

Product Release: Water Separator

Water Separators

For the surges ordinary filters cannot handle, Tsunami Compressed Air Solutions™ offers maximum protection to accommodate your specific application requirements.

Our water separators are machined from the highest quality materials and are anodized inside and out for maximum corrosion resistance. This prevents rust and other corrosion from forming inside the filter housings unlike filters manufactured out of die cast materials.

Features & Benefits

Heads machined from 6061 aircraft aluminum preventing oxidation of cast components.

Oversized tube allows both gravity & velocity to assist in the removal of contaminants/liquids.

Pneumatic drain requires no electricity and ensures proper disposal of all capture moisture.

Extremely low pressure drop.

Filters function as a drip leg for improperly plumbed facilities.

No replacement elements required.

Our filters are available in multiple drain configurations. For information contact Suburban Manufacturing regarding your application.



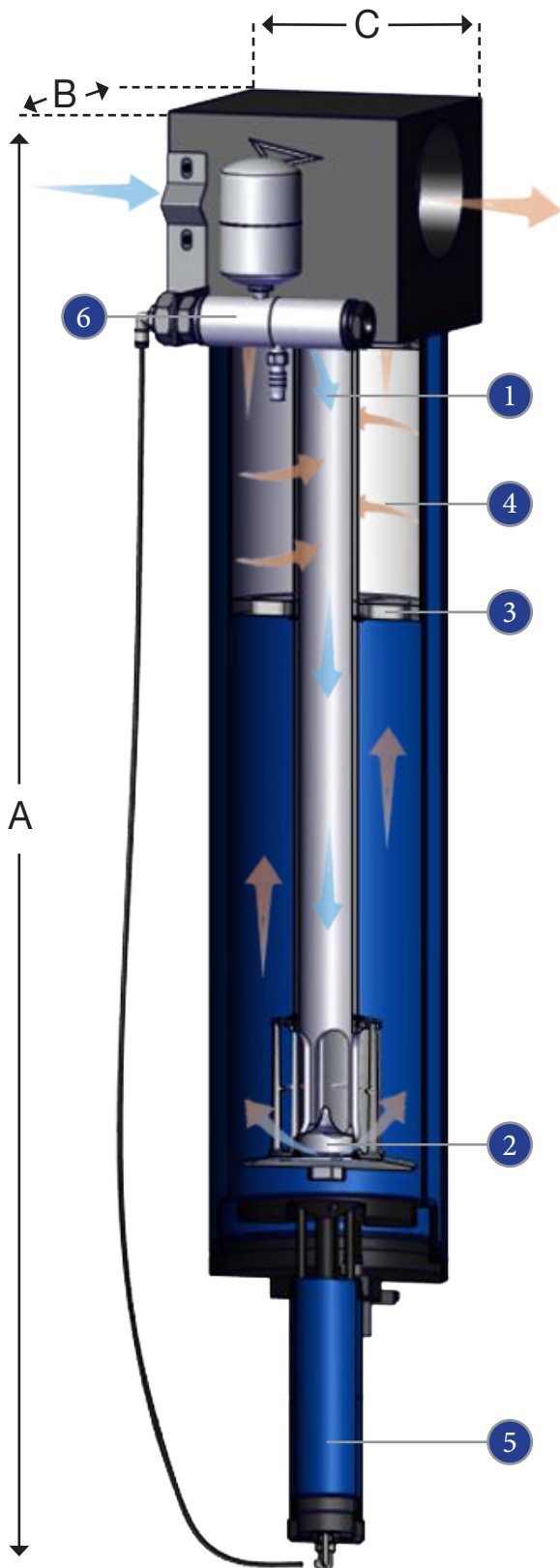
*models not to scale

Part Number	MAC Valve	(scfm) Max Flow	Port Size
MDN-120	PV03	120	1"
MDN-240	PV03 / PV06	240	2"
MDN-800 *	PV06 / PV09	800	3"

* = not available outside of the U.S.
reference sizing chart on following page

Tsunami Compressed Air Solutions
is a division of





Bag House Filter

P/N: MDN-800

The 800 Series Water Separator is designed to remove moisture and provide optimal air quality for Pulse Jet or Reverse Flow bag houses.

