

Technical Bulletin 022 – Zero 2000 Data Sheet

Rev3 07/03/2016

Other References	
TB009	Extinguisher Selection
TB010	Plumbed-in System Installation Guide
TB012	Zero 2000 MSA&FIA Kit Content and Spares
TB020	Motorsport Regulation Changes

Overview

Zero 2000 - the first environmentally-friendly extinguishant to combat the problem of Halon replacement. In a world of constant change, Lifeline has consistently led the way, and continues to do so.

Zero 2000 is a fully integrated design approach. Together with the specially designed atomising nozzles, the Zero 2000 compound itself has been specially blended to cope with the rigorous demands of motorsport. The nozzle design divides the foam into minute particles, smothering the fire with a fine mist that forms an invisible seal over the target area, cooling and preventing re-ignition. Zero 2000 performed supremely well in engine fire tests, and thus achieved Technical List 16 homologation with the **FIA** and full compliance with the **RACMSA** and **SCCA** requirements.

In addition to its fire suppression performance **Zero 2000** also has other advantages. It is economic to refill, and of course, is **environmentally friendly**, being **non-ozone depleting**, **non-corrosive**, **non-toxic** and **biodegradable**.

The latest generation of International FIA specification **Zero 2000** Systems have been independently tested by the **British Standards Institute** passing the required **FIA** extinguisher tests with flying colours, resulting in homologation approvals for all appropriate groups.

- The choice of world championship winning constructors
- Clean Halon replacement, environmentally acceptable
- Excellent fire knock down and fire out capabilities
- FIA Homologated for all groups
- 4.0 litres of Zero 2000 extinguishant
- Constant discharge in any orientation
- Lightweight and compact
- Highest quality components
- Two year service cycle

Specification

Description	Zero 2000 Range
MSA/FIA Homologation	MSA to Blue Book - FIA EX.002.98, EX.005.98
Contents	AFFF
Discharge System	Mechanical or Electrical
Cylinder Material	Aluminium Alloy or Steel
Temperatures	-15 to +60°C
Options	AR-AFFF for Methanol/Ethanol Fuels (polar solvents)

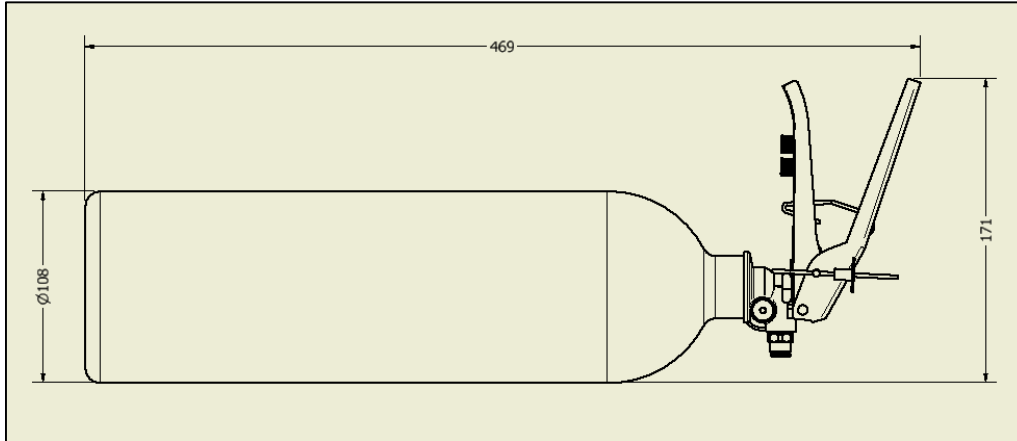
Weights and Dims

System Number	Type	Capacity	Cylinder Weight	Cylinder Dimensions (Length x Width/Height x Diameter)
101-225-001	MSA	2.25ltr	3.35kg	469 x 171 x Ø108
101-225-002	MSA	2.25ltr	3.35kg	312 x 192 x Ø150
101-225-003	MSA	2.25ltr	3.5kg	387 x 180 x Ø125
101-225-004	MSA	2.25ltr	3.1kg	259 x Ø150
101-225-006	MSA	2.25ltr	3.3kg	334 x Ø125
101-337-001	MSA	3.375ltr	5.3kg	412 x 195 x Ø155
101-337-002	MSA	3.375ltr	4.8kg	298 x 206 x Ø155
101-337-004	MSA	3.375ltr	5.0kg	308 x 206 x Ø155
102-400-001	FIA TL 16	4ltr	6.5kg	434 x 195 x Ø155
102-400-002	FIA TL 16	4ltr	5.5kg	412 x 195 x Ø155
102-400-003	FIA TL 16	4ltr	5.2kg	308 x 206 x Ø155
102-312-001	FIA TL 6	3.12ltr	4.4kg	248 x 206 x Ø155

