

ANDERSONTM

A division of the Clark-Reliance Corp.

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INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS FOR ANDERSON IM/DIM INTERNAL SEPARATORS

INSTALLATION INSTRUCTIONS

When properly installed, Anderson IM/DIM (Hi-eF) Separators are capable of eliminating liquid and solid entrainment and providing improved purity of outlet gas streams. The most common use of the IM separator is installations into new drums during fabrication. The most common use of the DIM separator is as a replacement separator in an existing vessel.

The DIM separator is always shipped assembled. If the separator cannot be passed through the manway of the vessel, it must be disassembled outside the vessel and reassembled inside. After it is once again assembled, it is mounted in place.

To re-assemble the DIM separator once inside the vessel, simply pass the bolts through the assembly clips on the outer shell of the separator and draw together with the nuts. Do not tighten fully until the unit is mounted on the outlet nozzle of the vessel.

Install stud hangers in the vessel (these hangers are not supplied by Anderson Separator).

Mount the IM/DIM separator by passing the hangers in the drum through the mounting lugs on the separator. It is essential to have good alignment between the outlet nozzle of the separator and the vessel nozzle to prevent leakage. In order to assure good alignment and a tight joint at the outlet; draw together the two halves of the DIM separator at the same time. Then tighten the nuts on the support studs of the IM/DIM.

The last step is to mount the eject pipes. The IM/DIM unit may be hydro-tested inside the vessel.

The separator must be vertically positioned within the separator drum such that, under all variations of process conditions, the bottom end of the eject pipes are immersed in the pool of condensate liquid by a minimum of two eject pipe diameters.

The separator must also be located above the condensate at such a height that, under all variations of process conditions, the liquid within the ejects is prevented from rising into the separator body.

The separator must be otherwise positioned within the separator drum such that splashing, geysering, spraying and other flows of high liquid content are prevented from entering the separator inlets.

OPERATING INSTRUCTIONS

Once the Anderson IM/DIM separator is installed, it requires no other action by the Operator. The Separator is complete in itself, and will function whenever there is flow through the Separator.

MAINTENANCE INSTRUCTIONS

There is no required maintenance with this Separator, other than periodic inspection of the internals being required to assure that no damage has occurred by potential over pressurization of the system, or by an incoming liquid slug. Also, the drains and the eject pipes should be checked. Cleared any debris or sediment blocking the drain. Once the Separator has been placed into service, no other maintenance is required other than the normal maintenance afforded the vessel internals.