

FST & FSB CUBE SYSTEM DIMENSIONS (inches)				
	FST/FSB - 2020	FST/FSB - 2424	FST/FSB - 3030	FST/FSB - 3636
CHAMBER DIMS (INSIDE)	20 X 20 X 20	24 X 24 X 24	30 X 30 X 30	36 X 36 X 36
PLATEN SIZE (L X W)	19 X 19	23 X 23	29 X 29	35 X 35
DEVICE UNDER TEST (DUT) VOLUME (L X W X H)	19 X 19 X 16	23 X 23 X 20	29 X 29 X 26	35 X 35 X 32

FST & FSB CYLINDRICAL SYSTEM DIMENSIONS (inches)				
	FST/FSB - 1824	FST/FSB - 2430	FST/FSB - 3036	FST/FSB - 3640
CHAMBER DIMS (INSIDE)	17.5 X 24	23.4 X 30	29.5 X 36	35.5 X 40
PLATEN SIZE (L X W)	22 X 14	28 X 20	35 X 24	40 X 24
DEVICE UNDER TEST (DUT) VOLUME (L X W X H)	22 X 14 X 19	28 X 20 X 11	35 X 24 X 14	40 X 24 X 22

PORTS, FEEDTHROUGHS, PLATENS, AND SHROUDS



TVAC & BAKE-OUT ACCESSORIES



REFRIGERANT COLD FINGER



CELLULAR REMOTE SUPPORT



SPARE PORTS & FEEDTHROUGHS



LN2 COLD FINGER

HVC-3500 CONTROLLER



- Included with all standard Frontier systems
- 20 customizable recipes
- Full system integration
- Automated vacuum & temperature control
- Data logging
- Remote access



THERMAL VACUUM TESTING SYSTEMS

FRONTIER TVAC and Bake-Out Systems put you in control with affordable and easy-to-configure systems that replicate the extreme temperature and vacuum environments for your specific application.

FRONTIER TVAC SYSTEMS

FRONTIER BAKE-OUT SYSTEMS

FST CUBE & CYLINDRICAL TVAC SYSTEMS

STANDARD

FSB CUBE & CYLINDRICAL BAKE-OUT SYSTEMS



STANDARD CONFIGURATION OPTIONS

FST & FSB Models

Standard chamber sizes include:

Cube:	Cylindrical:
20" x 20" x 20"	18" DIA x 24" L
24" x 24" x 24"	24" DIA x 30" L
30" x 30" x 30"	30" DIA x 36" L
36" x 36" x 36"	36" DIA x 40" L

Standard features include:

- Turbo pump with gate valve
- Dry roughing pump
- Viewport with LED Lighting
- ISO-17025 Calibrated Vacuum Gauges
- Spare ports
- Configured to your requirements
- Meets NASA launch standards
- Vacuum: ATM to 10^{-7} Torr
- High vacuum bake-out
- Fully integrated & tested
- Electrical & T/C feedthroughs
- Proprietary platen & shroud technology
- Thermal cycling options:
 - LN2 & electrical heat: -150°C to 150°C
 - Recirculation chiller: -70°C to 150°C



FCT TVAC SYSTEMS

CUSTOM

FCB BAKE-OUT SYSTEMS



CUSTOM CONFIGURATION OPTIONS

FCT Models

FCB Models

Cube chamber sizes of 40", 48", or 60"
Cylindrical chamber sizes of 48", 60", or 72" diameter, any length

- Pullout platens
- Custom shrouds
- Double door
- Custom feedthroughs
- Optional cryo-pumps
- Optional controls
- Internal shelf heating
- External Wall Heating
- Cooling circuits for fast cool down
- High vacuum performance down to 10^{-6} torr
- Optional RGA heads

