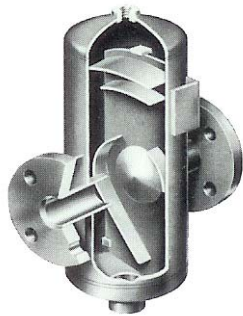
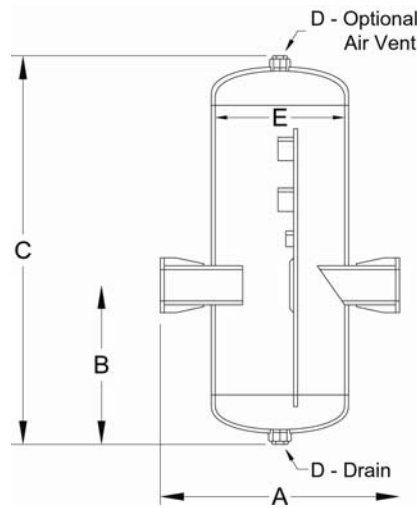


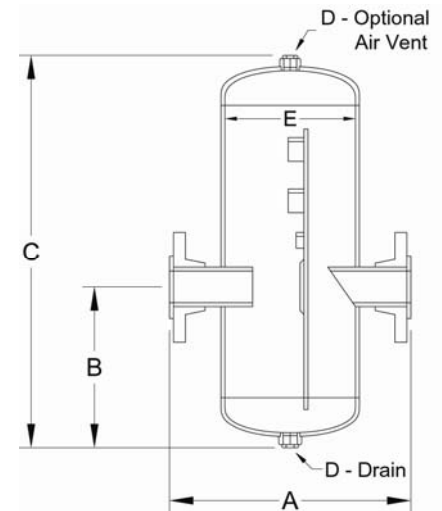
# MOISTURE SEPARATORS



MSF Series



MST Series



MSF Series

## OPERATION

As steam or compressed air enters the oversized separator chamber the decreased velocity and internal baffle both aid in the separation of moisture and contaminants.

## DESIGN SPECIFICATIONS

Design Standards: ANSI B16.5  
 Design Code: ASME Sect. VIII, Div. 1, 2001 Ed.  
 MDMT: -20°F  
 Hydrostatic Test: 1-1/2 times design pressure  
 Heat Treatments: None

### Screwed/Socket Weld

Design Pressure: 600 psi @ 400°F  
 TMO: 650°F

### 150 lb. ANSI

Design Pressure: 285 psi @ 100°F  
 TMO: 565°F

### 300 lb. ANSI

Design Pressure: 740 psi @ 100°F  
 TMO: 650°F

### 600 lb. ANSI

Design Pressure: 1480 psi @ 100°F  
 TMO: 650°F

## MATERIALS

Part	Description
Body	Carbon Steel (Stainless Steel Optional)
Fittings	Carbon Steel (Stainless Steel Optional)
Baffle	Carbon Steel (Stainless Steel Optional)

## NOTES

- Higher pressure ratings available upon request
- Dimensions can be modified to suit customer requirements

## INSTALLATION

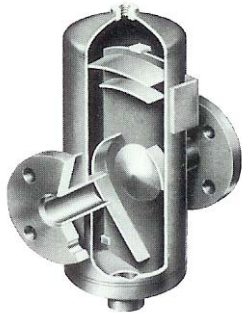
Install in a horizontal pipeline with the drain pointed downwards and the flow in the direction of the indication arrow on the body. The recommended drain trap is a modulating float operated type

## SIZING

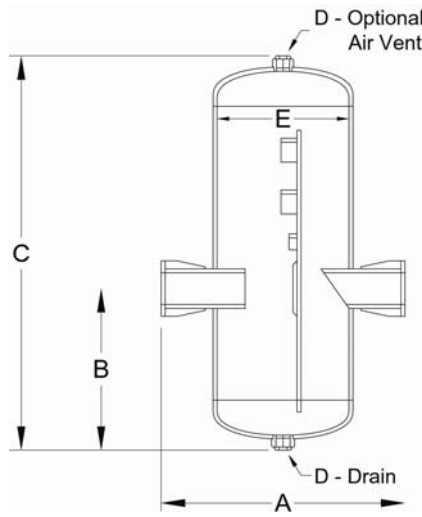
Normally selected by pipe size provided the piping size has been selected within reasonable velocities. For factory sizing, please provide the range of flows and pressures anticipated. Pressure drops will not normally exceed an equivalent length of pipe.



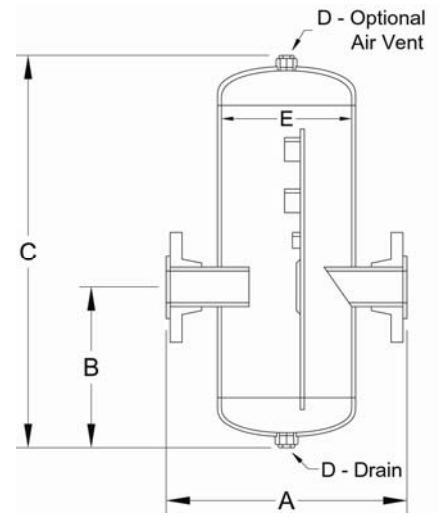
# MOISTURE SEPARATORS



MSF Series



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## DIMENSIONS & WEIGHTS

Size		A		B		C		D		E		Weight					
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	150		300		600	
												kg	lbs	kg	lbs	kg	Lbs
15	1/2	220	8-5/8	132	5-3/16	271	10-5/8	20	3/4	150	6	---	---	---	---	4	9
20	3/4	222	8-3/4	149	5-7/8	308	12-1/8	20	3/4	150	6	---	---	---	---	4.5	10
25	1	235	9-1/4	150	6	358	14-1/8	20	3/4	150	6	---	---	---	---	8.6	19
32	1-1/4	235	9-1/4	180	7-1/8	412	16-1/4	20	3/4	150	6	---	---	---	---	13.6	30
40	1-1/2	285	11-1/4	195	7-5/8	482	19	25	1	200	8	---	---	---	---	19.5	43
50	2	296	11-5/8	206	8-1/8	525	20-5/8	25	1	200	8	---	---	---	---	22.7	50
65	2-1/2	571	22-1/2	238	9-3/8	622	24-1/2	25	1	250	10	50	109	51	112	51	113
80	3	641	25-1/4	300	12	728	28-5/8	50	2	250	10	74	163	77	169	86	189
100	4	736	29	322	12-5/8	792	31-3/16	50	2	300	12	108	237	117	258	135	297
150	6	908	36	311	12-1/4	933	36-3/4	50	2	400	16	166	365	182	401	250	551
200	8	1066	42	387	15-1/4	1222	48-1/8	50	2	500	20	202	445	272	600	441	972
250	10	1238	48-3/4	685	27	1606	63-1/4	50	2	600	24	365	805	440	970	789	1740
300	12	1257	49-1/2	758	29-7/8	1727	68	50	2	600	24	377	830	519	1145	912	2010

Larger sizes and higher flange ratings are available upon request. Please consult factory

## ORDERING CODE

	TYPE	CONNECTION	ANSI RATING	BODY MATERIAL
<b>Example:</b>	<b>MS</b>	<b>F</b>	<b>300</b>	<b>S</b>
	MS – Moisture Separator	T – Screwed NPT F – ANSI Flanged W – Socket Weld	150 – 150 lb. ANSI Rating 300 – 300 lb. ANSI Rating 600 – 600 lb. ANSI Rating	S – Carbon Steel SS4 – 304 Stainless Steel SS6 – 316 Stainless Steel

Colton has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice

