

EXAMPLE:

Existing Air Terminal: Titus Model 8" TDH Dual Duct
Internal Regulators: 3
Design Flow Rate: 700 CFM Constant Volume
Min Operating Ps (graph): .75" w.g.

Operating Pressure Reduction: .75" - .27" = .48" w.g.

Note that the benefit of reduced operating pressures is minimized when working at high flow ranges, therefore the RF-13 flow range should be limited to .45" w.g. signal pressure.

Verification of the existing pneumatic actuator spring range is required for dual duct sequences.

Retrofitted Assembly

New VAV Design Flows: 700 CFM / 400 CFM
Retrofit Valves: (2) RF-13, each operating at 350 CFM / 200 CFM
RF-13 Flow Range: 445 - 135 CFM (based on .45 - 1.0" signal pressure)
Min Operating Ps (graph): .27" w.g.

GRAPH 13

