

SECTION 22 15 00 {15214}

GENERAL SERVICE COMPRESSED-AIR SYSTEMS

{COMPRESSED AIR SYSTEMS}

This section includes components for compressed air systems in plant or process applications including pipe and pipe fittings, valves, piping accessories, air compressors, after cooler, air dryers, air receiver and pressure reducing station.

Coordinate location of piping, valves, and hangers and supports with other sections in this Division. When Section 22 05 29 {15060}, Section 22 05 03 {15105}, and Section 22 05 23 {15110} are used consider deleting duplicate requirements and referencing appropriate sections.

Manufacturers listed in this section were identified as representative and not as an endorsement for meeting this specification. For additional product information, visit 4Specs at www.4specs.com, ARCAT at www.arcat.com, First Source at www.reedfirstsource.com, SpecSource at www.specsource.com, and Sweets Network at products.construction.com.

This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.

Contact the CSRF Support Center at supportcenter@csrf.org to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at www.spectext.com for current product announcements.

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
1. Compressed air piping.
 2. Unions and flanges.
 3. Valves.
 4. Strainers.
 5. Pipe hangers and supports.
 6. Flexible connectors.
 7. Relief valves.
 8. Compressed air outlets.
 9. Air compressor.
 10. Oil less air compressor.
 11. Compressed air after cooler.
 12. Refrigerated compressed air dryer.
 13. Desiccant compressed air dryer.
 14. Air receiver.
 15. Air pressure reducing valve.

16. Pressure regulators.
17. Compressed air filters.
18. Hose connectors.
19. Underground pipe markers.

B. Related Sections:

1. Section 03 30 00 - Cast-In-Place Concrete: Execution requirements for equipment bases specified by this section.

Use the following reference when firestopping is specified in another Division.

2. Section 07 84 00 - Firestopping: Product requirements for firestopping for placement by this section.
3. Section 09 90 00 - Painting and Coating: Execution requirements for painting material specified by this section.

Use the following when pipe materials are specified in one location in this Division.

4. Section 22 05 03 - Pipes and Tubes for Plumbing Piping and Equipment: Product and installation requirements for piping materials applying to various system types.
5. Section 22 05 13 - Common Motor Requirements for Plumbing Equipment: Product requirements for equipment motors for placement by this section.

Use the following when valves are specified in one location in this Division.

6. Section 22 05 23 - General-Duty Valves for Plumbing Piping: Product requirements for valves for placement by this section.

Retain choice in the following paragraph when firestopping is specified in this Division.

7. Section 22 05 29 - Hangers and Supports for Plumbing Piping and Equipment: Product requirements for pipe hangers and supports [and firestopping] for placement by this section.
8. Section 22 05 48 - Vibration and Seismic Controls for Plumbing Piping and Equipment: Product requirements for vibration isolators for placement by this section.
9. Section 22 05 53 - Identification for Plumbing Piping and Equipment: Product requirements for pipe and valve identification for placement by this section.
10. Section 26 05 03 - Equipment Wiring Connections: Execution requirements for electric connections specified by this section.
11. Section 31 23 17 - Trenching: Execution requirements for trenching required by this section.
12. Section 31 23 23 - Fill: Requirements for backfill to be placed by this section.

C. Related Sections:

1. Section 02320 - Backfill: Requirements for backfill to be placed by this section.
2. Section 02324 - Trenching: Execution requirements for trenching required by this section.