

AVENTUS Semi-Custom Split DOAS for a Locker Room

MARKET: High School Locker Room

This AVENTUS semi-custom split-DOAS is one of three units for a high school locker room. It features 100% outdoor air, an aluminum crossflow flat plate heat exchanger and indirect fired gas furnace. The split-DOAS system provides indoor air quality and energy efficient heating and humidity control.

CONSTRUCTION

- Outdoor unit
- 2" double wall casing and polyiso foam (R-value 6.0/in) insulation
- 20ga galvaneal steel outer casing with acrylic paint
- 20ga galvanized steel interior casing
- 5" c-channel structural steel base frame with welded lifting lugs and acrylic paint
- 16ga galvanized steel floor with 2" polyiso foam (R-value 6.0/in) insulation
- 304 stainless steel drain pan

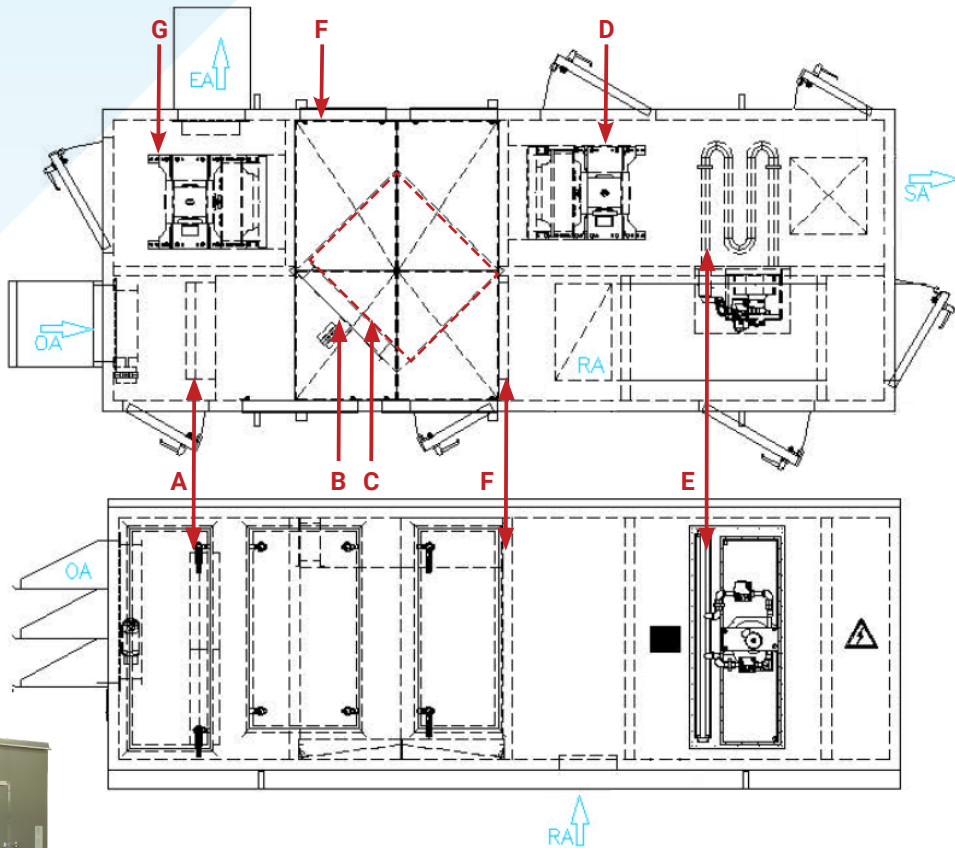
FEATURES

- **Sensible aluminum crossflow plate heat exchanger with modulating bypass damper and actuator**
- **Full Unit Controls with BACnet MS/TP**
- SA/EA EC fan motors with rubber in shear vibration isolators

COMPONENTS

- A. OA 2" MERV 8 filter galvanized filter rack**
- B. Modulating crossflow bypass damper with actuator**
- C. Aluminum crossflow plate heat exchanger**
- D. SA plenum fan**
- E. 409 stainless steel indirect fired gas furnace**
- F. RA 2" MERV 8 filter galvanized filter rack**
- G. EA plenum fan**

Model:	ERU-1A
Dimensions:	62"H x 178"L x 63"W
Weight:	3,200 lbs
Supply CFM:	2,400 CFM
Energy Recovery:	Sensible Crossflow Plate HX
Energy Effectiveness:	Winter: 66% / Summer 64%
Heating Type:	Indirect Fired Gas Furnace
Heating Capacity:	142 MBH



Contact Xetex for your next Semi-Custom Packaged DX DOAS, Split DOAS or ERV!