

## 2.05 AIR SEPARATORS

### C. Centrifugal Air Separators, NO Strainers:

#### 1. Manufacturers:

- a. Delta Fabricating <https://www.deltafabricating.com/>
- b. American Wheatley HVAC Separators <http://www.wheatleyhvac.com>
- c. ITT Bell & Gossett [www.bellgossett.com](http://www.bellgossett.com).
- d. Taco, Inc [www.taco-hvac.com](http://www.taco-hvac.com).
- e. Armstrong International, Inc [www.armstronginternational.com](http://www.armstronginternational.com).

2. Steel, tested and stamped in accordance with ASME BPVC-VIII-1; for 125 psi (860 kPa) operating pressure, tangential inlet and outlet connections,

### D. Coalescing Air/Dirt Separators:

#### 1. Manufacturers:

- a. **SweepCLEAR-TAS**, Use Delta Fabricating's Standard Centrifugal Air Separator listed in Section 2.05.C above, completely FILLED with SweepCLEAR coalescing media , [www.sweepclear.com](http://www.sweepclear.com)
- b. Spirotherm, Inc [www.spirotherm.com](http://www.spirotherm.com).
- c. Thrush Co. Inc <http://www.thrushco.com>
- d. ITT Bell & Gossett [www.bellgossett.com](http://www.bellgossett.com).

2. Tank: Fabricated steel tank; tested and stamped in accordance with ASME BPVC-VIII-1; for 150 psi or 250 psi (1034 kPa) operating pressure depending on system pressure and 270 degrees F (132 degrees C) maximum operating temperature; subject to the requirements of the application and the manufacturer's standard maximum operating conditions.

3. Coalescing Medium: Provide copper wire or stainless steel welded wire mesh medium filling the entire vessel to suppress turbulence and provide air elimination efficiency of 100 percent free air, 100 percent entrained air, and 99.6 percent dissolved air at the installed location.

4. Air Vent: Integral float actuated automatic air vent at top fitting of tank rated at 150 or 250 psi (1030 kPa), threaded to the top of the separator.

5. Top Air Vent Connections: Threaded for 1 FNPT  
Bottom Blowdown Connection : 1.5 FNPT

6. Inlet/Outlet Connections: Threaded for 2 NPS (50 DN) and smaller; Class 150/250 flanged connections for 2-1/2 NPS (65 DN) and larger..

**7. Size: Match system flow capacity, with 2 foot maximum pressure drop.**

8. OPTIONAL - Flanged top opening to inspect and/or remove media coils for cleaning.