ATFS™-400-31

SUSTAINED G AND DYNAMIC G TRAINING

The ATFS-400-31 dynamically generates G-forces in all desired axes simultaneously to authentically replicate the stresses of the tactical flight environment. With aviation and space training applications available, as well as high-definition visual display capability, the ATFS-400-31 provides the ultimate versatility in a high-G human centrifuge.

AIRCREW TRAINING SYSTEMS

The ATFS-400-31 system provides an immersive virtual battlespace experience by realistically simulating G-forces during combat scenarios, allowing pilots to train for real-life operations and conduct mission sorties in real-time.

The ATFS-400-31 utilizes advanced simulation capabilities to recreate a wide range of training and operational scenarios, providing aviators with a realistic flight environment that includes physiological stressors. A variety of training scenarios and profiles can be created to meet the needs of all pilots, from those just starting out to advanced tactical fliers.

MAX ONSET RATE: 15 G/sec
TOTAL POWER: 4,700 HP

ARM LENGTH: 31 FT
MAXIMUM G: 20 G

APPLICATIONS

Dynamic Flight Simulation for Tactical Training
Pilot-controlled Dynamic G Training
Conventional G Training
Operational Research and Evaluation
Spaceflight Training Configurable

SYSTEM CONTROL

Precise G axes alignment for G_x, G_y and G_z
Motion algorithms for motion artifact reduction
User customizable training flight profiles
Independent Safety Computer and Interlocks
Man-Rated Design

COCKPIT

Flyable cockpit with active flight controls
Interchangeable cockpit modules
Pilot breathing system configurable
Simulated weapons system configurable

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AIRCREW TRAINING
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