



FICHA TÉCNICA DE PRODUTO

PRODUCT DATASHEET

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ABB MEASUREMENT & ANALYTICS | DATA SHEET

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.



Bayonet snap-fit connection

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

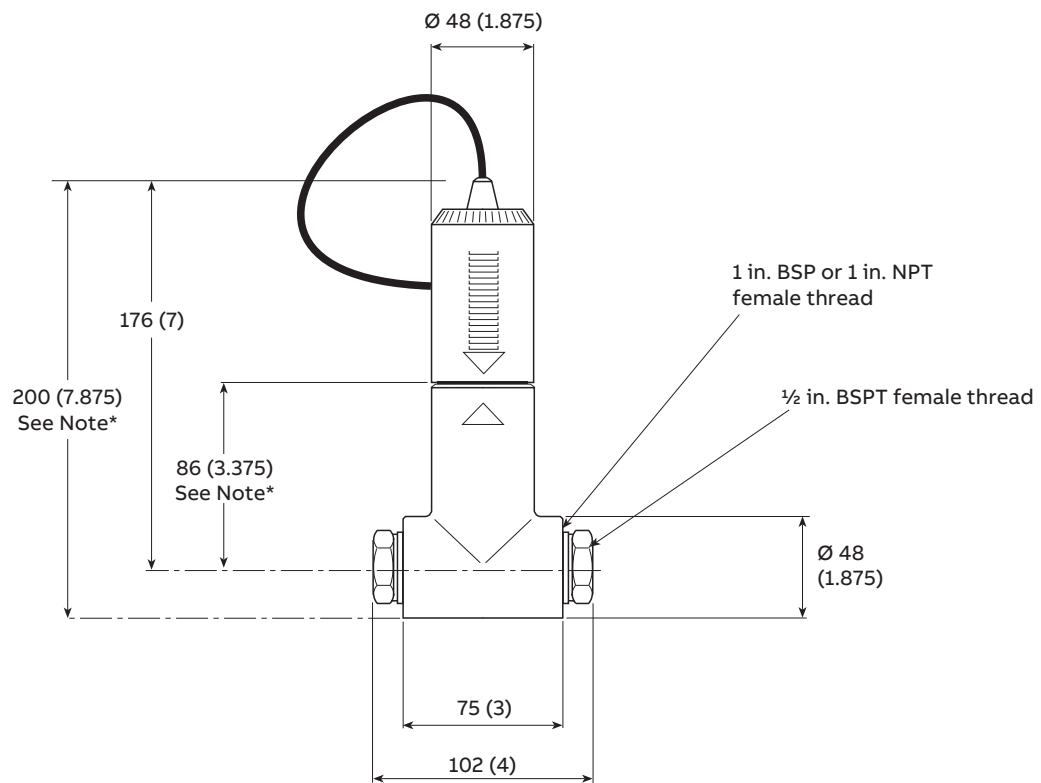
Cable lengths*

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

9408 series dissolved oxygen cartridge flow system		9408/8	X	X	X
Process connections					
1 in. BSP			0		
½ in. BSP			1		
1 in. NPT			2		
½ in. NPT			3		
Cable length					
1 m (3 ft.)				0	
3 m (9 ft.)				1	
5 m (15 ft.)				2	
10 m (30 ft.)				3	
20 m (60 ft.)				4	
Cleaning					
Without cleaning					0
With cleaning					2

Service





Notes

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	Natural Gas Measurement		Pressure Measurement
	Recorders and Controllers		Temperature Measurement

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