

# APR CONTROL - R-410A - SPEC. & DIMENSION SHEET

## Unit Dimensions

## Connection Dimensions (OD)

| Model #    | Modulation Capacity |  | X    | Y   | Z    | EE   | L    | M    | G    | Application         |
|------------|---------------------|--|------|-----|------|------|------|------|------|---------------------|
| APR-410-1  | 1.5 tons            |  | 8.5" | 8"  | 4"   | N/A  | 3/8" | 5/8" | 3/8" |                     |
| APR-410-2  | 2.5 tons            |  | 8.5" | 8"  | 4"   | 1/4" | 3/8" | 5/8" | 3/8" |                     |
| APR-410-3  | 3.5 tons            |  | 8.5" | 8"  | 4"   | 1/4" | 3/8" | 5/8" | 3/8" |                     |
| APR-410-5  | 5.5 tons            |  | 10"  | 10" | 5"   | 1/4" | 3/8" | 5/8" | 5/8" | G - SIDE CONNECTION |
| APR-410-6  | 6.5 tons            |  | 9.5" | 10" | 4.5" | 1/4" | 3/8" | 5/8" | 5/8" | G - SIDE CONNECTION |
| APR-410-10 | 10 tons             |  | 12"  | 11" | 5.5" | 1/4" | 3/8" | 7/8" | 7/8" | G - SIDE CONNECTION |

Hot Gas Bypass Valve should be set to begin opening at approximately 105-109 PSI ~34 deg F

SUPPLY BALL SHUT-OFF VALVES FOR ALL CONNECTIONS  
 SUPPLY TEE FOR SUCTION LINE CONNECTION  
 SUPPLY TEE FOR HOT-GAS CONNECTION

### APR Control Selection:

System or Stage size is reduced by the Modulation Capacity listed above.  
 Oil entrainment in suction line must be addressed.  
 Please refer to Rawal Devices Fast Selection Chart  
 Or Consult with Rawal Devices Engineers

WHEN REQUIRED, SUPPLY TEE FOR EE CONNECTIONS  
 EXTERNAL EQUILIZERS - EE - HAVE 1/4" SWEAT CONNECTION  
 TEE EE CONNECTIONS INTO SUCTION LINE

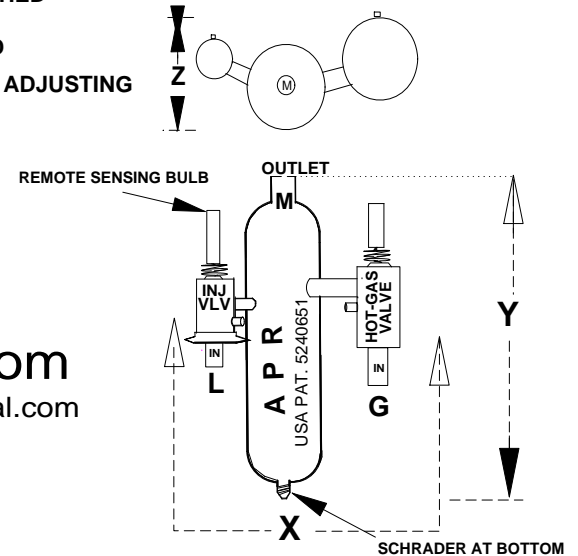
BULB ON LIQ INJ VALVES MUST BE ATTACHED TO SUCTION LINE  
 BETWEEN TEE TO APR CONTROL DISCHARGE AND COMPRESSOR

BULB ON HOT GAS BYPASS VALVES MUST BE ATTACHED TO SUCTION LINE

BOTH HOT GAS & LIQUID BULBS MUST BE INSULATED

REMOVE CAPS FROM ADJUSTMENT STEMS PRIOR TO ADJUSTING

TO ADJUST VALVES WHEN FACING ADJUSTING STEM  
 CLOCKWISE LOWERS PRESSURE / TEMPERATURE  
 COUNTER-CLOCKWISE RAISES PRESSURE / TEMP.



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