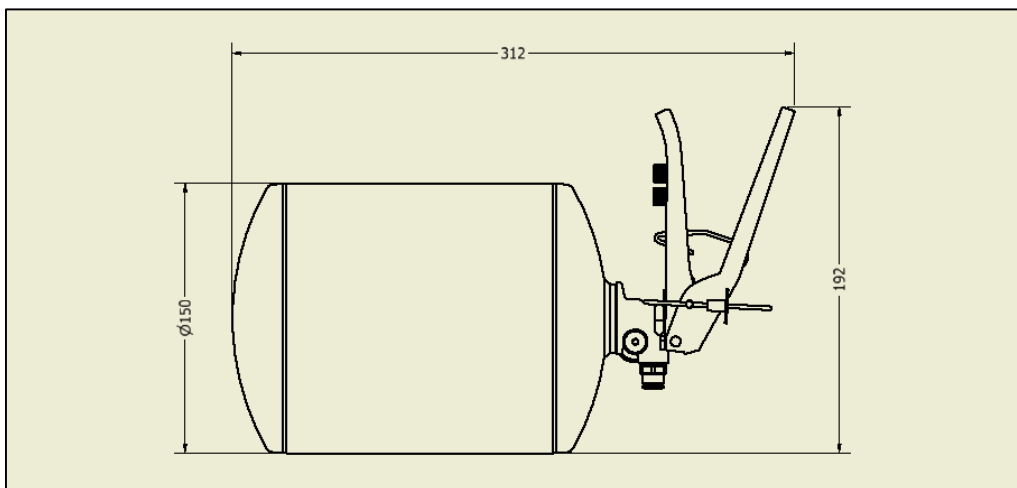
* PLEASE NOTE: ALL DIMENSIONS AND MASSES ARE BASED ON THE CYLINDER ONLY, THEY DO NOT INCLUDE NOZZLES, TUBING, AND HOSES ETC.



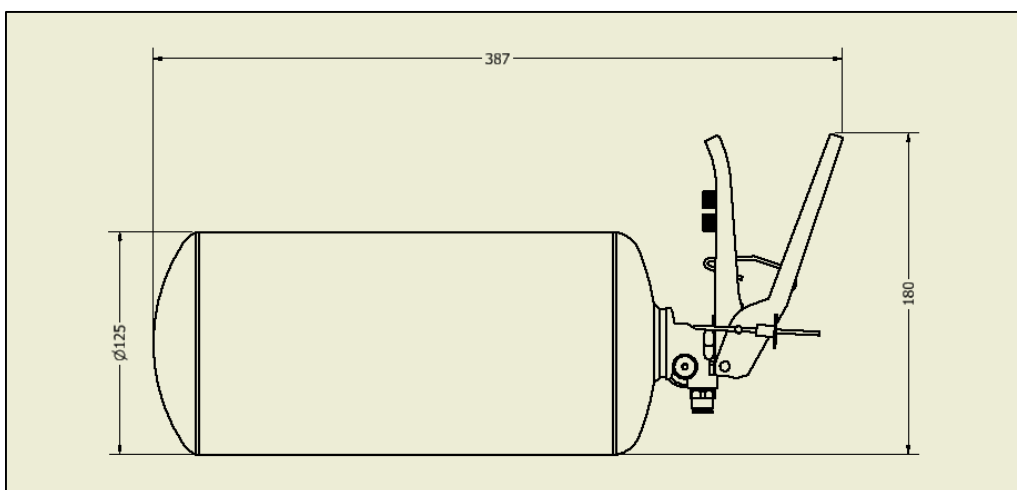
Cylinder Drawings



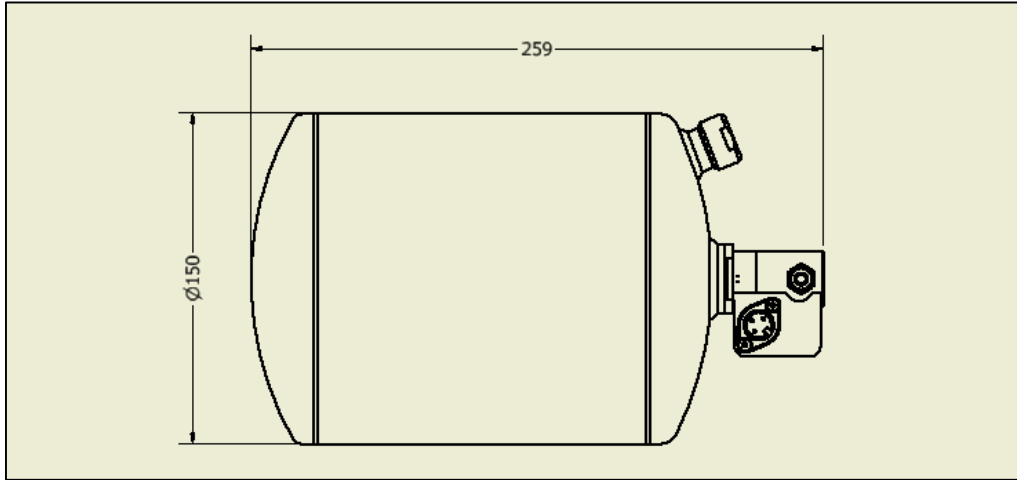
101-225-001-B Zero 2000 2.25ltr Club Fire Marshall Mechanical



