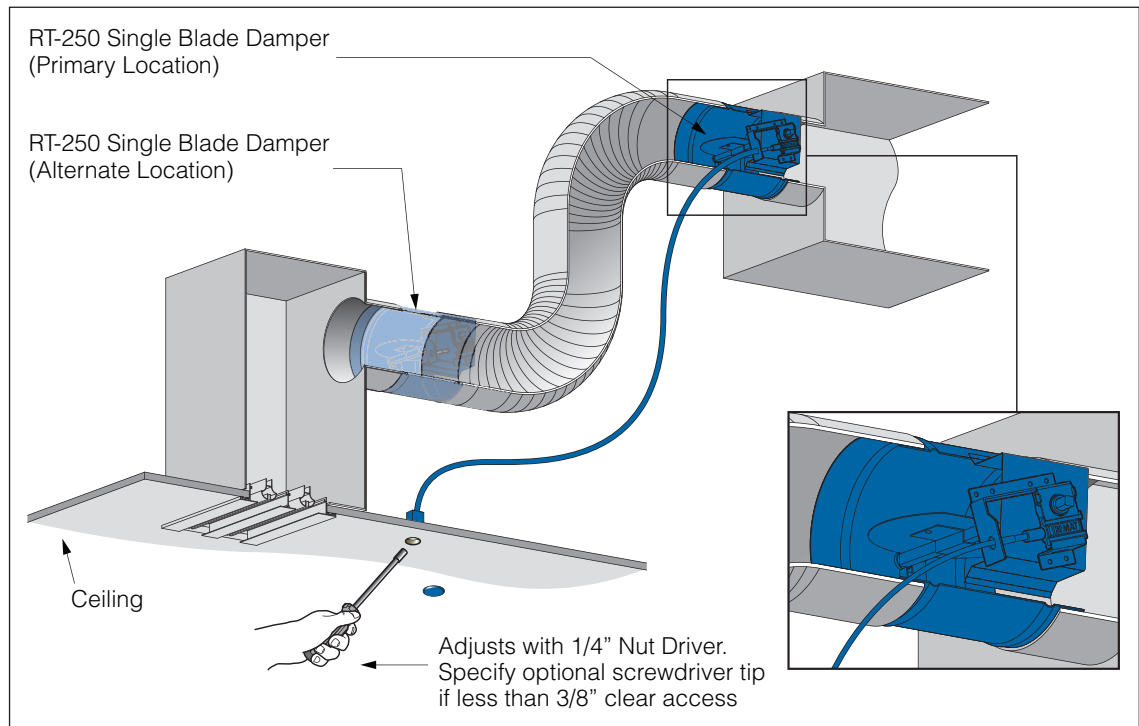


The RT-250 (Single Blade) Specifications



Standard Construction

Furnish cable operated remote controlled volume dampers in ducts located in inaccessible ceilings and where otherwise indicated. Reference architectural drawings for locations of gypsum board, spline etc. ceilings and other inaccessible damper locations. Damper frame (sleeve) construction shall be 20 gage (.91mm) roll formed, galvanized steel with beads at each end. Blades shall be 20 gage (.91mm) round single piece design, mechanically attached to the axle with support brackets. Axles shall be 3/8" (9.52mm) square plated steel with molded synthetic bearings housed in the damper frame. Damper control shaft shall be 3/8" (9.52mm) square shaft, minimum of 3" (75mm) long. Dampers shall be adjusted via a universal worm gear drive that is actuated by an unsheathed rotary cable which is captured at the damper end by a shaft coupling integral to the worm gear assembly. The rotary cable shall be terminated at the ceiling line or in a wall opening and concealed inside a ceiling/wall cup (RT-CCS, RT-CCR or RT-CCM) that is secured to the ceiling (or wall) framing. The cups shall provide a secure, unobtrusive appearance flush with the finished wall or ceiling. The universal damper drive shall be furnished as a complete assembly with universal mounting capabilities to accommodate damper shaft sizes from 1/4"-3/8" square (6mm - 9.5mm), or 1/4"-1/2" (6mm- 12.7mm) round. The drive unit construction shall consist of a 14 gage galvanized mounting bracket, an aluminum worm and gear, and a black oxide coated steel drive shaft/cable coupling. Cable support clamps shall be factory furnished as required by the cable length. Ceiling Cup, rotary cable, and worm gear (damper drive system) shall be furnished as one piece for installation in the field with no linkage adjustment required or miscellaneous small parts. Direct, two-way damper control shall be provided without sleeves, springs, or screw adjustments (that may loosen after ceiling closure). Cable operated dampers shall be furnished with RT-WGA worm gear assembly and RT-CCR, RT-CCM, or RT-CCS Ceiling Cups.

RT-250 dampers are also available in stainless steel.

US Patent #5,702,298 Canadian Patent #2,185,311