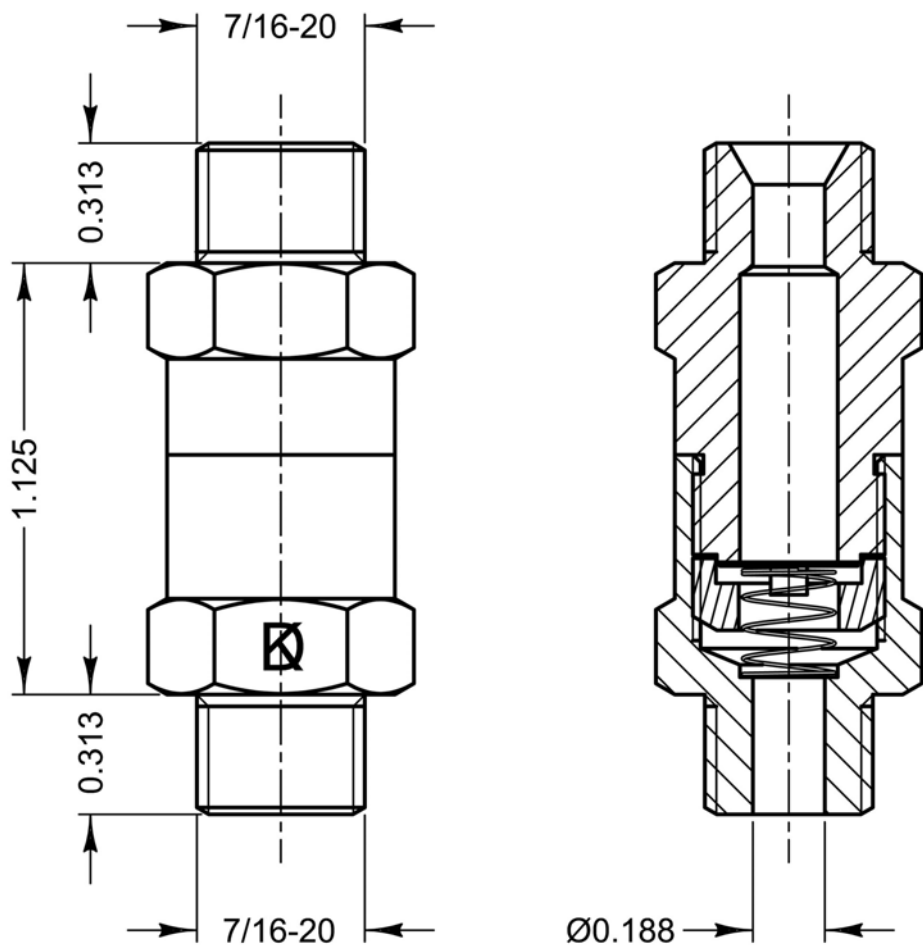
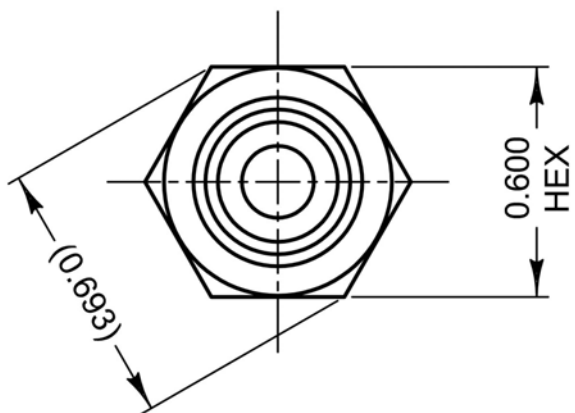
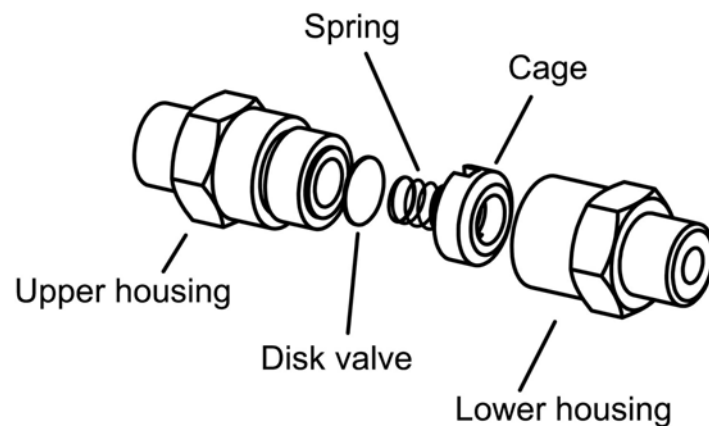


Non-return valve  
F28 Douglas

D. Kephart  
06FEB05  
05JUN07, revised for 350EW



Notes:

1. Materials: Upper and lower housing: steel, nickle electroplate. Spring: carbon steel music wire,  $\text{Ø}0.0075$ " x  $\text{Ø}0.230$ " outer diameter, 1/2" free length, 3-1/2 active coils. Disk valve: Carbon steel spring stock,  $\text{Ø}3/8 \times 0.010$ ". Cage: free machining brass.
2. Thread cage into lower housing, it should only just clear upper housing when latter is screwed home. Valve seat face of upper housing must protrude into recess of cage to properly trap disk valve.
3. Hex is 0.600" across flats (5/16 Whitworth wrench.) Mill hex with housings temporarily screwed together, so that the flats are aligned.
4. Buff and electroplate and with housings screwed together. This will preserve a nice tight joint. To prevent plating bridging joint, use a sacraficial paper washer.