

Monsoon Oscillating Monitor

(AMWO)



The Angus Monsoon AMWO is a self-oscillating monitor with a manual hand wheel override operation. It is based on a single water way body. Simple to operate, the AMWO monitor is capable of flows up to 20,000 lpm (5,200 gpm), with inlet flanges of 3", 4", 6" or 8" UNI or ANSI. The AMWO is fitted with the AMO pelton turbine driven water motor unit to provide a sweep movement on the horizontal plane. The unit can also be controlled manually by rotating hand wheels that transfer the operator force through worm gears to the monitor joints, making the monitor movements very smooth in either method of operation. The joints use a sealed double channel bearing system. The "S" shaped body is designed to balance the reaction force. The monitor can be fitted with our range of discharge outlets including AMN FM approved jet / spray nozzles, and other water and foam cannons, including self inducing. The material of construction makes it suitable for use with sea water or foam solutions, and in harsh environments & offshore applications.

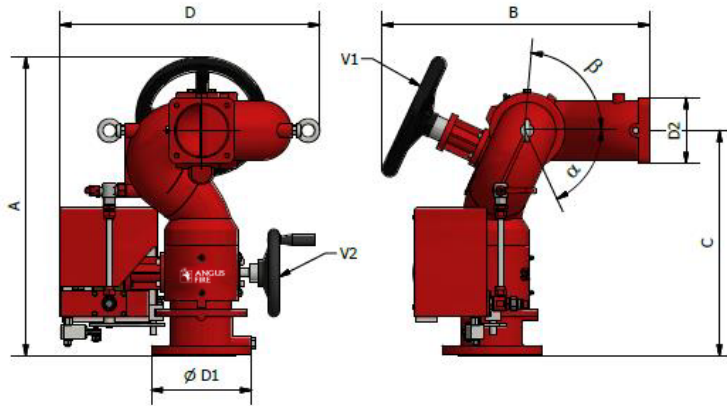
Painting specification:

- Epoxy primer 60 µm
- Polyurethane finish 60 µm
- Total thickness 120 µm dry film +/- 10%
- Colour red RAL 3000

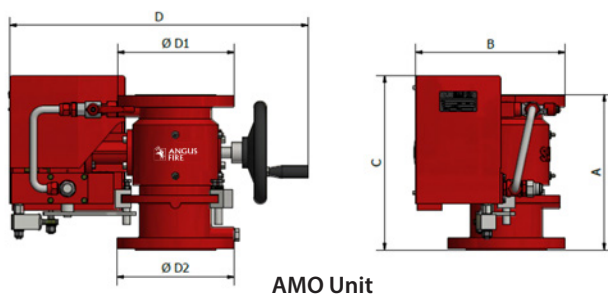
Self-oscillating Unit: (AMO)

- Material matched to the monitor body, with SS AISI 316 internal parts
- Adjustable horizontal rotation 0° - 360° (in steps of 1°)
- Tool free fastener in SS AISI 316
- Connection with plug-in stainless-steel M. 1/2" T.Og. 60°
- Movement via a Pelton turbine
- Minimum working pressure: 3,5 bar (recommended \geq 5 bar)
- Water consumption at 7 bar: ~ 25 lpm (~ 6 gpm)
- Rotation speed: 25° per second at 7 bar (101 psi) inlet pressure

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Ø Body	Ø D1	D2	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	α	β	V1 mm (inch)	V2 mm (inch)	Max Flow Rate lpm (gpm)	Weight kg (lb)
3"	3"	FQ125	606 (23)	520 (20)	456 (17)	549 (21)	-65°	85°	250 (9)	200 (7)	4000 (1000)	75 (165)
	4"	SF125										77 (169)
4"	4"	FQ125	680 (26)	600 (23)	516 (20)	594 (23)			300 (11)	200 (7)	6500 (1600)	101 (222)
	6"	SF125									8500 (2210)	104 (229.2)
6"	6"	ANSI 150	833 (32)	787 (30)	644 (25)	686 (27)			375 (14)	200 (7)	15000 (3900)	215 (473)
	8"										20000 (5200)	220 (485)



Material Options:

Bronze EN 1982 – CC491K
 Marine Bronze EN 1982 – CC492K
 Nickel Aluminium Bronze EN 1982 – CC333G
 Stainless steel AISI 316
 Aluminium Alloy G-AISI9

Ø Body	Ø D1	D2	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	Max Flow Rate lpm (gpm)	Weight kg (lb)
3"	3"	3"	281 (11)	257 (10.1)	339 (13.3)	542 (21.3)	4000 (1000)	59 (129.8)
4"	4"	4"	303 (12)	292 (11.5)	340 (13.4)	582 (22.9)	6500 (1600)	65 (143)

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