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INSTALLATION & OPERATING MANUAL

SIGHT FLOW GLASS

HHG Series

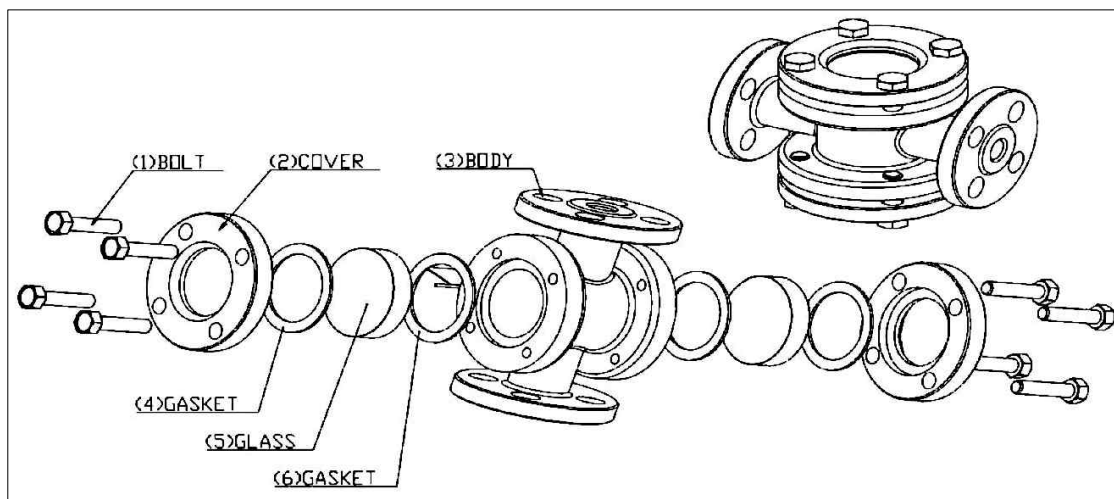


▪ HHG SERIES IS

Used for observing the state of fluid flow directly. HHG-series are consist of flapper type sight glass, drip-lip type sight glass and ball type sight glass. Flapper type sight glass can be observed depending on opening & closing of the flapper on fluid flow. And drip-lip type sight glass doesn't have flapper or ball, fluid flow can be observed by looking into the window. Finally ball type sight glass can be observed depending on moving of balls by fluid flow. HHG-series can be installed most easily and simply with flange or screw connection.

▪ ASSEMBLY PROCEDURE

- 1) Install gasket(5), gauge glass(2), cushion gasket(4) and gauge cover(3).
- 2) Insert bolt(6) to center positioned hole of gauge cover(3) and screw up nuts(7,8) in softly after adjusting correct position of gasket(5) and gauge glass(2).
- 3) Insert two bolt(6) to adjacent hole and screw up nuts in softly after adjusting correct position of gasket(5) and gauge glass(2).
- 4) Insert the rests of bolts (6) and nuts.



- 5) Screw up all nuts in accordance with the sequence for tightening cover bolts.

※ Before installing the sight flow glass, check if the pressure in the pipe has been removed and if the water has been drained.

▪ REPAIRMENT OF SIGHT GLASS

1) DISASSEMBLY

- A. Prior to any disassembly of sight glass, close both side to side cover.
 - B. Open service line should be relieved of all internal pressure.
 - C. Remove gauge glass carefully from body.
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2) CLEAN UP

- A. The glass, gasket, and cushion gasket should not be reused, even if these look perfect. Chipped or scratched glass should not be used, because such defects become points of high stress concentration.
- B. Clean up the metal surface for packing carefully, take off trace of packing and packing paste.
- C. Keep the metal surface for packing in perfect condition.

3) REASSEMBLY

Reassembly refer to the foresaid assembly procedure.

A. BOLTING TIME

First : 80% of tightening.

Second : 100% of tightening.

▪ LEAKAGE TEST AFTER REPAIRMENT

Carry out leakage test at the specified pressure.
