



# Tornado

## Moisture Separators

- > More than 99% of bulk water is separated.
- > No replacement parts
- > Zero maintenance
- > Internal Auto drain valve & External Manual drain valve as standard feature.
- > Durable Aluminium Alloys Filter Housing Chemically
- > Treated on both Inside & outside against Oxidation

**NEW** | DIMENSIONS SOLUTIONS

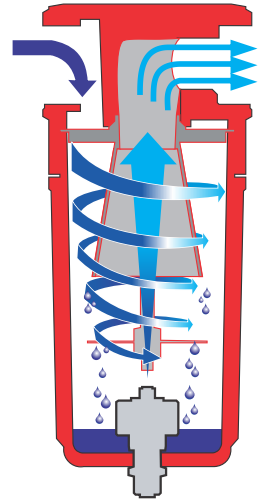


## Tornado Moisture Separators

Compressed air contains abundant quantity of bulk water which causes corrosion of piping and damages to pneumatics tools, valves, cylinders, machineries, etc. and hence need to be separated. Summits Tornado Moisture Separator is the ideal solution for the removal of moisture in liquid and aerosol form

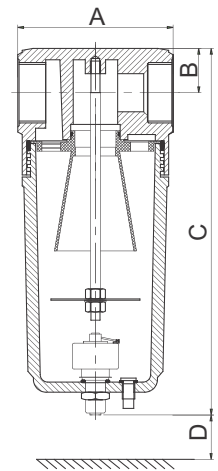
The centrifugal impeller causes radial acceleration with correspondingly high centrifugal force to arise, forming a tornado like rotating air current inside the separator

Through the centrifugal force, solid particles as well as oil and water droplets are projected against the inner separator wall and drain by gravity, flow downwards into the separator bowl.



### Technical Data

Model	End Connection (BSP F)	Flow Rates (cfm)	Dimension (mm)				Weight kg
			A	B	C	D	
ST 006 DA	1/2"	60	95	21	240	100	1.25
ST 015 DA	1"	150	122	35	290	150	2.80
ST 035 DA	1 1/2"	350	122	35	290	150	2.80
ST 080 DA	2"	850	158	45	420	200	6.85
ST 160 DA	3"	1600	230	73	520	200	15.40



### Pressure Correction factor (Z1)

Inlet Air Pressure bar g	1	3	5	7	9	11	13	15	16
		0.5	0.71	0.87	1.0	1.12	1.22	1.32	1.41

Moisture Separator capacity = Compressor actual FAD x Z1

### Common Technical Data :


Maximum recommended Operating Temp	-	80°C
Minimum recommended Operating Temp	-	1.5°C
Material of Construction (MoC) of the body	-	Aluminium Alloy
Maximum Working Pressure	-	16 bar g
Typical pressure differential at rated flow :	-	20-60 m bar

### Nomenclature

ST 006 DA  
 ST Series Name  
 006 x 10 = 60 cfm  
 D:16 bar g  
 A = Aluminium  
 C = Carbon Steel

For higher flow rate please contact factory.

Manufactured and marketed by

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