

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

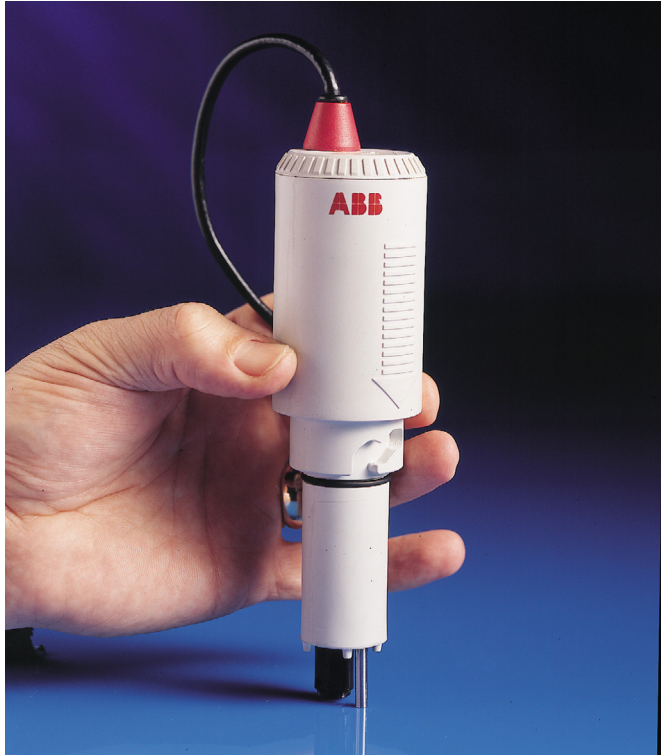
Water-wash option

- minimizes maintenance and optimizes performance

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

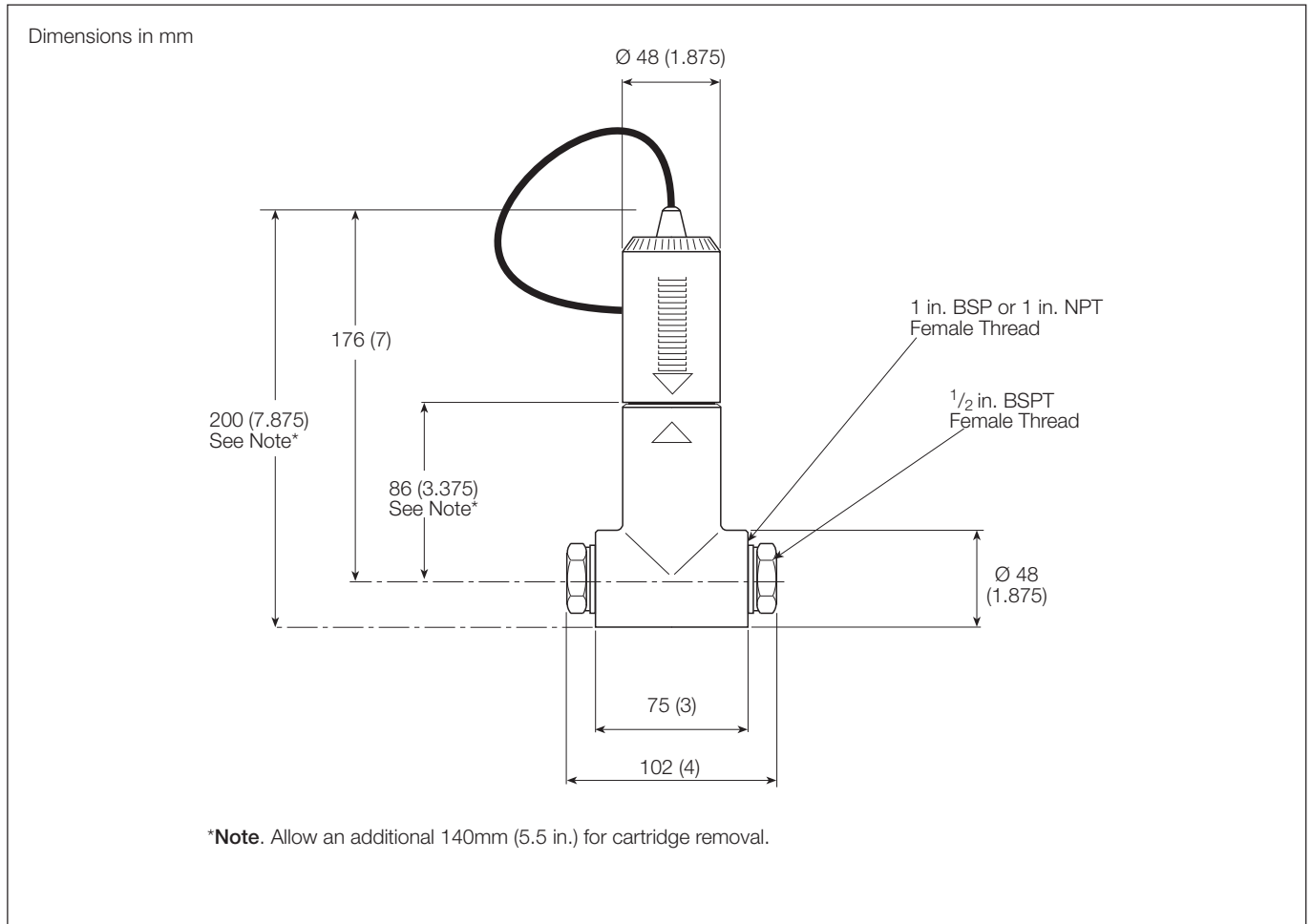
1/2 in. & 1 in. BSP and 1/2 in. & 1 in. NPT

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

Contact us

ABB Limited

Process Automation

Oldends Lane
Stonehouse
Gloucestershire GL10 3TA
UK

Tel: +44 1453 826 661

Fax: +44 1453 829 671

ABB Inc.

Process Automation

125 E. County Line Road
Warminster
PA 18974
USA

Tel: +1 215 674 6000

Fax: +1 215 674 7183

www.abb.com

Note

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents in whole or in parts – is forbidden without prior written consent of ABB.

Copyright© 2010 ABB

All rights reserved

3KXA494002R1001

DS/94/08/8-EN Rev. E 12.2010