

Water-wash Option 9408 Series Dissolved Oxygen Cartridge Flow System

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

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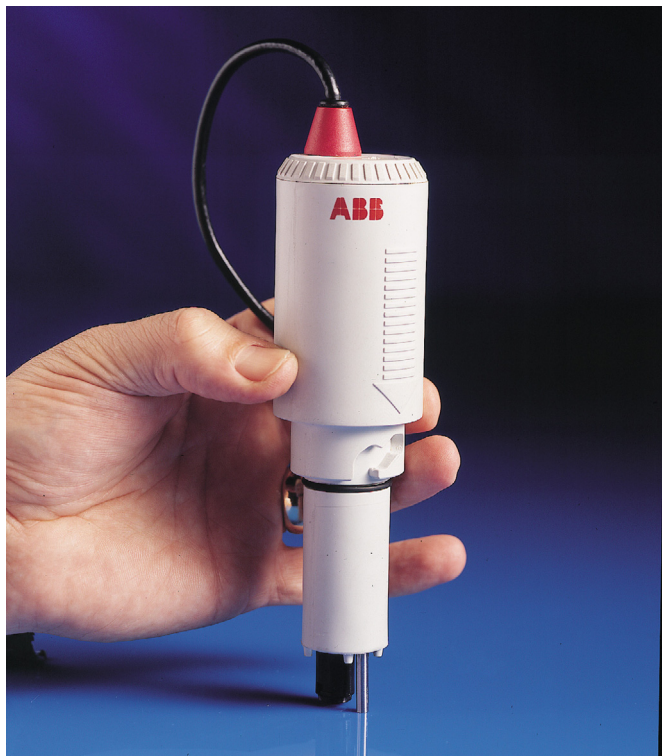
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Introduction

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

±0.2mg/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 20s for 90% step change of oxygen concentration at 20°C (68°F)

Pressure rating

2 Bar

Flow rate

2 l/minute minimum

Process connections

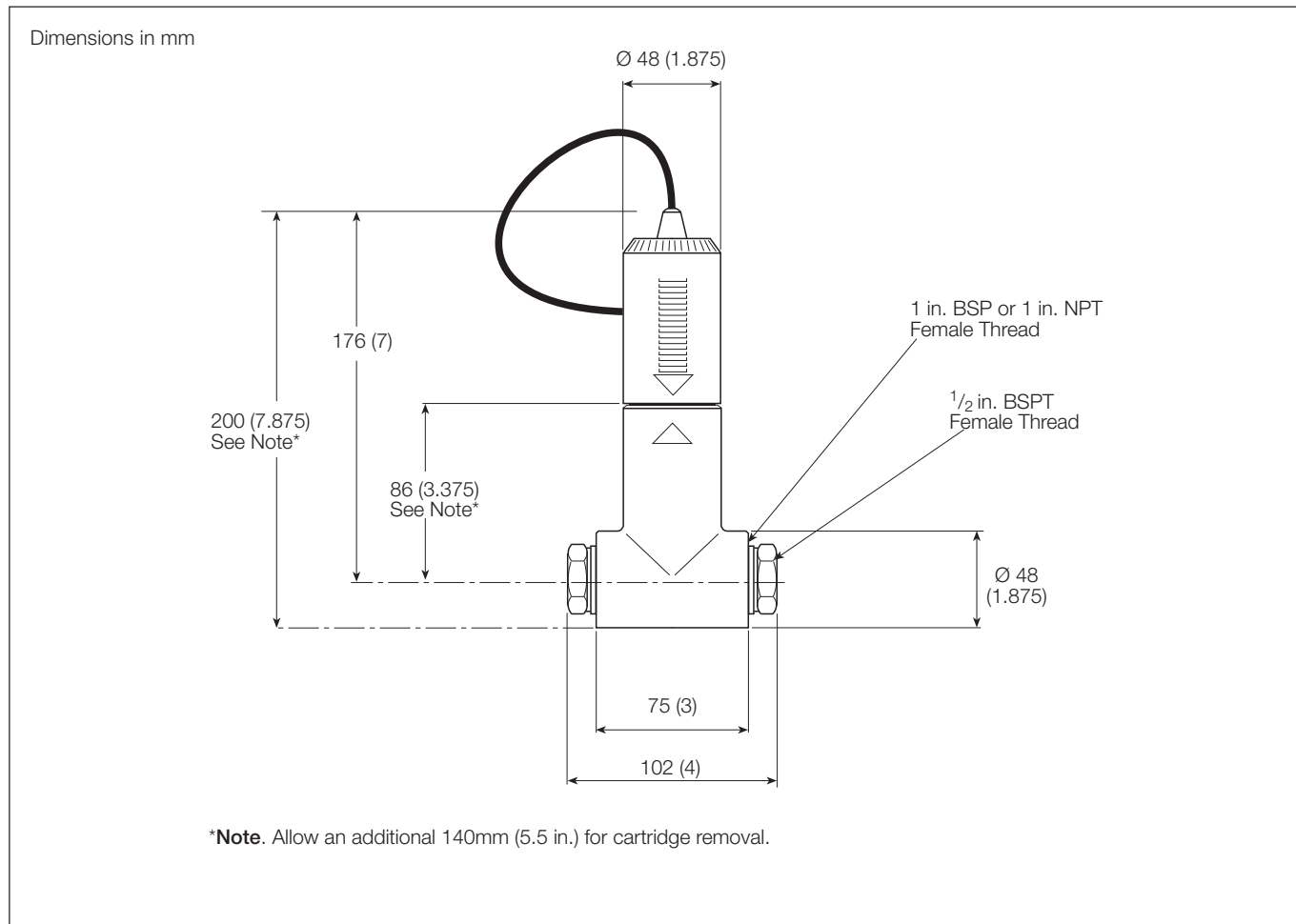
1/2 in. & 1 in. BSP and 1/2 in. & 1 in. NPT

Cable lengths*

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

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

Overall Dimensions



Ordering Information

9408 Series Dissolved Oxygen Cartridge Flow System	9408/8	X	X	X
Process Connections				
1 in. BSP		0		
1/2 in. BSP		1		
1 in. NPT		2		
1/2 in. NPT		3		
Cable Length				
1m (3 ft)			0	
3m (9 ft)			1	
5m (15 ft)			2	
10m (30 ft)			3	
20m (60 ft)			4	
Cleaning				
Without cleaning				0
With cleaning				2

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