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| .1 | Common Work Results for HVAC:                           | Section 23 05 00 |
| .2 | Chemical Treatment and Cleaning - General Requirements: | Section 23 25 01 |

## 1.2 PRODUCT OPTIONS AND SUBSTITUTIONS

- .1 Refer to Division 01 for requirements pertaining to product options and substitutions.

### 1.3 SHOP DRAWINGS AND PRODUCT DATA

- .1 Comply with requirements of Section 01 33 10.

## 1.4 QUALITY ASSURANCE

- .1 Where system working pressures exceed 207 kPa, and/or internal diameter exceed 610 mm, comply with the requirements of Alberta Regulation 49 Safety Codes Act, Pressure Equipment Safety Regulation.
- .2 Submit inspection certification from Alberta Labour, Boilers Branch.

## Part 2 Products

## 2.1 PRESSURE VESSELS

- .1 Construct pressure vessels to ASME Code for Unfired Pressure Vessels.

## 2.2 EXPANSION TANKS - DIAPHRAGM TYPE

- .1 Body Construction: steel pressure vessel outer tank.
- .2 Support: steel skirt for vertical floor support.
- .3 Air Chamber: heavy duty butyl diaphragm bonded with polypropylene liner to steel shell, separating air chamber from water. Chamber precharged to 80 kPa.
- .4 Ratings: maximum working pressure 520 kPa; maximum operating temperature at 115°C.
- .5 Fittings: air side charge connection; water side inlet connection.

**Part 3            Execution**

**3.1                EXPANSION TANKS – DIAPHRAGM TYPE**

- .1        Provide valved tank drain, pipe to floor drain.
- .2        Support tank on metal frame mounted on floor.

**3.2                PERFORMANCE SCHEDULE**

- .1        Refer to Schedules on drawings.

**END OF SECTION**