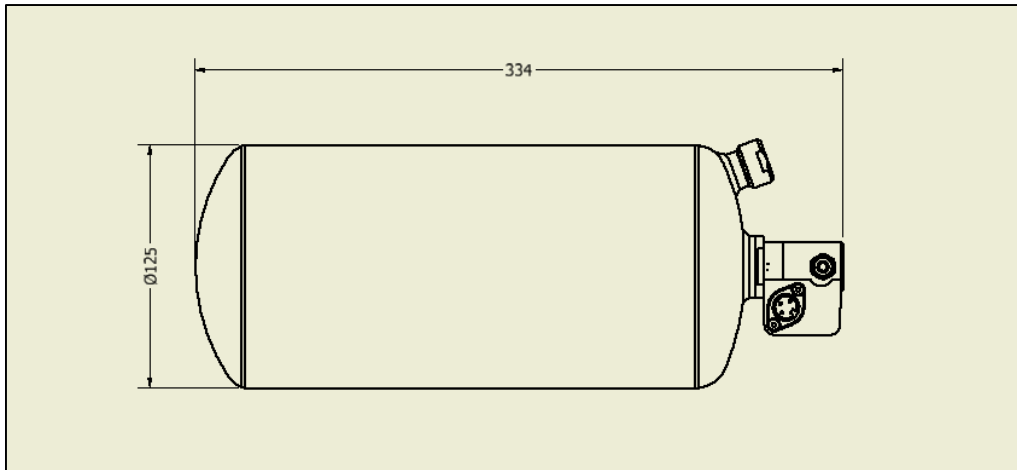
101-225-002-B Zero 2000 2.25ltr Fire Marshal Mechanical



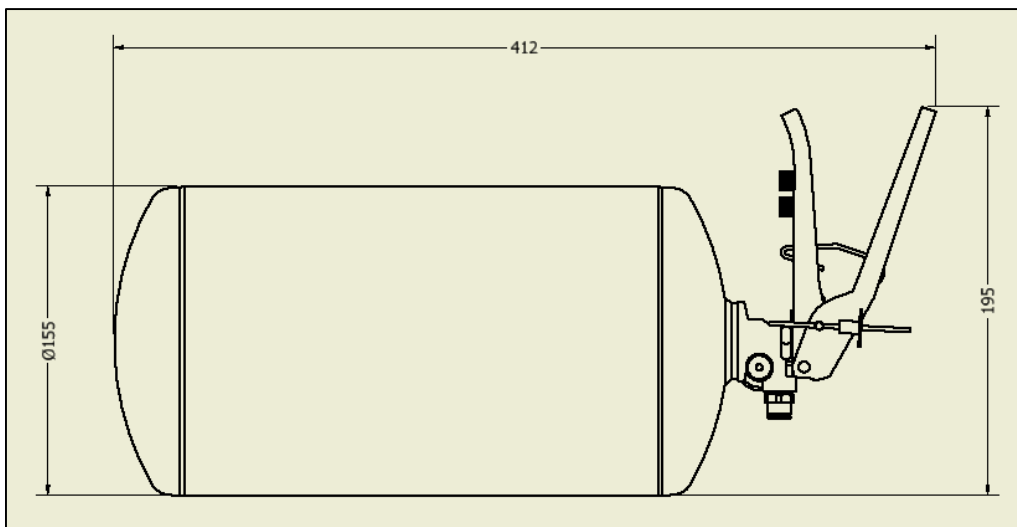
101-225-003-B Zero 2000 2.25ltr Fire Marshal Slimline Mechanical



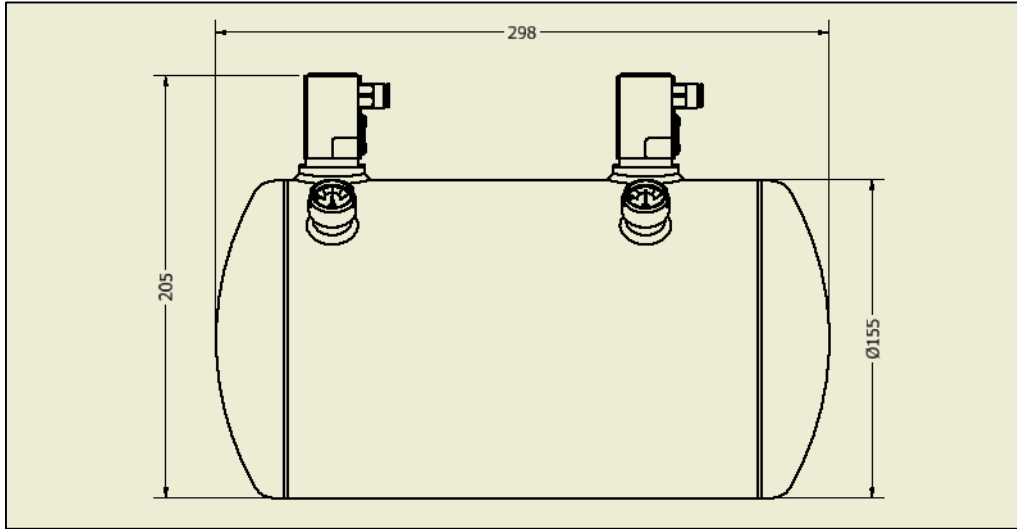
101-225-004-B Zero 2000 2.25ltr Electric



