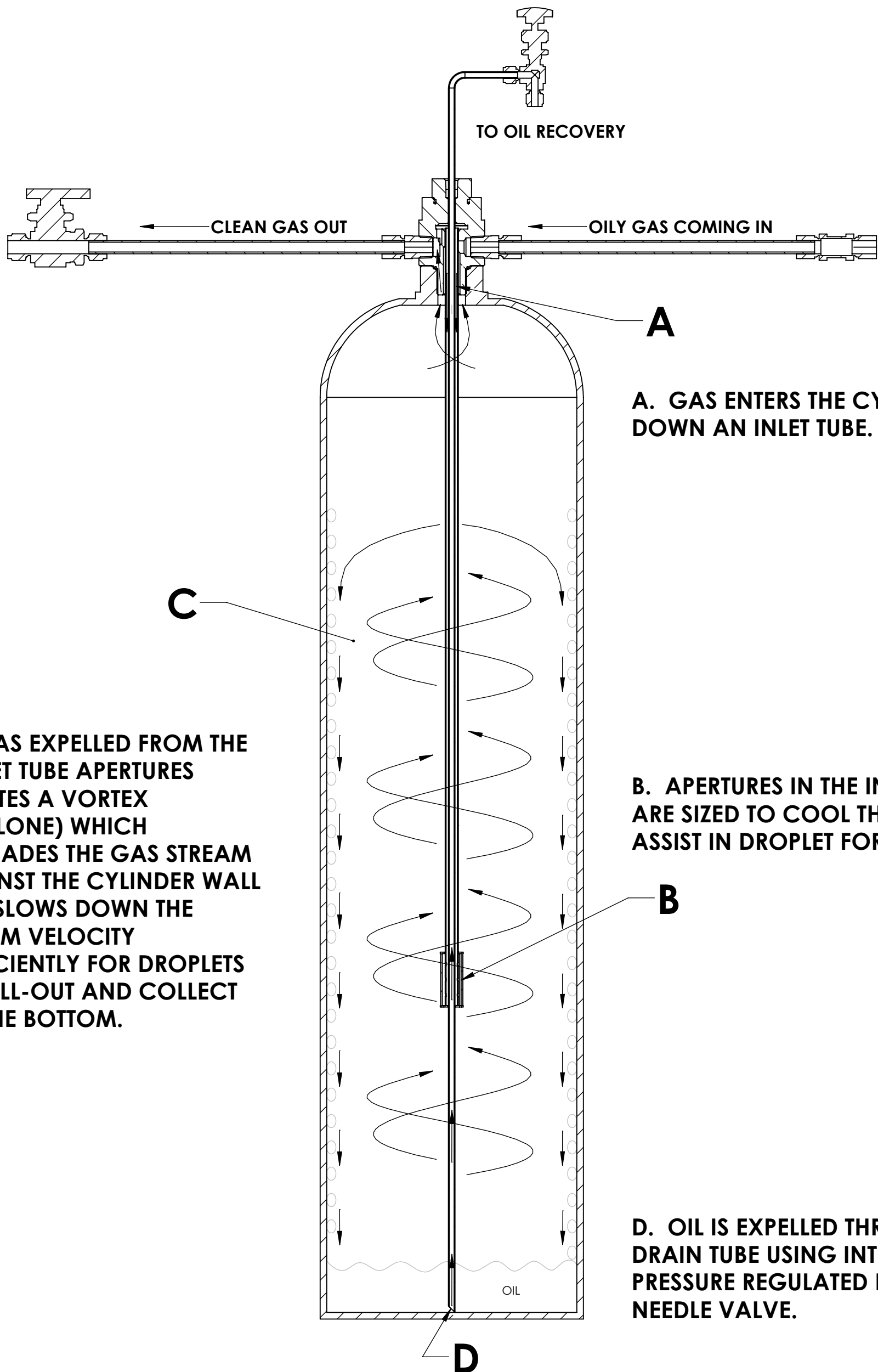


# **FILTER/STRAINER SYSTEM**



**A. GAS ENTERS THE CYLINDER DOWN AN INLET TUBE.**

**B. APERTURES IN THE INLET TUBE ARE SIZED TO COOL THE GAS AND ASSIST IN DROPLET FORMATION.**

**C. GAS EXPELLED FROM THE OUTLET TUBE APERTURES CREATES A VORTEX (CYCLONE) WHICH CASCADES THE GAS STREAM AGAINST THE CYLINDER WALL AND SLOWS DOWN THE STREAM VELOCITY SUFFICIENTLY FOR DROPLETS TO FALL-OUT AND COLLECT ON THE BOTTOM.**

**D. OIL IS EXPELLED THROUGH A DRAIN TUBE USING INTERNAL PRESSURE REGULATED BY A NEEDLE VALVE.**