

ITEM: VENTURI TUBE



 WISE CONTROL	INSTALLATION & OPERATION MANUAL	DOC.NO. : C-QIM-2731-F04
		REV.0
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1. INTRODUCTION

The Venturi Tube 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

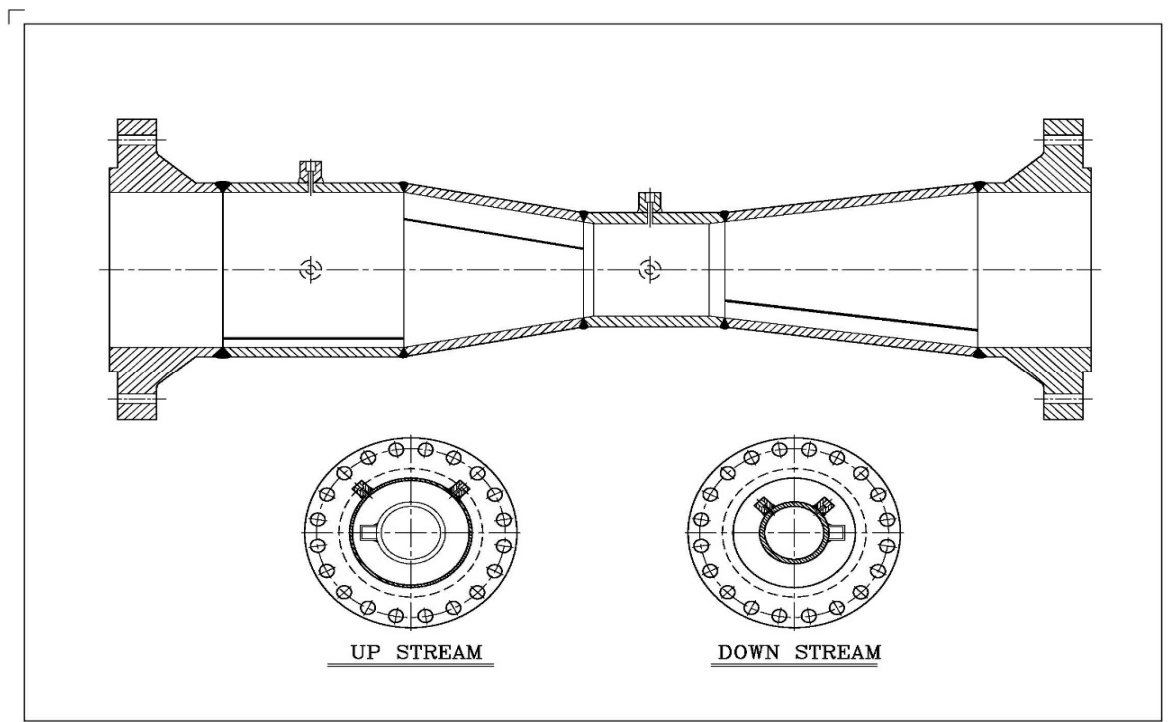
It is a device to be installed in the piping or pipeline through which fluid passes, and to produce differential pressure before and after this.

3. SPEC & SIZE

Size	End Con'n Type	Design		Ambiant Temperature	Remarks
		Pressure	Temperature		
12" / 18T (Sch 80)	Flanged / Weld in	1.25 Mpa	-20 ~ 300°C	-20 ~ 60°C	

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 Venturi Tube 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 Venturi Tube 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) Venturi Tube Check the direction of Flow careful not to change the location to install.
- 2) Ensure that the inside surfaces of the pipes are smooth and clean and that the edge preparations are in accordance with the welding procedure

CAUTION

- 3) Ensure that the flanges or weld-in Venturi Tube are concentric to the inside of the pipeline and that the pressure tapping points are aligned as per the manufacturer's or the contractor's drawing.
- 4) Ensure that all weld outlines are even. Take care to ensure that any protrusion inside the pipe is kept to an absolute minimum.
For a flanged unit, any protrusion inside the pipe must be ground off and swept clean.

CAUTION

- 5) The tapping and any associated impulse piping must be clear prior to putting into service. Check that there is no weld-spatter or any other blockages in the tapping holes and associated impulse piping. If necessary, these can be cleared by rodding out or flushing to remove any blockage. Observe any cleaning specification, for example, oxygen/pharmaceutical service
- 6) For flanged units, tighten the bolts to the maximum torque given in the relevant specifications. For weld-in units ensure that the pipe sections are concentric to the inside of the pipeline
- 7) For weld-in units ensure that the weld profile is even and that there is no excessive protrusion into the bore

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7. MAINTENANCE OF THE VENTURI TUBE



Always observe the plant safety regulations. Before beginning work, ensure pipework is depressurized and empty

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 compensatic 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%