



Tafonius Circuit Volumes

Scope: This document applies to Tafonius and Junior models as they share the same construction.

Variable Volumes:

2" Patient tubes:

60" long = 3.0L per limb = 6.0L total, or

78" long = 4.0L per limb = 8.0L total

22mm Foal Patient Tubes (60"): 0.60L per limb = 1.20L total

Empty Soda-Lime tray: 9.0L

Filled Soda-Lime tray : 4.25L - assumes 30% air between soda-lime granules and filled to fill-line (This will vary with type of soda-lime)

Piston: 0.0 to 20.0L

Fixed Volumes:

Valve Block: 1.0L

Descending tubes: 2.0L + 2.0L = 4.0L total

Volume above absorber pan/below soda-lime tray: 1.8L

Total fixed volume = **6.8L**

Example:

Circuit Volume with 2 x 60" patient tubes and a full soda-lime tray:

$2 \times 3L + 4.25L + 6.8L = \mathbf{17.05L}$