BROOKLYN TOOL



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- Founded in 1960
- Nearly 60 years exclusive to cyrogenic storage products
- 3rd generation family-owned business
- Woman-owned and operated business
- We are the manufacturer of our products and we fabricate all of our products in Fridley, MN
- Cryo industries served:
 - Human & Animal health
 - IVF
 - Animal artificial insemination
 - Long-term storage
 - Transportation/Logistics

HIGH EFFICIENCY CRYOGENIC FREEZER STORAGE CONSIDERATIONS:

WHAT IS BEING STORED?

1

Boxes or Vials

May need standard or slimline racks

2

Bloodbags

May need cassettes (canisters)
 & frames

3

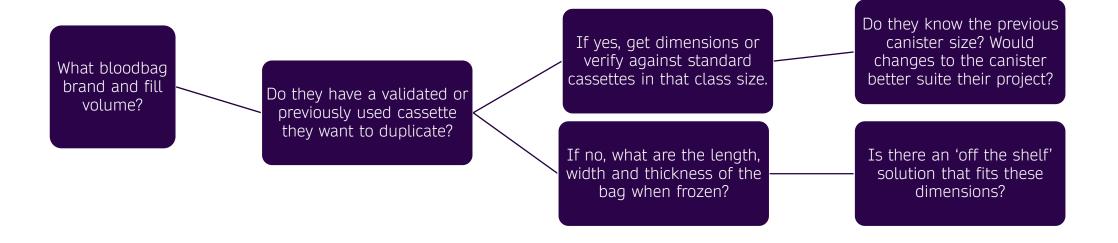
Cryocanes

• May need SUC-1 canisters

4

What else are you seeing?

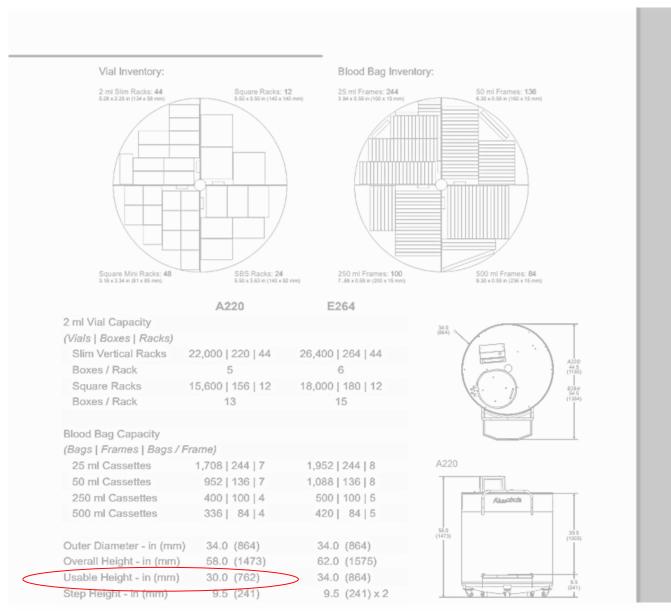
BLOODBAG DECISION TREE EXAMPLE



'BEST FIT' FRAMES & CASSETTES

- 1. Cost-effective
- 2. Fit the bloodbag comfortably inside the cassette
- 3. Maximize the storage capacity of the freezer while meeting #1 & 2
- 4. Maximize the user experience. May include:
 - 1. Anodized ID tags on frames
 - 2. Cut-outs or ID labelling on canisters
 - 3. Spring clip or other security features
 - 4. Part # on rack, etc.

CONSIDER THE FREEZER SIZE & PORTION BEING FILLED





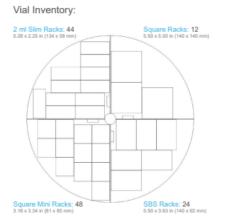
EXAMPLE RECOMMENDATION

- 1. Use the customer's filled bag size \rightarrow best cassette (and matching frame type)
- 2. Use the customer's freezer model's internal useable height
 - 1. Will determine max # of cassettes/height for frames
- 3. If 30" usable height freezer, 250-750ml cassette that is 6" tall \rightarrow will allow for 4-cassette tall frame.
 - 1. MOST frames will leave excess room of .090-.125" for two reasons:
 - 1. Want cassette to stay inside but also be easily removed
 - Allows you to more likely accommodate variability across different brands of canisters in the same class while still maximizing storage capacity