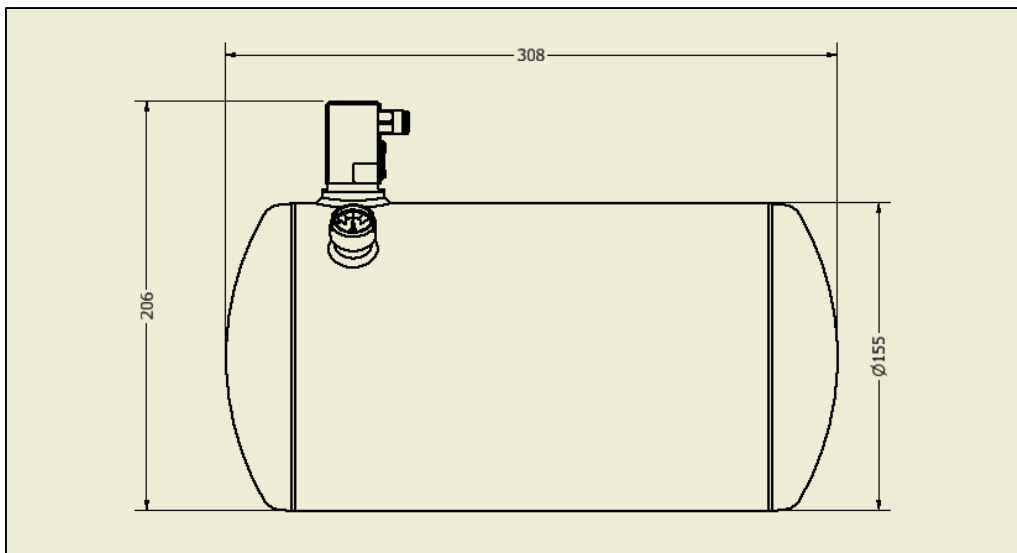
101-225-006-B Zero 2000 2.25ltr Slimline Electric



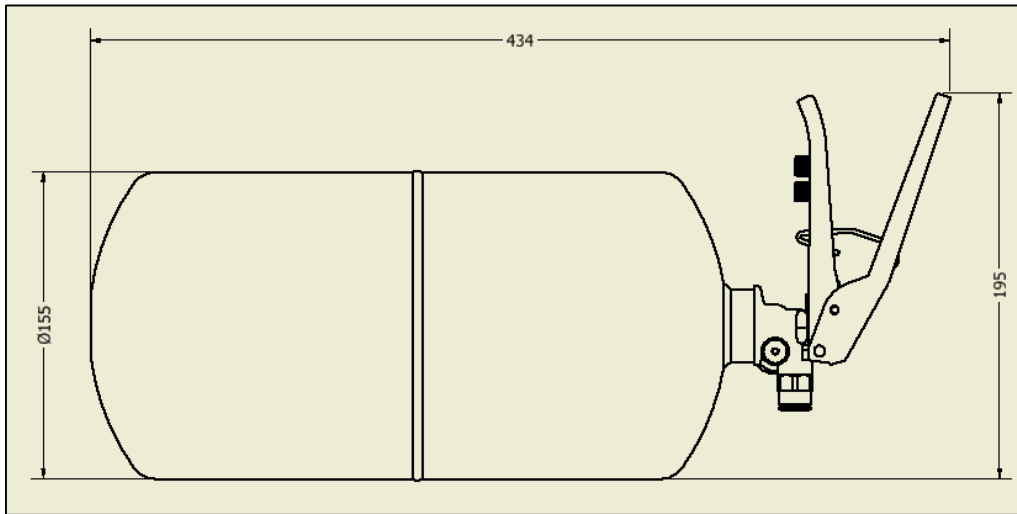
101-337-001-B Zero 2000 3.375ltr Fire Marshal Flow Control Mechanical



