APTS status report

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New APTS version / evolution

- New: 30mm (Q1.5)
- Cap Update: 50mm (Q3, Q6, Q10)
- New cap: common to all sizes
Improvements

– Cable path/output: improved for resistance, managing failure point, etc
– Sealing to prevent small leaks...
– Filling procedure
Integration

• Q1.5: abdomen drilled
  – Calibration tests before full dummy tests

• Humanetics: Q10 production model...
  – Tests upcoming at Humanetics USA

Photos provided by Humanetics
APTS perspectives

• Q1.5: experimental validation
• Continue on integration, calibration, manufacturing (with Humanetics & LIER)
  – Q10: investigating possible contact during dummy flexion: Humanetics performing simulation work. Sensors can be shortened if needed
• Tolerance:
  – Q task force will add points (Q10, ...)
  – Work ongoing too (scaling by compression, other loading modes...)
  – In connection with EEVC