

Line Type Models Type LC (LC, LCF, LCR, LCC, LCCR) Separators

Section: A100
Bulletin: A100.50c
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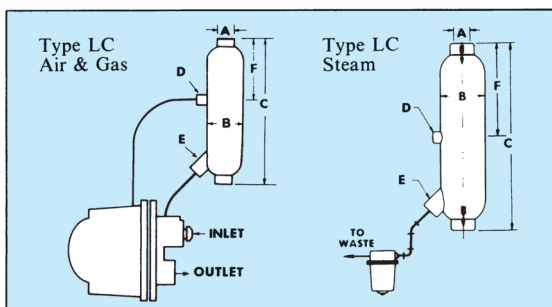


Type LC, LCF, LCR, LCC, & LCCR Separators

Anderson Type LC, LCF, and LCR Separators are designed to eliminate 99% plus of all liquid entrainment of 10 microns and larger. Type LCC and LCCR are designed to eliminate 99.9% of all liquid entrainment of 1 micron and larger from air, gas, steam, and vapor pipe lines without causing any significant pressure drop.

These separators are available for installations up to 600 PSIG and 500°F.

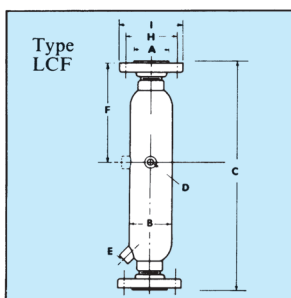
LC Separators



Dimensions in inches

TYPE	LC 25	LC 50	LC 75	LC 100	LC 125	LC 150	LC 200
Pipe Size	A 1/4	1/2	3/4	1	1 1/4	1 1/2	2
Diameter	B 2 1/4	2 1/4	2 1/4	3 1/4	3 1/4	5	5
Length	C 8 3/4	8 3/4	8 3/4	14 5/8	14 5/8	16 5/8	16 5/8
Vent Size	D 1/4	1/4	1/4	1/4	1/4	1/4	1/4
Drain Size	E 1/2	1/2	1/2	3/4	3/4	3/4	3/4
Vent Location	F 3 1/2	3 1/2	3 1/2	6 1/8	6 1/8	8 1/8	8 1/8
Weight	4#	4#	4#	8#	8#	18#	18#

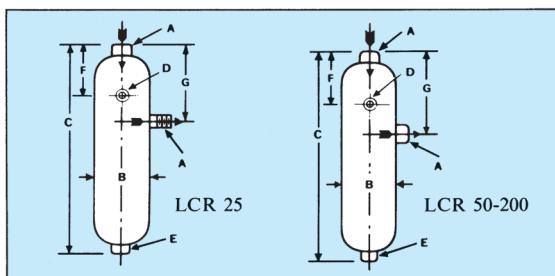
LCF Separators



Dimensions in inches

TYPE	LCF 50		LCF 75		LCF 100		LCF 125		LCF 150		LCF 200	
Flange Rating	150	300	150	300	150	300	150	300	150	300	150	300
Pipe Size	A 1/2	1/2	3/4	3/4	1	1	1 1/4	1 1/4	1 1/2	1 1/2	2	2
Diameter	B 2 1/4	2 1/4	2 1/4	2 1/4	3 1/4	3 1/4	3 1/4	3 1/4	5	5	5	5
Length	C 10 1/2	11	10 3/4	11 1/2	16 5/8	17 3/8	17 3/8	17 3/8	19 1/2	20 1/8	20	20 5/8
Vent Size	D 1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Drain Size	E 1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Vent Location	F 4 1/2	4 5/8	4 5/8	5	7 5/8	8	8	8 1/8	10 1/4	10 1/2	10 1/2	10 3/4
Diameter of Bolt Hole Ring	H 2 3/8	2 5/8	2 3/4	3 1/4	3 1/8	3 1/2	3 1/2	3 7/8	3 7/8	4 1/2	4 3/4	5
Diameter of Flange	I 3 1/2	3 3/4	3 7/8	4 5/8	4 1/4	4 7/8	4 5/8	5 1/4	5	6 1/8	6	6 1/2
Weight	8#	10#	8#	10#	12#	14#	14#	16#	24#	30#	28#	32#

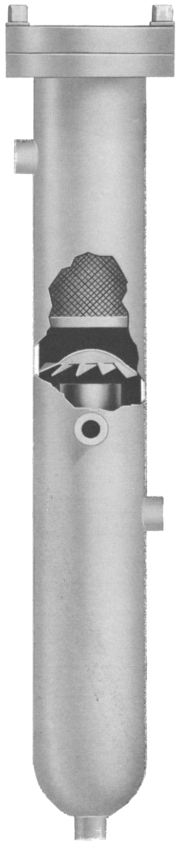
LCR Separators



Dimensions in inches

TYPE	LCR 25	LCR 50	LCR 75	LCR 100	LCR 125	LCR 150	LCR 200
Pipe Size	A 1/4*	1/2	3/4	1	1 1/4	1 1/2	2
Diameter	B 2 1/4	2 1/4	2 1/4	3 1/4	3 1/4	5	5
Length	C 8 9/16	19	19	24	24	25	25
Vent Size	D 1/4	1/4	1/4	1/4	1/4	1/4	1/4
Drain Size	E 1/4	1/2	1/2	3/4	3/4	3/4	3/4
Vent Location	F 2 3/4	3 7/8	4	6 1/4	6 3/8	8 1/4	3 3/4
Outlet Location	G 4 3/4	5 7/8	6	9	9 1/8	11 3/4	11 7/8
Weight	4#	6#	6#	11#	11#	24#	24#
Reservoir - PTS	1/2	1 1/4	1 1/4	3 3/4	3 3/4	6 1/2	6 1/2

