MODEL **BTD**



Bubble Tight Damper

Performance Data

AIR LEAKAGE TEST

The complete pressure boundary of the damper housing shall be leak tested at 3800 Pa per the "Pressure Decay Method" in accordance with ASME N510-1995 "reaffirmed", "Testing of Nuclear Air Treatment Systems", Paragraphs 6 and 7. Pressure readings are recorded once a minute until pressure decays to 75% of the test pressure or for 5 minutes. The housing shall not exceed a leak rate of 0.0005 CFM per cubic foot of housing volume. The damper blade and shaft seals shall be tested in the closed position at 2500 Pa and shall be bubble-tight when tested in accordance with ASME N509-1996 class 1. The blade shall not exceed a leakage rate of 0.029 CFM per inch of circumference of blade.

PRESSURE DROP DATA

This pressure drop data was conducted in accordance with ANSI/AMCA Standard 500-D. All data has been corrected to represent standard air at a density of 1.2 kg/m3. Actual pressure drop found in any HVAC system is a combination of many factors. This pressure drop information along with an analysis of other system influences should be used to estimate actual pressure losses for a damper installed in a given HVAC system



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