

# Tri Stage Filtration System

## PRODUCT



## Features & Benefits

### • Tri Stage Filters

Increases durability of critical equipment

- Primary Filters

(1st Stage: 25  $\mu\text{m}$  & 2nd Stage: 5  $\mu\text{m}$  particulate filters)

to remove particles & moisture and prolong the lifespan of the coalescing filter

- Secondary Filter

(3rd Stage: 0.01  $\mu\text{m}$  coalescing filter)

to remove oil aerosol & submicron particles

### • Maintenance Bypass

Allows absolutely no disruption to the process with maximum plant uptime

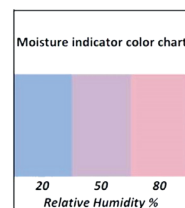
### • Lifespan Indicator

Improves predictive maintenance by providing a clear visual indication when maintenance is needed

### • Moisture Indicator

Continuous “LIVE” monitoring of air output for moisture presence, ensuring that the level is within safe limits

- Moisture indication through sight glass:



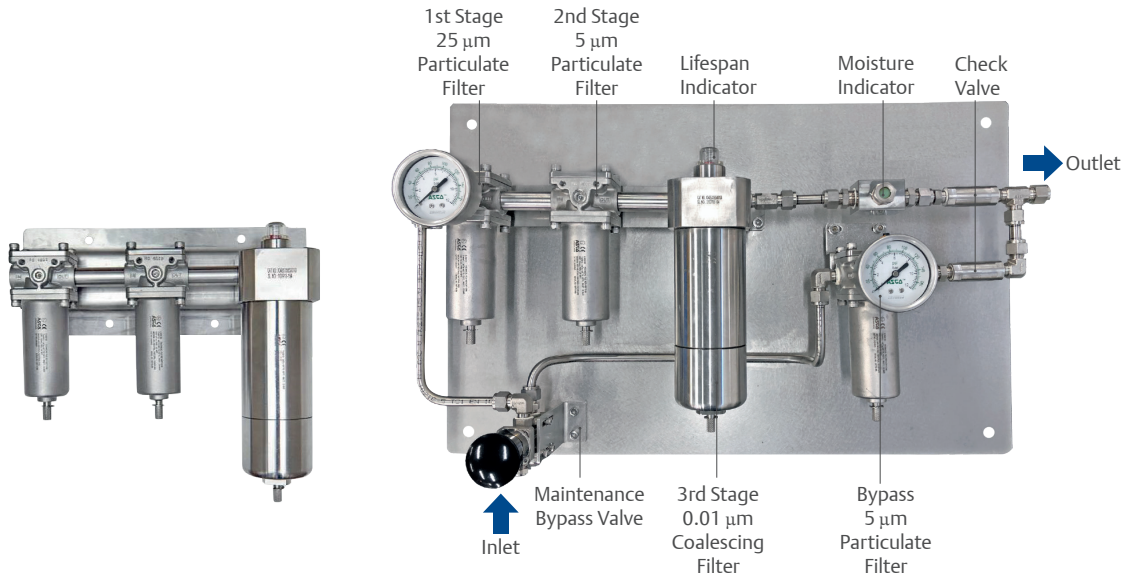
1. Blue: DRY
2. Purple: CAUTION
3. Pink: WET

### • Fully Automatic Drain Option

Ensuring no manual intervention or need to switch off inlet air for draining to be achieved

## Description

ASCO™ high performance Tri Stage Filtration System is highly effective in removal of particles, moisture and oil aerosol from the instrument air. It provides clean, dry and oil free instrument air to the equipment thereby increasing its durability.



## Specifications

Tri Stage Filtration System	
<b>Construction</b>	Fully stainless steel exterior compliance to NACE MR 0175
<b>Media</b>	Compressed air and neutral gas
<b>Port Size &amp; Thread Type</b>	1/4" NPT process connections
<b>Pressure Range (Inlet)</b>	0 - 16 bar (Manual Drain); 2.5 - 11 bar (Auto Drain) <sup>(1)</sup>
<b>Operating Temperature <sup>(2)</sup></b>	-20°C to +90°C
<b>Condensate Drain (options)</b>	Manual and Automatic

(1) Individual stage pressure to be minimum 2.5 bar for autodrain to function

(2) Operating temperature for Automatic Drain: +0°C to +60°C