9408 series
Dissolved oxygen cartridge flow system with water wash option
Measurement made easy
A robust, compact, dissolved oxygen system for continuous on-line monitoring

Bayonet-fit flow system
• easy, no-fuss sensor removal for calibration

Choice of process connections
• BSP and NPT

Replaceable oxygen sensor
• simplifies maintenance and eliminates the need to replace the membrane

Choice of cable lengths
• to suit a wide range of installation demands

Water-wash option
• minimizes maintenance and optimizes performance
Introduction

These compact and robust flow systems complement the highly successful 9408 floating ball, dip and submersible systems and employ the well-proven 8012 oxygen sensor.

A key feature is the bayonet snap-fit connection which makes removal for calibration extremely easy and convenient. The typical life of the 8012 oxygen sensor is 12 months, although many users benefit from a much longer operational period. The sensor is extremely rugged and can be used in the most demanding environments.

Specification

Materials of construction
Glass-coupled polypropylene

Operating temperature range
–5 to 40 °C (23 to 104 °F)

Operating pressure
Atmospheric

Temperature compensation
Automatic correction by means of an integral Pt100 resistance sensor

Accuracy
±0.2 mg/l or ±2 % saturation within ±10 °C (50 °F) of the calibration temperature within the range 0 to 35 °C (32 to 95 °F)

Response
Typically 20 s for 90 % step change of oxygen concentration at 20 °C (68 °F)

Pressure rating
2 bar (29 psi)

Flow rate
2 l/minute minimum

Process connections
• ½ in. and 1 in. BSP
• ½ in. and 1 in. NPT

Cable lengths*
1, 3, 5, 10 and 20 m (3, 9, 15, 30 and 60 ft. approx.) standard options

*Note. With a suitable junction box a maximum of 100 m (300 ft.) extension cable can be used (part no. 0233/828).
### Overall dimensions

Dimensions in mm (in.)

*Note. Allow an additional 140 mm (5.5 in.) for cartridge removal*
## Ordering information

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Notes