- Increases bag life
- Increases bag house efficiency
- Increases production time
- Reduces bag house maintenance
- Reduces moisture found in pulse air
- Extremely-low pressure drop reduces energy consumption

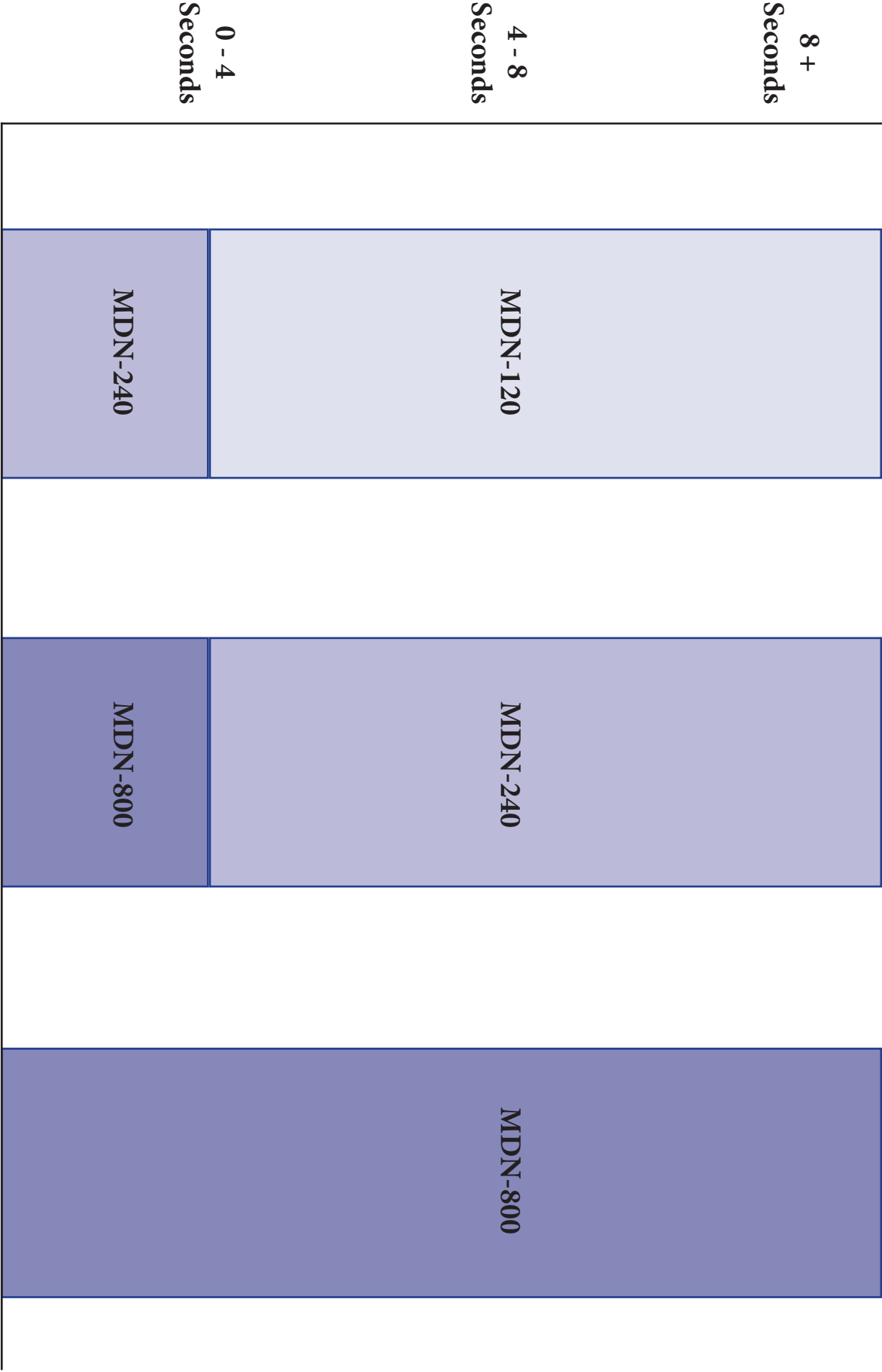
How it Works

- 1) Incoming wet air enters the water separator and travels down through a small diameter inner tube forcing an increase in air velocity.
- 2) Once the contaminated air reaches the bottom of the inner tube, flow is redirected 180° into a large outer tube. This process allows for gravity combined with a slower velocity to capture bulk liquids.
- 3) Air velocity increases once again as air is forced through small orifice baffles before entering the maintenance free stainless steel mesh element.
- 4) Centrifugal force is used to capture any remaining liquids before traveling through the outlet of the water separator.
- 5) All captured water and contamination is captured in the bottom sump and automatically ejected through the (6) pneumatic drain.

Dimensions	A	B	C
800 Series WS	35.83 in (910 mm)	9 in (228 mm)	6.5 in (165 mm)

MAC Valve / Tsunami Water Separator Sizing Chart

Air Tank Refill Time



MAC Valve P/N

*Chart based on 30 gallon tank