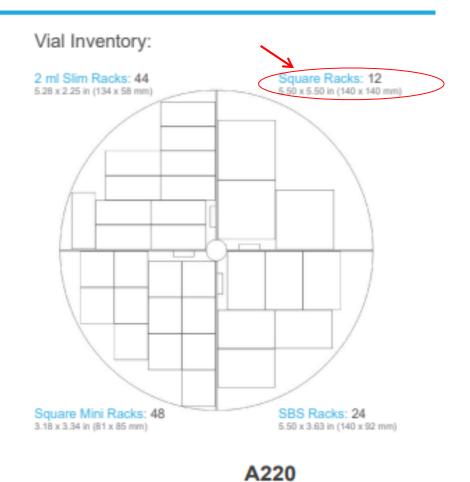
Final consideration for internal canister height:

Canister height + excess usable space per slot + thickness of material + handle height <= internal usable height of tank

FREEZER BOX & VIAL STORAGE

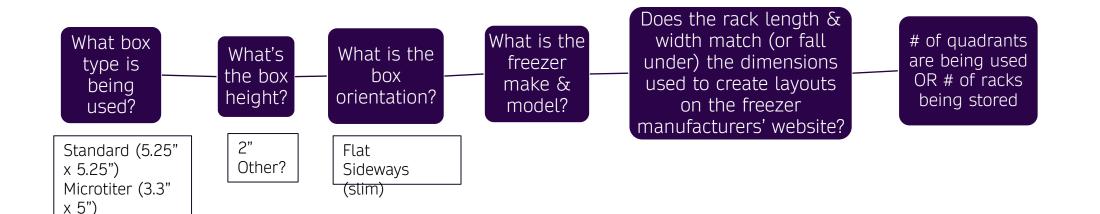


	A220	E:
2 ml Vial Capacity		
(Vials Boxes Racks)		
Slim Vertical Racks	22,000 220 44	26,400
Boxes / Rack	5	
Square Racks	15,600 156 12	18,000
Boxes / Rack	13	
Blood Bag Capacity		
(Bags Frames Bags / F	Frame)	
25 ml Cassettes	1,708 244 7	1,952
50 ml Cassettes	952 136 7	1,088
250 ml Cassettes	400 100 4	500
500 ml Cassettes	336 84 4	420
Outer Diameter - in (mm)	34.0 (864)	34.0
Overall Height - in (mm)	58.0 (1473)	62.0
Usable Height - in (mm)	30.0 (762)	34.0
Ot 11-1-1-1 / / / / / /-	0.5 (0.44)	0.5



BOX & VIAL DECISION TREE EXAMPLE (SAME PROCESS, DIFFERENT PRODUCT)

Mini box



EXAMPLE RECOMMENDATION

- Recommend standard rack
 - 1. Cross-check that rack height falls under tank usable height
 - 2. Cross-check that rack outside length & width matches assumptions used to create layouts in product manual
- Guide customer to make the decision that best fits their priorities
 - Is it maximizing storage?
 - Is it a custom solution and layout?
 - Are there value add features to enhance user experience or eliminate current pain points?









PRODUCT OFFERINGS/FEATURES











OUR PRODUCTS

A SOLUTION-BASED BUSINESS

- High-touch, responsive customer service,
 with customizable product, is the main draw
 for our consumers to our product
- Design is clean, reliable and easy to use
- On-site manufacturing allows for endless customization and helps in controlling and driving lead-times

PRODUCT LINES

- Cryo canes & ID Tabs
 - Primarily used by animal breeders, IVF clinics and vaccine manufacturers
- Inventory Management Systems
 - Products related to bulk storage tanks, upright freezers, cryo-shippers, etc.
 - Primarily used by hospitals, research labs and freezer manufacturers/distributors

GEOGRAPHIC SCOPE



Ship direct, world-wide.



Mostly US-based.

^{*} Our target customer may be based anywhere in the world. They value quality products and exceptional customer service from a trusted partner.

THANK YOU