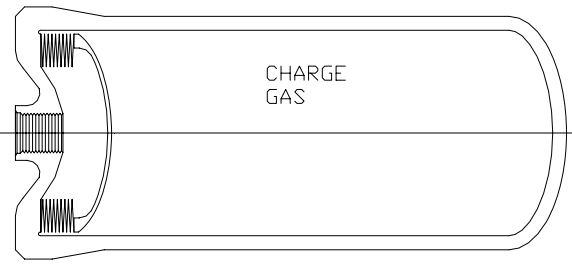
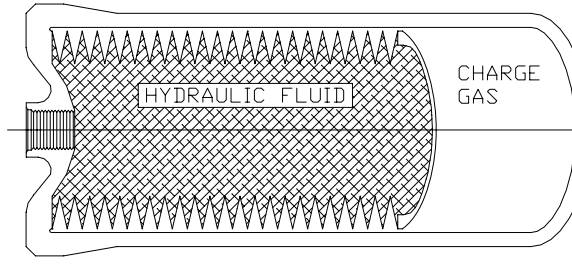


HIPRES® Accumulator Design Data Sheet

| | |
|---|---|
| Contact: _____ | Company: _____ |
| Phone: _____ | Email: _____ |
| In order to properly size the accumulator we must understand what displaced fluid volume is required from what high pressure to what low pressure and over what temperature range. | |
| Accumulator Empty Condition | Accumulator Full Condition |
|  |  |
| Fluid Pressure [PSIG] / [bar] _____ Fluid Temperature [F] / [C] _____ Fluid Volume [IN³] / [Liters] _____ <small>This will be 0 unless you wish some fluid remaining in the accumulator</small> | Fluid Pressure [PSIG] / [bar] _____ Fluid Temperature [F] / [C] _____ Fluid Volume [IN³] / [Liters] _____ |
| <p>For the pressure vessel design we must understand proof and burst pressure requirements. Standard values are described below but the customer may allow for different values to suit specific applications. Further, we need to understand at what temperatures these pressures are to be measured. Standard temperature of 68F is typical.</p> <p>From ARP4378: Proof pressure = 1.5 x maximum operating pressure or 3 x precharge pressure (whichever is higher) Burst pressure = 4 x maximum operating pressure or 5 x precharge pressure (whichever is higher)</p> | |
| Burst Pressure [PSIG] / [bar] _____ Proof Pressure [PSIG] / [bar] _____ | At what Temperature [F] / [C] _____ At what Temperature [F] / [C] _____ |
| Envelope Constraints Maximum Diameter [IN] / [CM] _____ Maximum Length [IN] / [CM] _____ | |
| Miscellaneous Hydraulic port requirement _____ Fluid type _____ Target Weight [LBS] / [Kg] _____ Pressure indicator required? <input type="checkbox"/> No <input type="checkbox"/> YES What type _____ Fill Rate [IN³/Min] / [L/M] _____ Empty Rate [IN³/Min] / [L/M] _____ Number of fill/empty cycles _____ Application description _____ | |