

# Water Separator

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The water separator is an ideal solution where water contamination is Present. Water can damage pneumatic components, degrade your final product, and cause valves and cylinders to stick. The water separator utilizes an internal spinner to remove large quantities of contamination by centrifugal action. Water, debris, and rust are spun outward to the inside diameter of the bowl. Gravity then sends the contaminant to the bottom of the bowl for discharge.

Delta Series  
Premium  
Filter

There has always been a lot of discussion in the industry about the **need for air filtration in a pneumatic application**. In a ideal world, there wouldn't be any oil, particulate, water or other contaminants in your compressed air, but we know this is not the case. A pneumatic filter is a critical system component that can prevent premature failure of your pneumatic components.

## How Does Water Get into my Compressed Air?

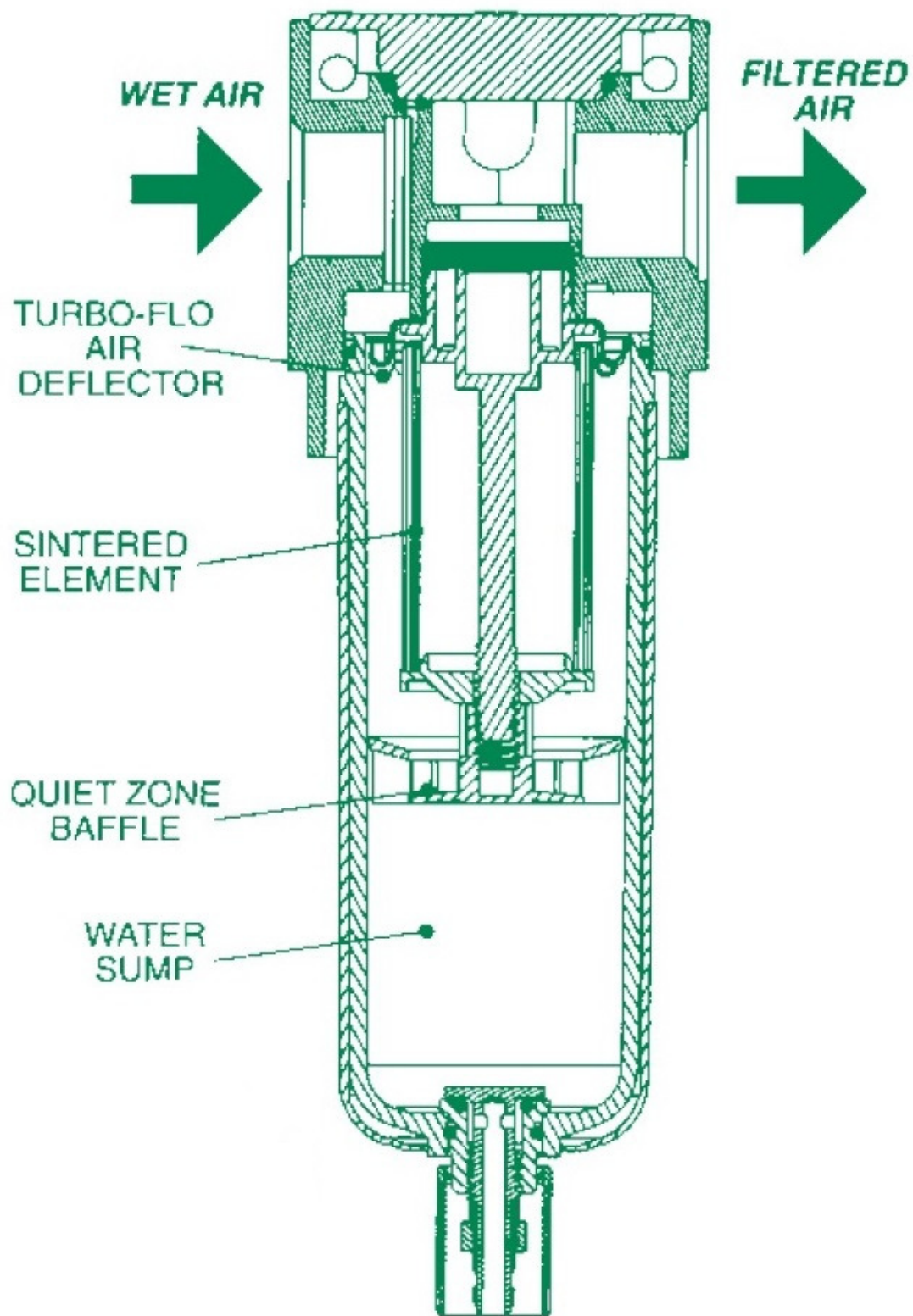
It is normal for your industrial air supply to have water because it is a normal result in the production of compressed air. The air compressor draws in ambient air with a certain level of humidity (very high levels in **rainy season**). When the air is compressed, this vapour becomes more concentrated, further raising the humidity level.

Compressed air with almost 100% humidity then leaves the air compressor, it cools, and water condenses inside your industrial air supply.

**Solution is Water Separators:** “the water separator is an ideal solution where water contamination is Present.”



**Water separators remove water particles from your compressed air by using an internal spinning mechanism.**



The F901X series utilizes an internal spinner to remove large quantities of contamination by centrifugal action. Water, debris, and rust are spun outward to the inside diameter of the bowl. Gravity then sends the contaminant to the bottom of the bowl for discharge. The standard execution has got a manual drain.

## **FLOW RATE :**

BASED ON 7 BAR INLET PRESSURE AND  $\Delta p$  of 0.1 BAR

| Model No   | Port Size | Flow Rate (Ltr/Min) | Flow Rate (m3/h) | Auto Drain Bowl Capacity |
|------------|-----------|---------------------|------------------|--------------------------|
| F901X-02AZ | 1/4"      | 850                 | 51               | 212,000 mm <sup>3</sup>  |
| F901X-04AZ | 1/2"      | 2550                | 153              | 212,000 mm <sup>3</sup>  |
| F901X-06AZ | 3/4"      | 4672                | 280.3            | 206,000 mm <sup>3</sup>  |
| F901X-08AZ | 1"        | 6088                | 365.3            | 206,000 mm <sup>3</sup>  |
| F901X-12AZ | 1 1/2"    | 9995                | 599.7            | 448,000 mm <sup>3</sup>  |
| F901X-16Z  | 2"        | 19990               | 1199.4           | 448,000 mm <sup>3</sup>  |
| F901X-24AZ | 3"        | 36638               | 2198.3           | 448,000 mm <sup>3</sup>  |

| Materials of Construction |                               |
|---------------------------|-------------------------------|
| Body :                    | Aluminium                     |
| Seals :                   | Viton <sup>®**</sup> (FPM)    |
| Drain :                   | Brass                         |
| Baffle:                   | Polyamid, Aluminium           |
| Maximum Temperature:      | 80 °C                         |
| Maximum Pressure:         | 15 bar (Port size 3": 10 bar) |

### RECOMMENDED USES

- Bulk liquid and solid contamination removal
- Downstream from compressor/after coolers
- Protection for coalescing elements from large liquid loading
- Refrigerated compressed air dryers



3" Water Separator Installation at JSPL.

Note: 3" Water separator comes with external Auto Drain.