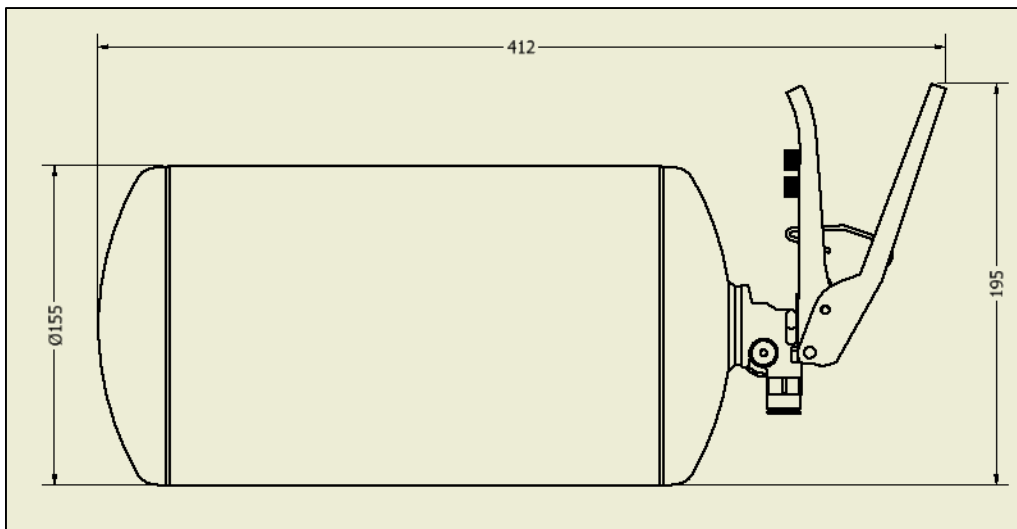
101-337-002-B Zero 2000 3.375ltr Electric Dual Chamber



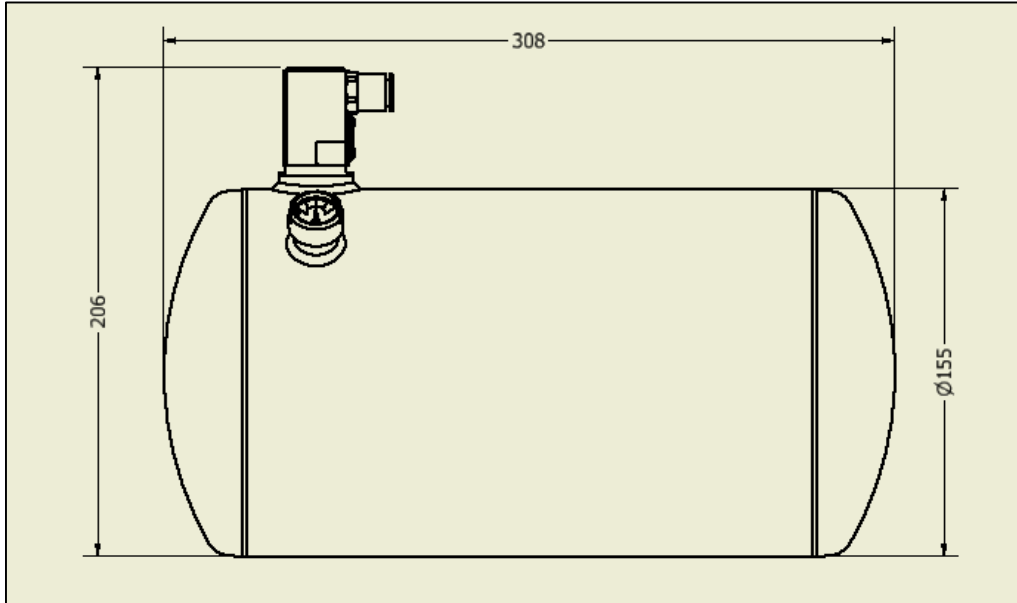
101-337-004-B Zero 2000 Electric Flow Control



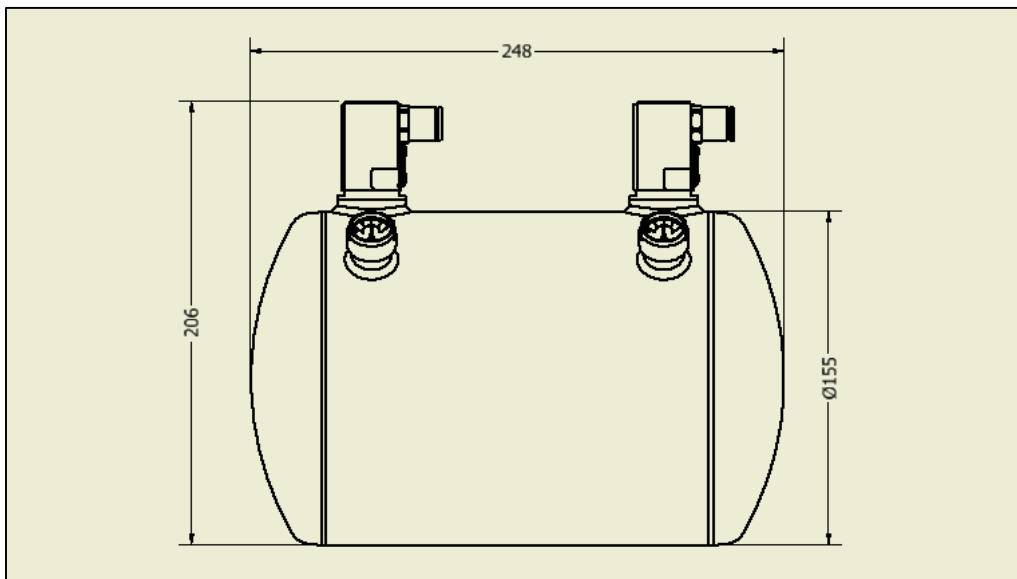
102-400-001-B Zero 2000 FIA 4.0ltr Fire Marshal Mechanical – Steel Cylinder



