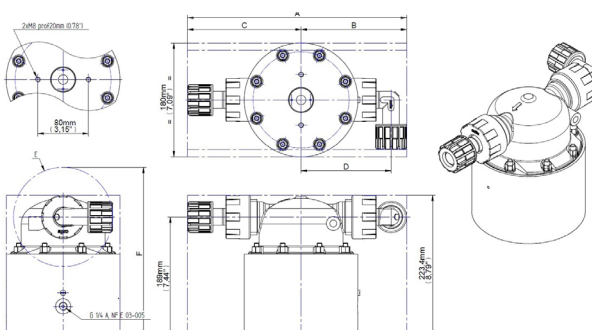
Connection Type	Dimensions											
	A		B		C		D		E (radius)		F	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
F8	277.2	10.91	130.3	5.13	146.8	5.78	116.9	4.6	80.5	3.17	239	9.41
T8	277.8	10.94	114.8	4.52	163	6.42	104.2	4.10	85.9	3.38	244.4	9.62

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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IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics products for all intended uses and that the components to be used comply with all applicable regulatory requirements. Saint-Gobain Performance Plastics assumes no responsibility for any product failures that occur due to misuse arising out of the design, fabrication or application of the products into which they are incorporated.

WARRANTY: For a period of 12 months on slurry version and 24 months on chemical version from the date of first sale, Saint-Gobain Performance Plastics warrants this product to be free of defects in materials and workmanship. The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. THIS IS THE EXCLUSIVE WARRANTY AND IS EXPRESSLY IN LIEU OF ANY AND ALL OTHER OBLIGATIONS, GUARANTEES, WARRANTIES AND REPRESENTATIONS. SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.