



Model ARR

The Carnes Model ARR offers low pressure drop, low sound levels, and valve characteristics which create stable control conditions within the conditioned space.

This product is ideal for Hospitals, Labs, Schools, Government Buildings, i.e., anywhere Indoor Air Quality (IAQ) concerns exist.

Other Features Include:

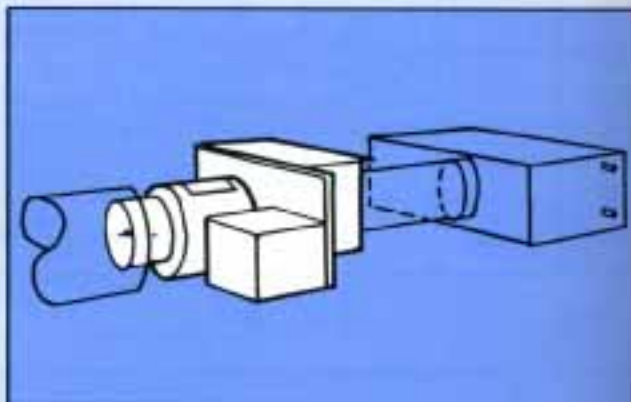
- Air flow capacities from full shut-off to 4200 CFM (0-3,000 FPM for each unit size).
- Round Inlet/outlet connections — 8 sizes.
- Low leakage damper design.
- Pneumatic, electric, electronic, or manual control options available.
- Averaging type air flow sensor at inlet of unit.
- Optional cross flow averaging type velocity sensor at inlet of unit.
- No insulation in the air stream makes this unit an excellent choice of application for Hospitals, Labs, Government Buildings, and Schools.
- Optional pressure independent and pressure dependent controls.
- Optional controls enclosure.
- Optional hanger brackets.
- Optional stainless steel design.
- Unit externally wrapped with 1/2" foil faced insulation that meet UL and NFPA standards.