102-400-002-B Zero 2000 FIA 4.0ltr Fire Marshal Mechanical – Aluminium Cylinder

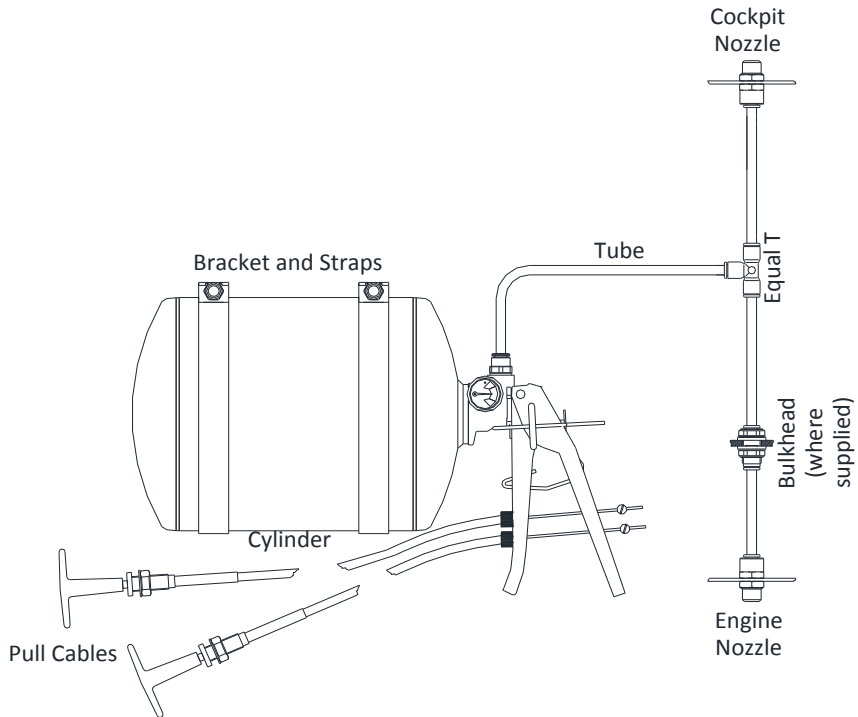


102-400-003-B Zero 2000 FIA 4.0ltr Electric

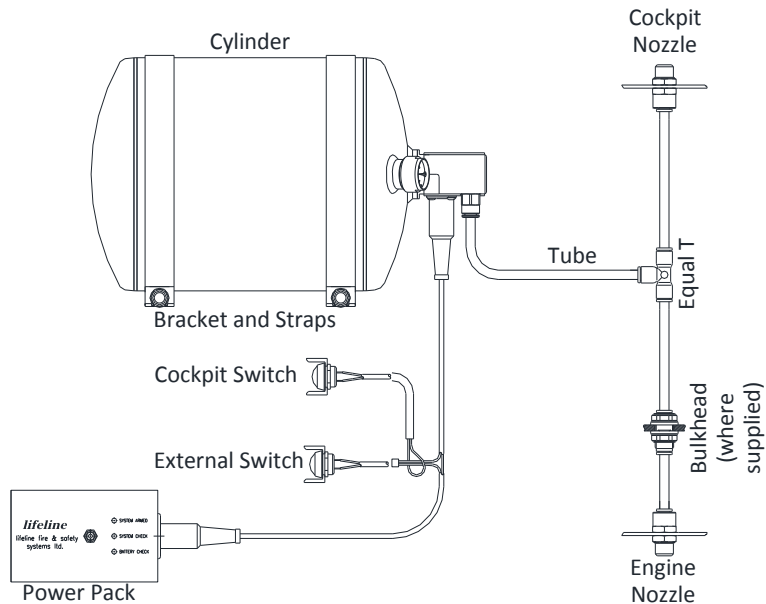


102-312-001-B Zero 2000 FIA 3.12ltr Electric Dual Chamber

