



LTC Cannons

Features

- ✓ Exceptional operational reliability
- ✓ Long life and maintenance free



The Angus Long Throw Cannons (LTC) are expertly engineered to deliver well-formed, stable foam over extended distances. Designed for seamless compatibility with the Angus Fire range of monitors, these cannons ensure optimal performance in demanding firefighting scenarios.

The LTC cannons have been designed for a wide range of foam applications. They are available in three sizes, with capacities of 1800, 2700 and 3600 litres/minute of foam

solution at 7 bar inlet pressure.

The cannons produce low expansion foam, with typical expansion ratios of 5:1 to 10:1 depending on foam concentrate selected.

LTC/B models with a foam spreader are also available. In the open position this spreader produces identical performance to the standard LTC Cannon. With the spreader closed, the foam stream is widened, resulting in more rapid coverage of the burning surface. Foam application and fire fighting are thereby made more efficient, particularly on shallow fires. The spreader is simply operated using a single lever on the Angus OM80 and HM80 monitors.

Self-inducing Models

Self-inducing LTC/SI models are also available for mounting on the Angus OM80 Oscillating and HM80 Hand monitors, where existing foam proportioning systems are not installed. These are supplied with 3% and 6% foam induction settings and a 3m foam pick-up tube.



LTC 1800 Straight Cannon



LTC 2700 Self-inducing Cannon



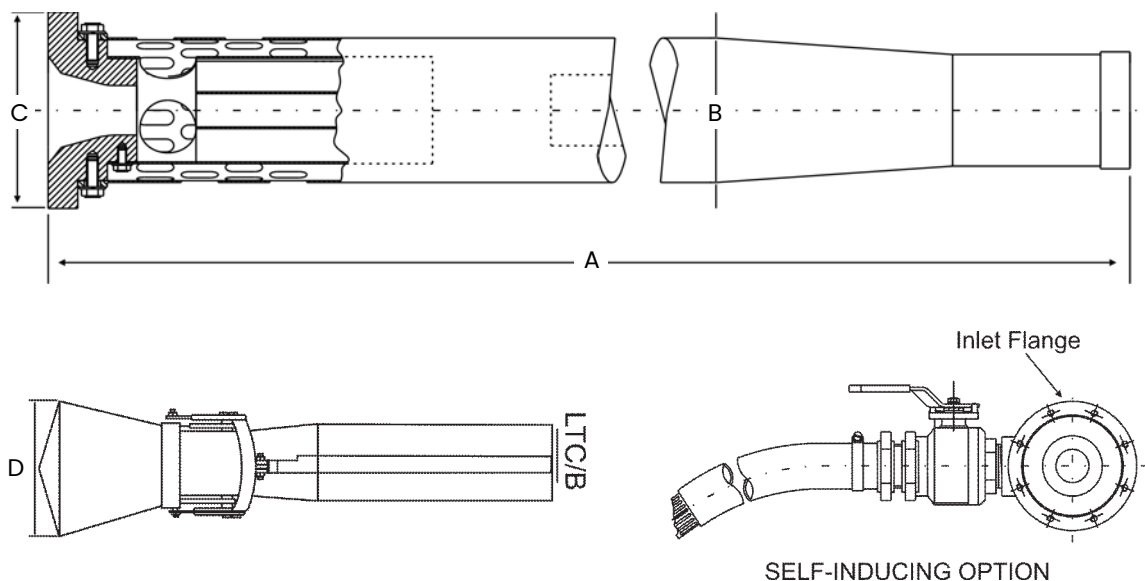
Angus Fire LTC Cannon Family



LTC/B 3600 Blabbermouth Cannon



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Dimensions

	LTC			LTC/SI & LTC/B		
	1800	2700	3600	1800	2700	3600
A (mm)	1320	1320	1302	1440	1500	1510
B (mm)	98	118	136	98	118	136
C (mm)	133	133	136	133	133	136
D (mm)	-	-	-	180	210	230
Appox. weight (Kg)	8	10	11	14	14	16
Min. Operating Pressure	5 BAR					
Max. Operating Pressure	10 BAR					

Performance Data (Typical)

Cannon	K Factor*	Inlet Pressure (bar g)	Nominal Flow (litres/min)	Horizontal Foam Range (metres)	Max. Vertical Foam Height (metres)	Range at max. Height (metres)
				Elevation angle 37°	Elevation angle 70°	
LTC1800/ LTC1800SI	-	5	1550	33 - 38	17	14
	680 - 748	7	1800	40 - 51	19	16
	-	10	2180	47 - 62	21	18
LTC2700/ LTC2700SI	-	5	2340	38 - 40	17	15
	1020 - 1123	7	2700	44 - 54	20	18
	-	10	3300	49 - 69	22	20
LTC3600/ LTC3600SI	-	5	3100	39 - 45	18	16
	1360 - 1496	7	3600	47 - 58	21	19
	-	10	4350	52 - 68	24	21

* Flow (litre/min) = $K \sqrt{P}$ where P = inlet pressure in bar.g.



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Spreader Closed – Typical Performance at 45° Elevation

Cannon	Inlet Pressure (bar g)	Throw (metres)	Spread (metres)
LTC1800/ LTC1800SI	5	15	9
	7	17	10
	10	20	11
LTC2700/ LTC2700SI	5	17	19
	7	18	20
	10	21	20
LTC3600/ LTC3600SI	5	17	19
	7	18	20
	10	21	20

Range data typically obtained in 0 → 2 m/s following wind conditions.

Material Specification

Barrel	316 Stainless Steel
Internals	316 Stainless Steel
Spreader	316 Stainless Steel
Flange	Gunmetal

Angus Fire operates a continuous programme of product development. The right is therefore reserved to modify any specification without prior notice and Angus Fire should be contacted to ensure that the current issues of all technical data sheets are used.