APV FAMILY

General Facts

• The APV’s ballistic panels utilize the military-style BALCS (Body Armor Load Carrying System) shape and sizing system
• The APV is available in eight (8) sizes and comes standard with front and back ballistic panel protection only
• The front and back ballistic panels that fit the APV carrier graduate up/down 4-inches in circumference for each larger/smaller size
• It is recommended that there be a minimum 2-inch to 4-inch front to back overlap of the front and back panel’s outer wings
• The sizing chart on page 2 is a general estimate of girth and chest ranges. Most individuals will have one measurement outside of a particular size range. Lean towards a larger size in most instances
• The true measurement chart on page 3 is the true measurement of the ballistic panel and is a good reference for addressing proper lengths
• It is not necessary to take a length measurement when sizing the APV vest as the sizes are based on girth only
• When sizing the APV QR – please use this section as your guideline

STEP 1A - Loosen Shoulder Straps and Cummerbunds

STEP 1B - Attach and Insert any Optional Accessories and/or Plates to the Carrier

STEP 2 - Shoulder Adjustment and Sizing Requirements:
Shoulder adjustment is crucial to having proper vest height - Proper vest height not only ensures that the soft ballistic panels cover the torso area of the body to but also ensures that rifle plates sit at the proper height within the front and back plate pockets
• Have the officer don the vest
• Adjust the shoulder straps until the neck scoop on the front of the vest lines up with the officer’s clavicle notch and the neck scoop on the back of the vest lines up with the imaginary horizontal plane of the top of the shoulders

STEP 3 - Internal Cummerbund Adjustment and Fit Requirements:
• With the internal cummerbund detached from the vest, attach the hook and loop portions of the two separate pieces together and have the officer hold the attached pieces on the stomach over the navel.
• Eye up the officer’s lower torso and estimate where the internal cummerbund will attach to the back carrier – proceed to attach, via modular webbing, to the outer wings on the back of the vest
• Adjust internal cummerbund until officer feels most comfortable

STEP 4 - Outer Cummerbund Side Adjustment and Fit Requirements:
• A standard 2-inch to 4-inch front to back overlap of the front and back panel’s outer wings is necessary
• Start with the outer cummerbund detached from the vest, take both sides and attach the hook portion to the front vest’s loop platform. Attach in a manner in which the hook and loop is not completely covered (this will allow the officer to pull the outer closure snug if desired)
• Next eye up the AWS row where the back portions of the outer cummerbunds will connect to the back of the vest
• Eye up the relation of the front and back panel’s outer wings – if the overlap is not in the recommended minimum range of 2 – 4 inches then assess correct vest size
• Note that each size up or down will add/subtract 4 inches total to circumference equaling a 2-inch +/- change on each side
  • 2” – 4” overlap = perfect size, proceed to address length
  • Under 2” overlap – Butting up = go up one to two sizes
  • Butting up – under 2” gap = go up two sizes
  • 2” – 5” gap = go up three to four sizes
• Fasten the back of the outer cummerbund to the AWS on the back of the vest. Repeat until you have sufficient overlap of the front and back panel’s outer wings
• Have the officer pull the outer cummerbunds front hook and loop attachment snug and confirm comfort and proper overlap

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**APV – CARRIER SIZING CHART**

<table>
<thead>
<tr>
<th>Vest Size</th>
<th>Girth Range</th>
<th>Chest Range</th>
<th>Length</th>
<th>Vest Size Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>26” – 30”</td>
<td>31” – 34”</td>
<td>Regular: 13.625”</td>
<td>SMRRR</td>
</tr>
<tr>
<td>Medium</td>
<td>31” – 35”</td>
<td>35” – 38”</td>
<td>Regular: 14.125”</td>
<td>MMRRR</td>
</tr>
<tr>
<td>Large</td>
<td>36” – 40”</td>
<td>39” – 42”</td>
<td>Regular: 15.125”</td>
<td>LGRRR</td>
</tr>
<tr>
<td>Large Long</td>
<td>36” – 40”</td>
<td>39” – 42”</td>
<td>Long: 17.125”</td>
<td>LGRLL</td>
</tr>
<tr>
<td>1X-Large Regular</td>
<td>41” – 45”</td>
<td>43” – 46”</td>
<td>Regular: 16.125”</td>
<td>1XRRR</td>
</tr>
<tr>
<td>1X-Large Long</td>
<td>41” – 45”</td>
<td>43” – 46”</td>
<td>Long: 18.125”</td>
<td>1XRLL</td>
</tr>
<tr>
<td>2X-Large Regular</td>
<td>46” – 50”</td>
<td>47” – 50”</td>
<td>Regular: 17.125”</td>
<td>2XRRR</td>
</tr>
<tr>
<td>2X-Large Long</td>
<td>46” – 50”</td>
<td>47” – 50”</td>
<td>Long: 19.125”</td>
<td>2XRLL</td>
</tr>
</tbody>
</table>

**NOTE:**
This chart is meant to be used as a general guideline when sizing, some individuals may measure outside of the ranges listed above. It is always recommended to size with a sample vest and to lean towards a larger size in most instances.