



TFP

Series flow fan powered terminals offer enhanced space comfort and flexibility in a wide variety of applications.

Considerable operating savings can be achieved through the recovery of waste heat, reduced central fan horsepower requirements and night setback operation. IROX Terminal Boxes Type "TFP" take primary and induced air and mix the two thoroughly to provide a constant air supply to the occupied zone of the building. Total flow to the diffuser is kept substantially constant thus giving very good air distribution even with high turn down of the primary air volume.

A pressure independent control of the primary VAV damper is accomplished by use of a differential pressure grid which gives accurate control of air flow even with a 90° bend on the inlet spigot. Mixing between the primary air stream and the induced warm air from the ceiling void is by a forward curved blade centrifugal fan with direct drive motor.

TROX Series Fan Terminal Boxes are eminently suitable for low temperature air applications. If the supply air temperature is low, then the fan volume flow rate must be higher than the primary air volume flow rate to ensure suitable air temperature at the diffuser. The design of the type TFP ensures that at 100 % primary air, sufficient induced air is mixed with the primary air so that the air discharged has a conventional cooling differential which will not cause draught problems in the space being conditioned. The primary air damper can also be fully shut, with 100 % recirculated or induced air.