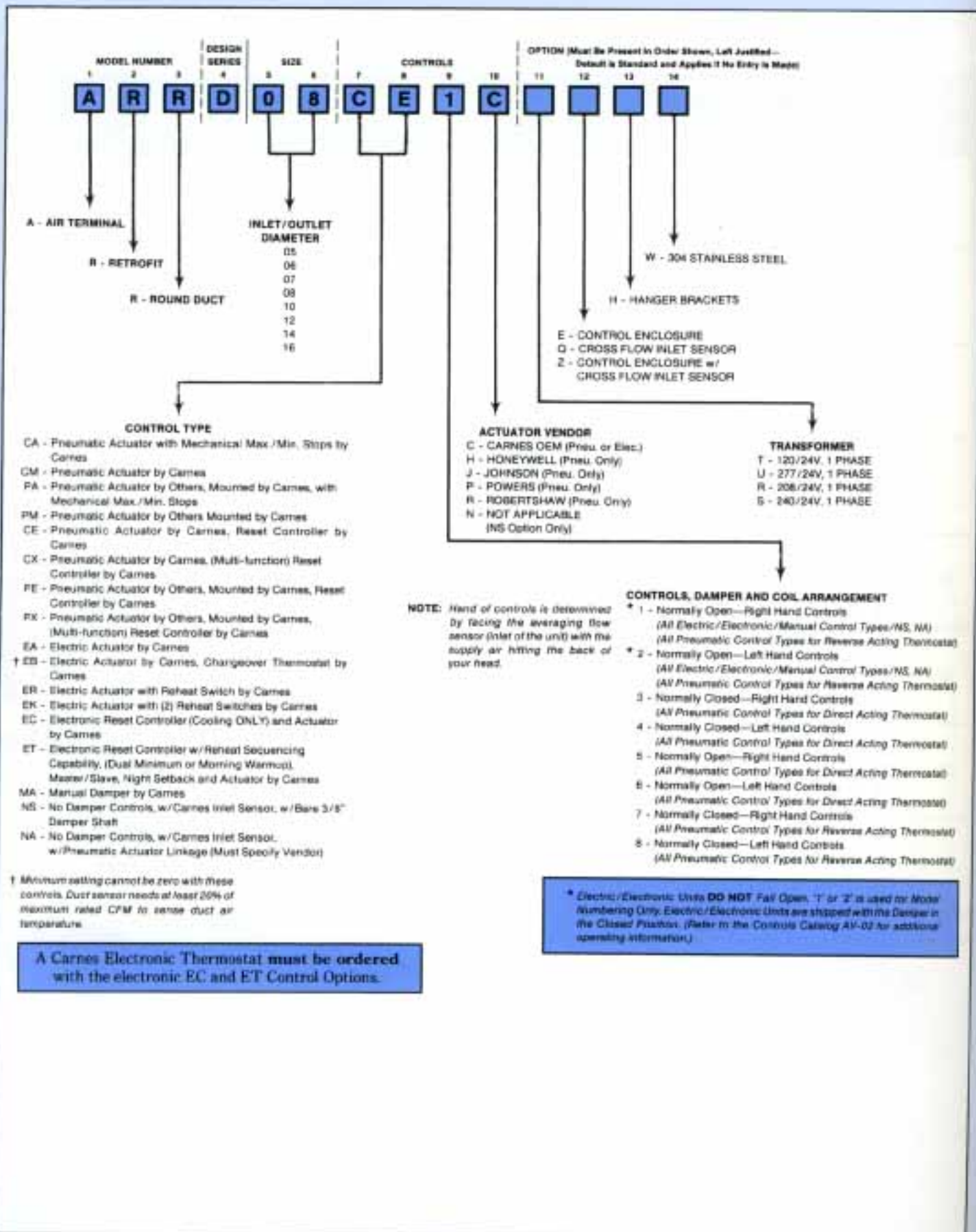
ENERGY CONSERVATION — VAV Retrofit

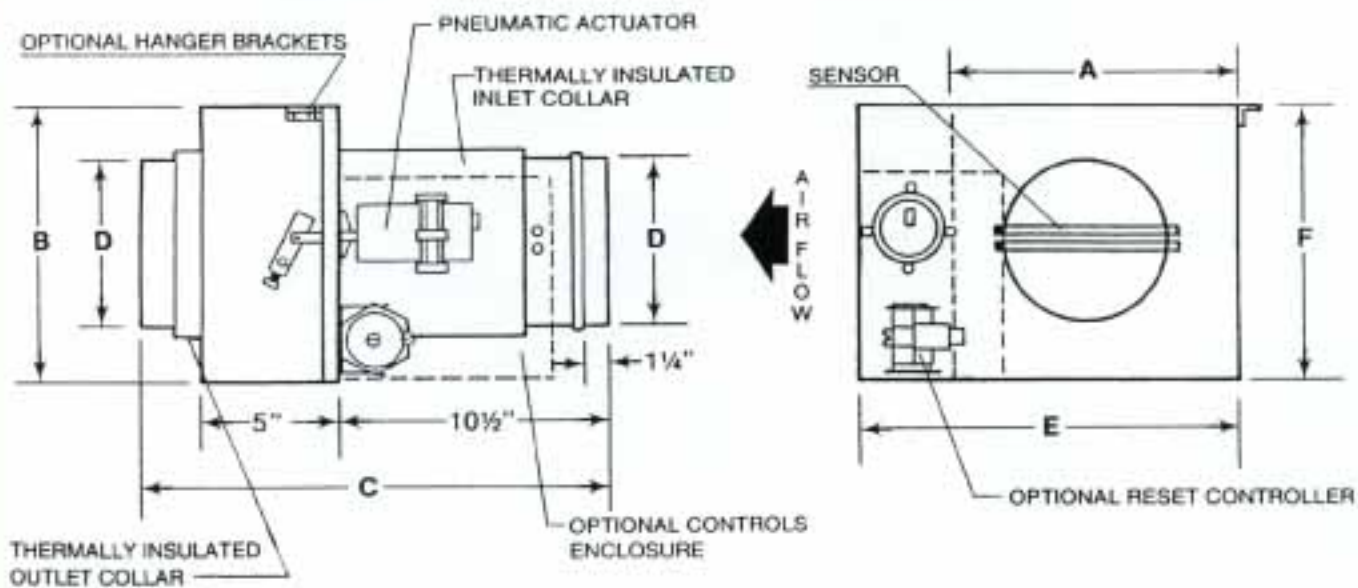
HIGH VELOCITY CONSTANT VOLUME REHEAT UNITS

The system with constant volume reheat terminal units can be easily converted to variable air volume by adding a retrofit unit upstream of the existing terminal unit which can now serve as a sound attenuator.

The unit for this conversion is the Model ARR Unit which replaces a short section of duct ahead of the existing terminal unit. The internal damper of the existing terminal unit should be removed, or placed in the full open position. This allows the existing terminal unit to act as a sound attenuator. The pneumatic thermostat which formerly activated the reheat coil, can now be used to control the ARR unit and the existing coil when required.







**PNEUMATIC CONTROLS SHOWN
ELECTRIC/ELECTRONIC AND
MANUAL AVAILABLE**

**LEFT HAND CONTROLS SHOWN
RIGHT HAND AVAILABLE**

DIMENSIONS LISTED IN INCHES						
UNIT SIZE	A	B	C	D	E	F
05	12	7 1/2	17 1/2	4 1/2	15 1/2	10 1/2
06	12	7 1/2	18	5 1/2	15 1/2	10 1/2
07	12	10	18 1/2	6 1/2	15 1/2	10 1/2
08	12	10	19	7 1/2	15 1/2	10 1/2
10	14	12 1/2	20	9 1/2	17 1/2	12 1/2
12	16	15	21	11 1/2	19 1/2	15 1/2
14	20	17 1/2	22	13 1/2	23 1/2	17 1/2
16	24	17 1/2	23	15 1/2	27 1/2	17 1/2