

Design Review 3 Requirements:

- Valve Mani.
 - Poppet geometry
 - Bolting geometry
 - Airflow path
 - Accelerometer Port
 - Discharge path
 - O-ring groove
- Frame for Vessel
 - Amount of material
 - Connection to cart/ vessel
 - Damping?
 - L-Brackets
 - T-Slots
- Manifold Connection
 - Bolts
 - Dowel Pins
 - Removing Assembly vs. Removing Lower Half of Valve Manifold
 - Sealing Surfaces (o-rings)
 - Ease of use
 - Number of Bolts
 - Bolt tightening specification
- Cart
 - Pricing
- Hoses
 - Fittings
- Valves
 - active (inlet, outlet)
 - Use old valves?
 - passive (relief, regulator)
- Discharge Tank

Carvey:

Carts, email Kolodziej, previous team CAD models

Brandon:

Sketches, edge updates with pugh charts and eng requirements,

Ryan:

8020 Extrusion profile (adaptive length model- **use family table under model intent**)

<http://www.3dcontentcentral.com/parts/supplier/80%2020-Inc.aspx>

Need to download cad models and start a basic assembly for frame.

Alex:

Flow model from white board in Matlab

more stuff we need:

-Estimate for 8020 price with connectors, Ryan

-Preliminary BOM(pick a back pressure vessel 1 or 2 gal.), Brandon

-3D model