



At Flotech Performance Systems we have drawn upon 30 years' experience in additive injection systems to develop the world's first closed loop additive calibration device - the **FLOCAL**.

FLOCAL provides accurate & repeatable calibration without exposing engineers to potentially harmful additives or vapours.

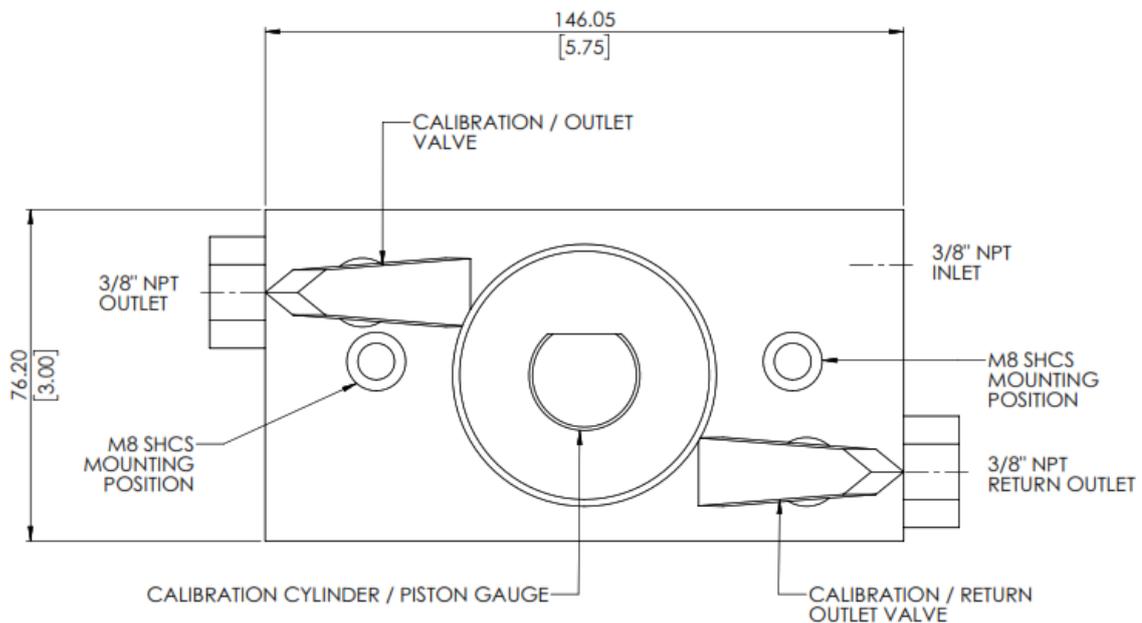
FLOCAL combines inlet diverter valve, calibration cylinder, graduated piston gauge, outlet diverter valve and sample return pump in one compact device.

FLOCAL captures additive in a built-in calibration cylinder from which volume can be read using its graduated piston gauge. Once volume is recorded, the **FLOCAL's** integral pump exhausts the contents of the calibration cylinder via a dedicated outlet which can be piped to slops or back to tank.

Benefits

The unique design of the **FLOCAL** makes it the **first true closed loop additive calibration device**. Using FLOCAL during calibration makes the process safer, quicker and more efficient.

- **Integrated calibration cylinder with graduated piston gauge** in 1cc increments provides more accurate results than using a simple calibration jar.
- **Closed loop design** means operators are no longer exposed to potentially dangerous additives.
- **Integrated sample return pump** prevents additive used during calibration from being wasted – it can simply be returned to tank.
- **Optional 100cc and 350cc Calibration Cylinders** ensure performance across a diverse range of treat rates.
- **Optional Thermal Relief Bypass** allow for thermal expansion when the unit is idle, negating the need to purge the system after use.



Modelling Code

Flow Rate	
FLO-CH	FLOCAL - High Volume - (350ml cylinder)
FLO-CL	FLOCAL - Low Volume - (100ml cylinder)

Mounting & Installation Kit	
0	Not Required
1	Mounting Kit (Stand off's & Bolts Only)

Thermal Relief Bypass Kit	
0	Not Required
1	Thermal Relief Bypass Kit

Isolation & Flushing Options	
0	Not Required
1	Isolation valves - Inlet & Outlet

Approvals	
A	ATEX / CE
X	Special

FLO-CL	1	0	0	A	0
---------------	----------	----------	----------	----------	----------

Default Identification Code

Technical Specifications

Capacity	
High Volume Cylinder	350ml
Low Volume Cylinder	100ml

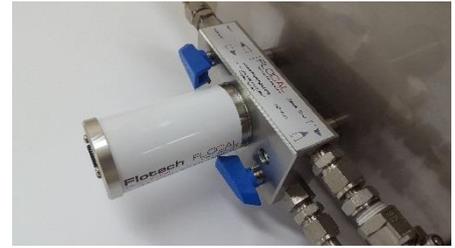
Environmental	
Temperature Range	-20 Deg C to +50 Deg C
Protection Level	ATEX II 2 Gb

Materials	
Manifold	Stainless Steel
Diverter Valves	Stainless Steel
Seals	Teflon

Mechanical	
Mounting	2 off M8
Manifold Connections	3/8" NPTF
Assembled Weight	3.6 kg
Dimensions	145mm W x 115mm H x 150mm D (Piston Gauge Retracted)
Max Design Pressure	27 Bar / 400 PSI

Operation

- 1. During normal operation**, the inlet and outlet valves of the FLOCAL are configured such that additive flow bypasses the Calibration Cylinder. When ready to calibrate, the inlet and outlet valves are directed into calibration mode.
- 2. When the calibration run commences**, the additive flow is directed into the calibration cylinder. Once the run is finished, the volume of additive received in the cylinder can be read from the Integrated Graduated Piston Gauge.
- 3. Once volume is read**, the inlet and outlet valves are returned to their original position. This returns the FLOCAL to bypass mode, allowing the integrated sample return pump to exhaust the calibration chamber via the outlet.



Flotech | ADDITIVE SOLUTIONS
PERFORMANCE SYSTEMS

Flotech Performance Systems Ltd
Unit 2 Salterns Lane Industrial Estate
Fareham, Hampshire,
UK, PO16 0SU

e: sales@flotechps.com
t: +44(0)1329 284145
w: www.flotechps.com