CLAIMS

1. A method of installing a fluid control device in a continuous flow state, the fluid control device including at least a housing installed ~~in~~ on a fluid pipe in a sealed state, ~~and~~ a fluid control valve having a valve body and a valve housing insertable into a hole of the fluid pipe bored by a boring machine ~~formed~~ in the housing, the housing being provided a neck portion in one piece, an opening being formed in a side of the neck portion, and an open end portion being formed in the top of the neck portion, and wherein the fluid control valve is provided with an annular sealing member in a front end of the valve housing, the method ~~characterized by~~ comprising:

installing, at ~~an~~ the opening formed in ~~a~~ the neck portion of the housing, an operation valve device having an operation valve body dividing an inside of the housing in an openable and closeable manner;

opening the operation valve body while surrounding ~~an~~ the open end portion formed in the neck portion in a sealed state; and

inserting the fluid control valve communicating with the inside of the housing in a sealed state from the open end portion to an installation position in which the annular sealing member in ~~a~~the front end of the valve housing of the fluid control valve exceeds the opening of the neck portion so that ~~an~~ the annular sealing member seals a gap between a peripheral surface of the valve

housing and a peripheral surface of the neck portion at the installation position while an inner part side of the open end portion and an outer part side surrounding the open end portion in a sealed state have same pressure.

2. The method of installing the fluid control device according to claim 1, characterized in that the inside of the housing divided by the operation valve body is made in a communication state and air in the housing is discharged to the outside.

3. The method of installing the fluid control device according to claim 1 or 2, characterized in that the housing is a split structure for externally fitting the fluid pipe in a sealed state ~~and the hole of the fluid pipe is bored by a boring machine~~.

4. The method of installing the fluid control device according to any one of claims 1 to 3, characterized in that movement prevention means for preventing the housing from moving is installed in the fluid pipe.

5. The method of installing the fluid control device according to any one of claims 1 to 4, characterized in that the operation valve body is opened in a state that the inside of the housing divided by the operation valve body is ~~made~~ in a communication state ~~to have~~at the same pressure ~~and the operation valve body is opened~~.

6. The method of installing the fluid control device according to any one of claims 1 to 5, characterized in that a communication opening for allowing the inside of the housing divided by the operation valve body to be in a communication state is provided in the neck portion.

7. The method of installing the fluid control device according to any one of claims 1 to 6, characterized in that a communication opening for allowing the inside of the housing divided by the operation valve body to be in a communication state is provided in an operation valve housing of the operation valve device.

8. The method of installing the fluid control device according to any one of claims 1 to 7, characterized in that a holding member holding the fluid control valve provided in the housing is attached to the opening of the neck portion in a sealed state.

9. A~~n~~ device for installing a fluid control device in a continuous flow state, the fluid control device including at least a housing installed ~~in~~ on a fluid pipe in a sealed state and a fluid control valve having a valve body and a valve housing insertable into a hole of the fluid pipe ~~formed~~ bored by a boring machine in the housing, the housing being provided a neck portion in one piece, an opening being formed in a side of the neck portion, and an

open end portion being formed in the top of the neck portion, and wherein the fluid control valve is provided with an annular sealing member in a front end of the valve housing, ~~characterized by~~the device comprising:

an operation valve device which includes an operation valve body attached to ~~an~~ the opening formed in ~~a~~ the neck portion of the housing and dividing an inside of the housing in an openable and closeable manner and opened while surrounding ~~an~~ the open end portion formed in the neck portion in a sealed state; and

~~an~~ the annular sealing member that seals a gap between a peripheral surface of the valve housing and a peripheral surface of the neck portion at an installation position by inserting the fluid control valve communicating with the inside of the housing in a sealed state from the open end portion to the installation position in which ~~a~~ the annular sealing member in the front end of the valve housing of the fluid control valve exceeds the opening of the neck portion while an inner part side of the open end portion and an outer part side surrounding the open end portion in a sealed state have same pressure.

10. The device for installing the fluid control device according to claim 9, characterized in that movement prevention means for preventing the movement of the housing is installed in the fluid pipe.