

ITEM: INTEGRAL FLOW ORIFICE PLATE ASSEMBLY



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 WISE CONTROL	INSTALLATION & OPERATION MANUAL	DOC.NO. : C-QIM-2731- F02
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1. INTRODUCTION

The Integral Flow Orifice Plate Assmby manufactured by WISE CONTROL INC is a product manufactured in compliance with the specifications of clients. This product should be stored in the proper place. And it should surely comply with requirements such as various kinds of document, report, and instruction manual in order to maintain the optimum status of use during the period that it is used.

2. USE

It is a device to be installed in the piping or pipeline through which fluid passes, and to produce differential pressure before and after this.

3. SPEC & SIZE

Size	Rating	Design		Ambiant
		Pressure	Temperature	Temperature
1-1/2" Sch 40 / STD	ANSI/ASME 150# 300#	2.2 Mpa	-20 ~ 300℃	-20 ~ 60℃
1-1/2" Sch 80	ANSI/ASME 150# 300#	4.2 Mpa	-20 ~ 300℃	-20 ~ 60℃

4. WARRANTY

In case of arbitrary modification, change, and repair, and damage caused because of not complying with the provisions of instruction manual when the product is used, the manufacturer doesn't take responsibility, and the warranty of product is also terminated.

5. CONFIRMATION NOTES BEFORE THE INSTALLATION

- 1) Check the Tag No of Orifice Plate and whether it is a product installed at the position.
- 2) There must not be any weld contour, projecting part, and so on. And it should be checked whether there is any dent or scratch on the surface of Orifice Plate before the installation.
- 3) The inside of piping should be smooth and clean. And there must not be any foreign substances.

6. MATTERS THAT REQUIRE ATTENTION IN THE INSTALLATION

CAUTION

- 1) It should be so carefully installed that the position of Inlet (UP STREAM) and Outlet (DOWN STREAM) is not inverted, after checking the Inlet (UP STREAM) of Orifice Plate
- 2) Orifice Plate must not have any scratch. And it must not be bent. And the surface of gasket should be clean.
- 3) Orifice Plate is inserted between Body, and the corresponding gasket is inserted, and then bolt/nut should be fastened, and at this time, bolt/nut should be fastened with checking the maximum torque.

7. MAINTENANCE OF THE ORIFICE PLATE & FLANGE

WARNING

The safety regulations of site should be observed, and fluid that flows through the piping should be removed before operation, and all bolts / nuts are loosened, and then Orifice Plate can be inspected or replaced

CAUTION

A new gasket should be used when it is assembled again after the replacement. And it shall be installed with paying attention to the direction of Inlet (UP STREAM), Outlet (DOWN STREAM) of Orifice Plate

8. STORAGE METHOD AND RETURN / PACKAGING OF PRODUCT

- 1) The product shall be made not to be exposed to moisture, dust, and other pollutants.
- 2) The product shall be so kept that it is not exposed to shock.
- 3) In case of return for the purpose of repair, the original packaging or safe packaging method shall be used, and the related documents shall be also returned together with it.
- 4) The product shall not to be exposed to moisture, dust, and other pollutants in transit.
- 5) The product shall be so packaged that it is not exposed to shock in transit.
- 6) The product damaged in transit is to be recorded in the document. And all compensation according to the delay of installation can be claimed against the transport company.
- 7) The relative humidity and temperature in storage or transit should be applied under condition
– Temperature : $20 \pm 10^{\circ}\text{C}$ / Relative Humidity : Max 60%