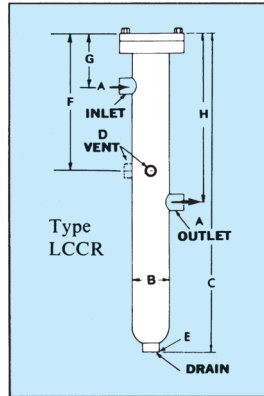
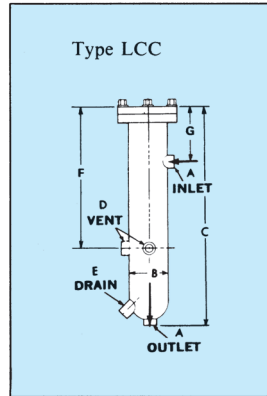
*Outlet Conn. 1/4" Male



Vertical Type LCC & LCCR Separators

Anderson LCC and LCCR vertical separators employ a specially designed coalescer element to remove finely divided liquid particles as minute as 1 micron from air, steam, gas or vapor lines.

These models are available for installations up to 600 PSIG and temperatures to 100°F. Also available for steam service up to 500°F.



Dimensions in inches

TYPE	LCC 25	LCC 50	LCC 75	LCC 100	LCC 125	LCC 150	LCC 200
Pipe Size	A 1/4	1/2	3/4	1	1 1/4	1 1/2	2
Diameter	B 2 1/4	2 1/4	2 1/4	3 1/4	3 1/4	5	5
Length	C 13 1/2	13 1/2	13 1/2	18 1/4	18 1/4	19 5/8	19 5/8
Vent Size	D 1/4	1/4	1/4	1/4	1/4	1/4	1/4
Drain Size	E 1/4	1/2	1/2	3/4	3/4	3/4	3/4
Vent Location	F 9 3/8	9 3/8	9 3/8	9 3/8	9 3/8	10 1/2	10 1/2
Inlet Location	G 2 3/4	2 3/4	2 3/4	3 1/4	3 1/4	4 1/4	4 1/4

Dimensions in inches

TYPE	LCCR 25	LCCR 50	LCCR 75	LCCR 100	LCCR 125	LCCR 150	LCCR 200
Pipe Size	A 1/4*	1/2	3/4	1	1 1/4	1 1/2	2
Diameter	B 2 1/4	2 1/4	2 1/4	3 1/4	3 1/4	5	5
Length	C 19 1/2	19 1/2	19 1/2	24	24	25 5/8	25 5/8
Vent Size	D 1/4	1/4	1/4	1/4	1/4	1/4	1/4
Drain Size	E 1/4	1/2	1/2	3/4	3/4	3/4	3/4
Vent Location	F 8 3/4	8 3/4	8 3/4	9 7/8	9 7/8	11 1/2	11 1/2
Inlet Location	G 2 3/4	2 3/4	2 3/4	3 1/4	3 1/4	4 1/2	4 1/2
Outlet Location	H 10 7/16	10 7/16	10 7/16	12 11/16	12 11/16	15	15

*Outlet Conn. 1/4" Male

Purifier Selection Chart for Air Gas and Steam Applications

AIR AND GAS APPLICATIONS

This table gives the recommended sizes of Purifiers for best efficiency at various air and gas flows for different pressures.

FLOW IN C.F.M. (Free Air)

Type No.	Pipe Size	Pressure in Lbs. Per Square Inch Gauge							
		10	25	50	75	100	150	250	400
25	1/4"	7.5	11.0	14.5	18.4	21.5	28.0	37	51
50	1/2"	23	32	45	55	65	85	115	160
75	3/4"	40	57	80	100	115	150	200	275
100	1"	60	83	115	145	170	220	295	400
125	1 1/4"	90	139	180	220	260	340	450	615
150	1 1/2"	135	185	260	330	385	490	650	900
200	2"	240	330	470	590	700	900	1200	1600

STEAM APPLICATIONS

This table gives the recommended sizes of Purifiers for best efficiency at various flows for different pressures.

STEAM FLOW IN LBS. PER HOUR

Type No.	Pipe Size	Pressure in Lbs. Per Square Inch Gauge					
		10	50	100	150	200	300
50	1/2"	55	105	160	210	250	330
75	3/4"	93	190	280	360	430	590
100	1"	145	285	420	540	660	860
125	1 1/4"	215	430	660	840	1000	1350
150	1 1/2"	310	630	950	1250	1500	1980
200	2"	565	1100	1660	2150	2600	3450

Type LCR & LCCR Separators provide liquid storage for periodic blow down for light entrainment conditions.

All LC Type Separators must be installed in a vertical position with the flow from top to bottom for maximum entrainment separator.

All LC stock item separators have carbon steel body with stainless steel internal element.

All LC Type Separators can, on special order, be built and stamped to ASME Code for Unfired Pressure Vessels suitable for use in a wide range of pressure and temperature, and/or are available in all stainless steel construction.

ANDERSON™ SEPARATOR COMPANY

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A.S.M.E. CODE STAMPS



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