

# Nuclear Grade Air Trap (NGAT™)



In order to ensure safe and reliable operations, U.S. nuclear plants must manage gas accumulation in safety-related fluid systems.

To address this need, AREVA is now bringing the nuclear industry, through an exclusive agreement, NUCCORP Inc.'s Nuclear Grade Air Trap (NGAT™), the safest and most effective way to manage gas accumulation. NGAT is the only complete solution that allows you to effectively verify, measure, and eliminate gas in station systems.

## Increased Safety

The winner of the 2012 Vendor Top Industry Practice (TIP) award, the NGAT offers the industry increased safety benefits. The NGAT eliminates the need for labor and time-intensive Ultrasonic Testing (UT) inspections, which promotes ALARA principles.

In addition, the NGAT defines when Emergency Core Cooling Systems are full for technical specification compliance on a full-time continuous basis rather than periodically, enhancing nuclear safety and allowing for literal compliance. It eliminates the need for periodic, random venting by providing a continuous indication of air/gas.

The passive and simple design requires no electricity. Built under NUCCORP's ASME NQA-1 program, each design and unit has the highest quality.

AREVA can work with your site to design and build a system to each utility's needs. The design allows for easy retrofit of existing conventional vents bringing you a safer and more effective means to manage gas accumulation.



## Features and Benefits

- Significantly reduces cost by eliminating the need for labor and time-intensive UT inspections
- Designed per Section III of the ASME Code and is fabricated from safety-related ASME materials
- Allows for removal of air/gas before it has a chance to enter main safety-related piping
- Indication can be local, remote or both
- NGAT is a go/no-go indication that voids are present by quick visual observations, eliminating human error in the interpretation of data
- Air/gas can be removed without elevated platforms or scaffolding
- Four years of flawless operation in the field with ZERO need for UT





AREVA is now the exclusive channel to the nuclear market for NUCCORP's Nuclear Grade Air Trap™

- Promotes ALARA principles
- Eliminates the need for UT evaluations
- Allows for complete compliance with NRC Generic Letter 2008-01
- Proven effective in safety-related fluid systems
- 10CFR50 Appendix B safety-related quality (ASME NQA-1)

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