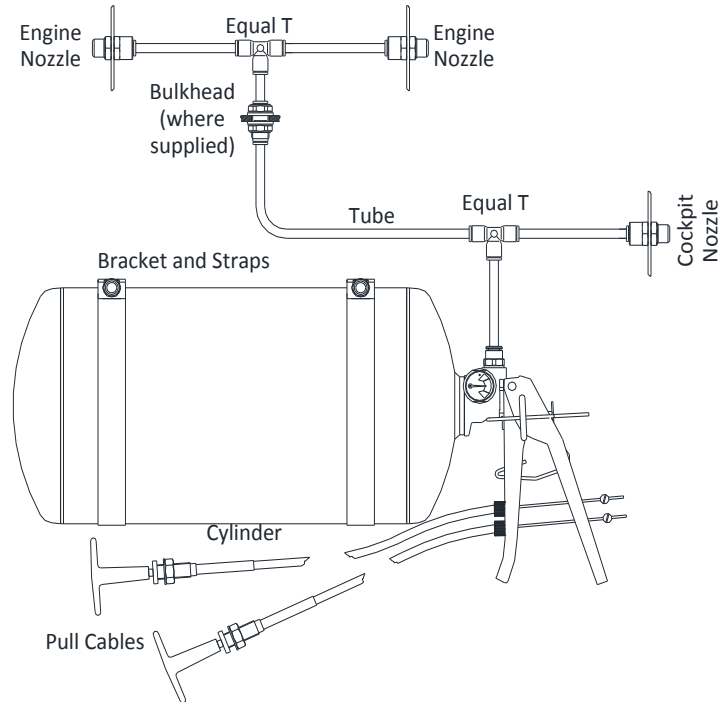
System Schematics



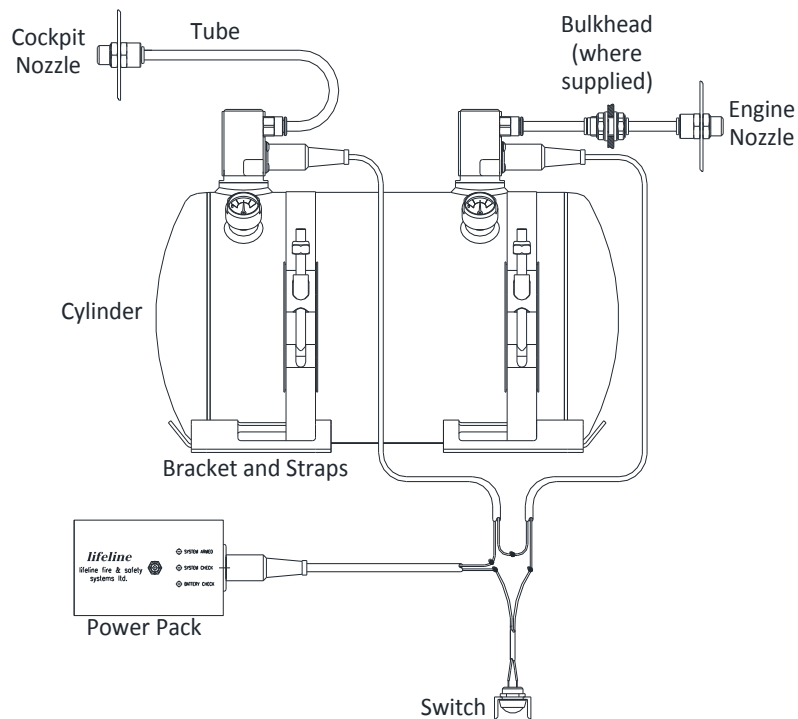
MSA 2.25ltr Mechanical Systems
 101-225-001, 101-225-002, 101-225-003



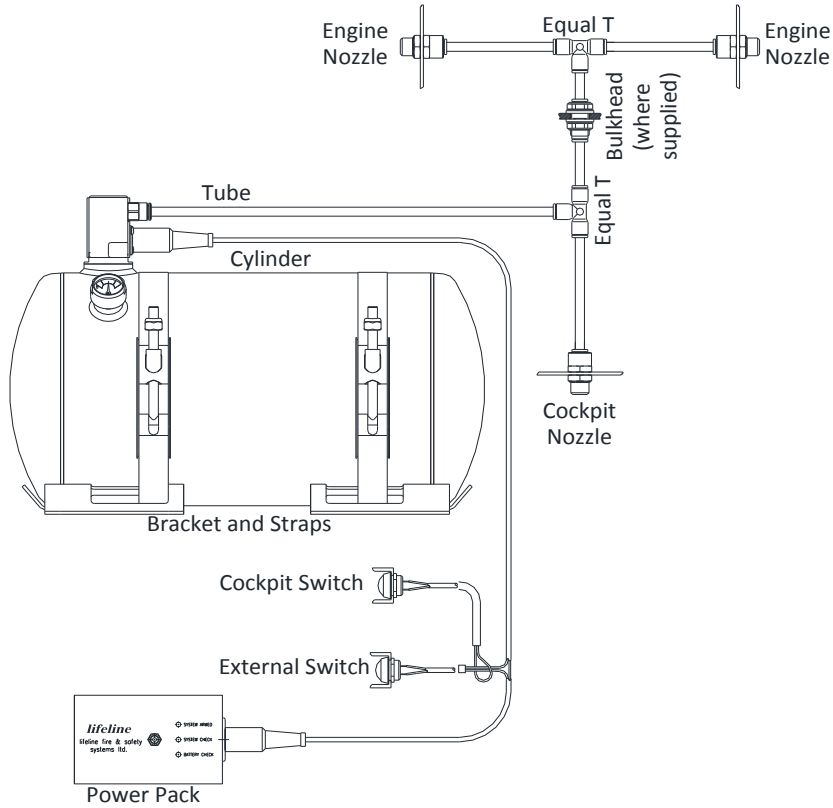
MSA 2.25ltr Electric Systems
 101-225-004, 101-225-006



