

VAC-U-VEST

By **ROBOTECH DEVELOPMENTS**, England

Investment Powder mixing and pouring under vacuum

Machine range



Vac-U-Vest #5 & 5-25 tall

Bench mounted machine
5 kgs dry mix
Three—4" dia flask, or
Two—4" flanged flask



Vac-U-Vest #10 & 15

#10 — 10 kgs dry mix
#15 — 15 kgs dry mix
#10—four flasks 4" dia flanged
#15—six flasks 4" dia flanged



Vac-U-Vest #20

20-25 kgs dry mix
Eight flasks 4" dia flanged

VACUUM MIXING & POURING of INVESTMENT POWDER

- Eliminates AIR BUBBLES from investment
- Consistently mixes investment
- Reduces rejects
- Easy to use, in line with all types of casting machines
- Reduces exposure to harmful silica dust
- Allows the full advantages of using Vacuum Casting technology to be realised.



Vacuum pump for Vac-U-Vest #10



Prepared flasks



Mixing under vacuum



Cleaning out before next cycle

Operation



Loading powder & water



Pouring under vacuum



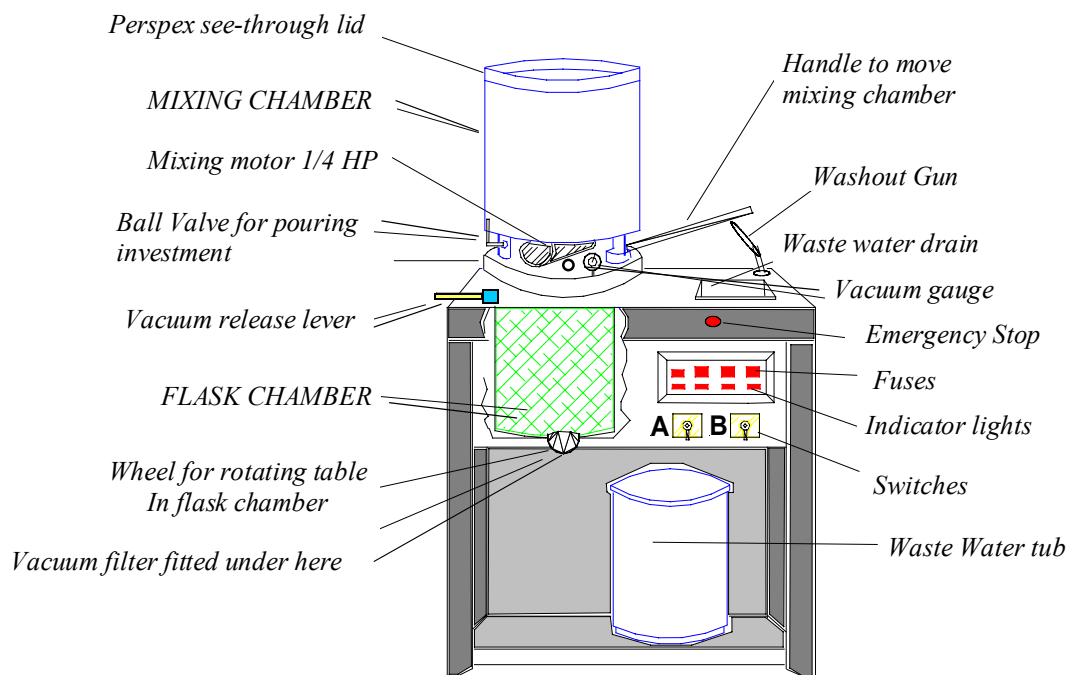
Retrieving filled flasks

VACU-U-VEST

<i>Machine Specification</i>	<i># 5 & (#5-25)</i>	<i># 10</i>	<i># 15</i>	<i># 20</i>
<i>DRY powder mix:</i>	11 lbs (5 kgs)	26 lbs (12 kgs)	33 lbs (15 kgs)	55 lbs (25 kgs)
<i>SLURRY mix cap</i>	18 lbs (8 kgs)	38 lbs (17 kgs)	57 lbs (26 kgs)	77 lbs (35 kgs)
<i>Max. Flask Height:</i>	5½" & (9")	9" (228 mm)	10¼" (260 mm)	12" (300 mm)
<i>Flask chamber dia</i>	10 "(254 mm)	13¼ "(337 mm)	15¾" (400 mm)	20 7/8" (530 mm)
<i>No flasks 4" flanged (150 mm)</i>	2	4	6	8
<i>Vacuum:</i>	8 CFM, 28.5" Hg	10 CFM, 28.5" Hg	15 CFM, 28.5" Hg	40 CFM, 28.5" Hg
<i>Dimensions:</i>	24" x 23" x 30" H	24" x 28" x 54" H	27" x 32" x 60" H	42" x 28" x 62" H
<i>Gross weight:</i>	156 kgs / 277 lbs	255 kgs / 563 lbs	280 kgs / 618 lbs	485 kgs / 1069 lbs

VAC - U - VEST operation:

- 1) *Load flasks into Chamber*
- 2) *Use handle to swing Mixing Chamber over Flask Chamber and lock it.*
- 3) *Add measured water first, then investment. Place Perspex lid on top.*
- 4) *Turn Switch A to "Mix/Vac" and Switch B to "Vacuum".*
- 5) *Allow to mix for 4-5 minutes, dependant upon investment powder being used.*
- 6) *Use ball valve to pour investment into each flask. Rotate table to move flasks under pouring spout.*
- 7) *Turn Switch A (mixer) off.*
- 8) *Turn switch B off to shut off vacuum pump.*
- 9) *Release vacuum.*
- 10) *Remove flasks and set aside to harden.*
- 11) *Immediately clean Vacu Vest.*
- 12) *Swing Mixing Chamber over waste area. Leave lid on.*
- 13) *Turn Switches A&B to "Wash" to automatically wash out Mixing Chamber. Use washout gun as needed.*



VACUVEST 10 & 15