

Furness Controls Limited

CALIBRATED LEAKS

FCO99



- **Dimensions:**
42mm long,
19mm across Flats,
1/8" BSP female connector
- **Applications:**
Calibrating Production
Line Leak Detectors

Furness

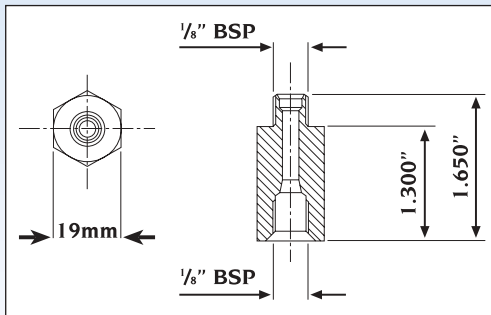
Description

The FCO99 series of calibrated leaks are designed to connect to production line pressure decay and flow type leak detectors.

The calibrated leak device uses compressed brass material to pre-set a leak rate at a certain test pressure. As there are no moving parts the device remains constant at a set pressure provided it is not contaminated by oil, dirt or water.

FCO99 Calibrated Leaks can be checked using the Furness Controls FCO210 Microcalibrator.

Diagram of FCO99 - Calibrated Leak Body

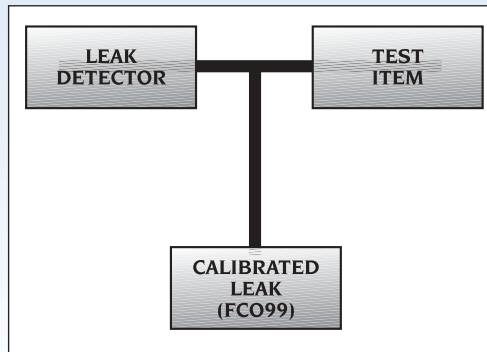


Models

| | | |
|---------|----------|------------|
| FCO99-1 | 20cc/HR | @ 150 MBAR |
| FCO99-2 | 1cc/MIN | @ 1 BAR |
| FCO99-3 | 1cc/MIN | @ 2 BAR |
| FCO99-4 | 2cc/MIN | @ 4 BAR |
| FCO99-5 | 3cc/MIN | @ 6 BAR |
| FCO99-6 | 5cc/MIN | @ 8 BAR |
| FCO99-7 | 6cc/MIN | @ 10 BAR |
| FCO99-8 | 10cc/MIN | @ 12 BAR |
| FCO99-9 | 10cc/MIN | @ 14 BAR |

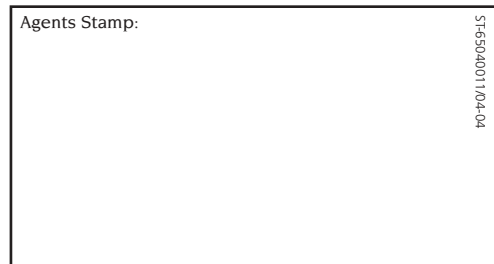
Other leak rate and test pressure combinations may be possible. Please ask Furness Controls for information on ranges available.

System Diagram



General Specifications - (full technical specification is available)

| | |
|---|------------------------------------|
| ACCURACY | ± 5% |
| REPEATABILITY | 0.1% |
| MATERIALS IN CONTACT WITH THE TEST PRESSURE | STAINLESS STEEL, PHOSPHOR BRONZE |
| WEIGHT | 73 GRAMS |
| TRACEABILITY | TRACEABLE TO UK NATIONAL STANDARDS |



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Furness Controls has a
UKAS certified laboratory
which offers pressure
calibrations from
0 to 40 kPa
and Flow from
2 ml/min
to 2000 litres/min



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