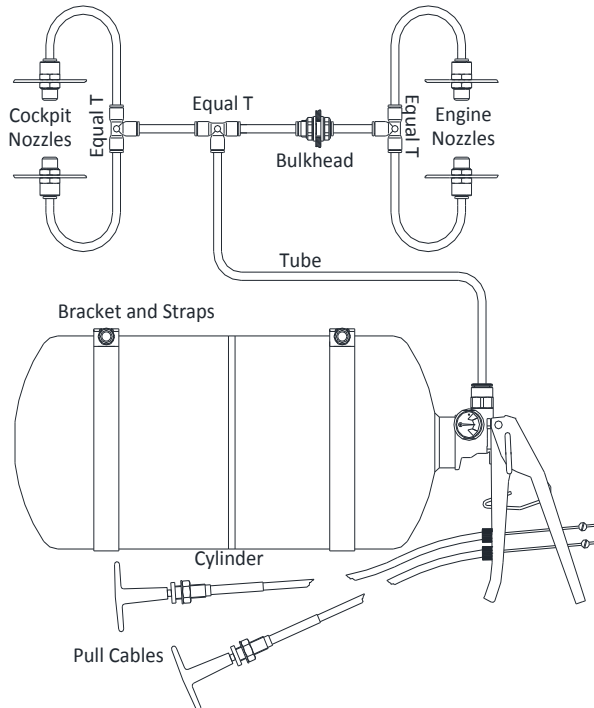
MSA 3.375ltr Fire Marshal Flow Control Mechanical System
101-337-001



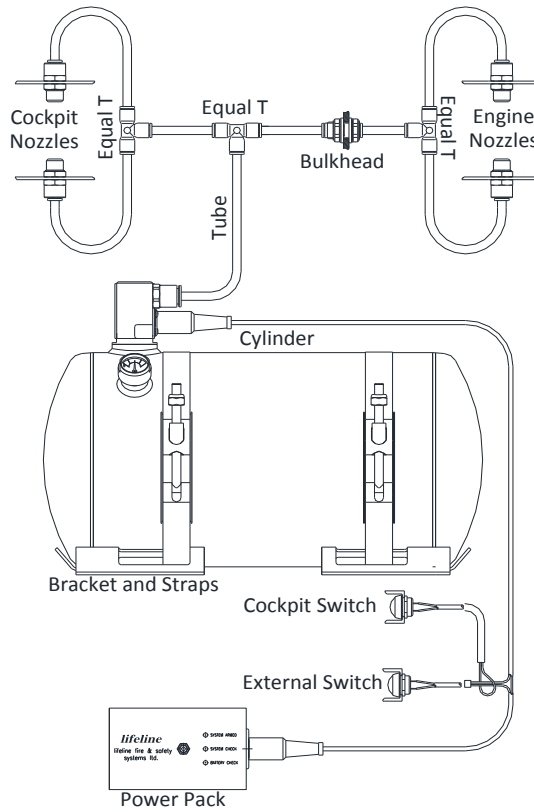
MSA 3.375ltr Electric Dual Chamber System
101-337-002



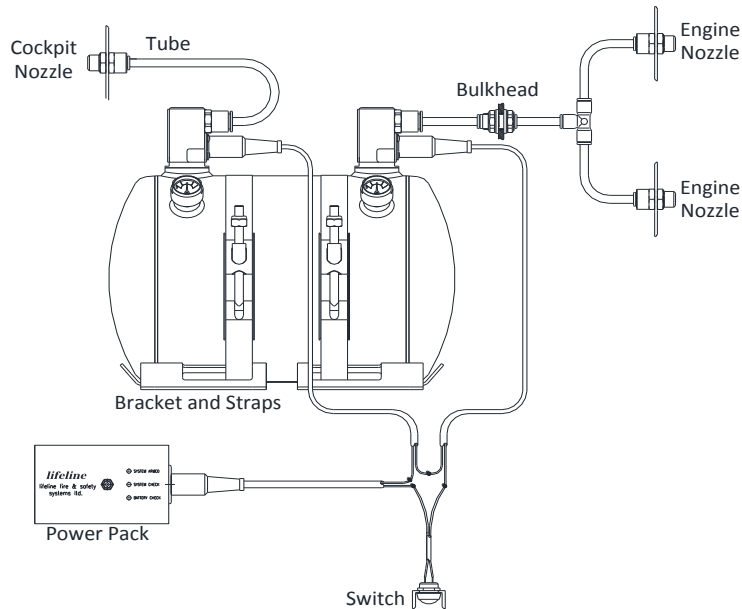
MSA 3.375ltr Electric Flow Control System
101-337-004



FIA 4.0ltr Mechanical Systems
102-400-001, 102-400-002



FIA 4.0ltr Electrical System
102-400-003



FIA 3.12ltr Dual Chamber System
102-312-001

Notes