

# 23 33 Air Duct Accessories

## 23 33 13 – Dampers

### 23 33 13.13 Volume-Control Dampers

|      |           | Crew   | Daily<br>Output | Labor-<br>Hours | Unit | Material | 2022 Bare Costs<br>Labor | Equipment | Total | Total<br>Incl O&P |
|------|-----------|--------|-----------------|-----------------|------|----------|--------------------------|-----------|-------|-------------------|
| 8260 | 30" x 18" | 1 Shee | 7               | 1.143           | Ea.  | 229      | 77                       |           | 306   | 370               |

### 23 33 13.16 Fire Dampers

|      |   |        |    |      |     |       |       |  |       |       |
|------|---|--------|----|------|-----|-------|-------|--|-------|-------|
| 0010 | <b>FIRE DAMPERS</b>   |        |    |      |     |       |       |  |       |       |
| 3000 | Fire damper, curtain type, 1-1/2 hr. rated, vertical, 6" x 6" | 1 Shee | 24 | .333 | Ea. | 24    | 22.50 |  | 46.50 | 60.50 |
| 3020 | 8" x 6"   |        | 22 | .364 |     | 32    | 24.50 |  | 56.50 | 72.50 |
| 3240 | 16" x 14"   |        | 18 | .444 |     | 78    | 30    |  | 108   | 131   |
| 3400 | 24" x 20"   |        | 8  | 1    |     | 67.50 | 67.50 |  | 135   | 177   |

### 23 33 13.28 Splitter Damper Assembly

|      |                                 |        |    |      |     |       |       |  |       |       |
|------|---------------------------------|--------|----|------|-----|-------|-------|--|-------|-------|
| 0010 | <b>SPLITTER DAMPER ASSEMBLY</b> |        |    |      |     |       |       |  |       |       |
| 7000 | Self locking, 1' rod            | 1 Shee | 24 | .333 | Ea. | 33.50 | 22.50 |  | 56    | 70.50 |
| 7020 | 3' rod                          | 1 Shee | 22 | .364 | Ea. | 45    | 24.50 |  | 69.50 | 87    |
| 7040 | 4' rod                          |        | 20 | .400 |     | 50.50 | 27    |  | 77.50 | 96    |
| 7060 | 6' rod                          |        | 18 | .444 |     | 61.50 | 30    |  | 91.50 | 113   |

## 23 33 19 – Duct Silencers

### 23 33 19.10 Duct Silencers

|      |   |  |  |  |      |       |  |  |       |     |
|------|---|--|--|--|------|-------|--|--|-------|-----|
| 0010 | <b>DUCT SILENCERS</b>                       |  |  |  |      |       |  |  |       |     |
| 9000 | Silencers, noise control for air flow, duct |  |  |  | MCFM | 94.50 |  |  | 94.50 | 104 |

## 23 33 33 – Duct-Mounting Access Doors

### 23 33 33.13 Duct Access Doors

|      |                                      |        |    |      |     |       |       |  |        |       |
|------|--------------------------------------|--------|----|------|-----|-------|-------|--|--------|-------|
| 0010 | <b>DUCT ACCESS DOORS</b>             |        |    |      |     |       |       |  |        |       |
| 1000 | Duct access door, insulated, 6" x 6" | 1 Shee | 14 | .571 | Ea. | 20.50 | 38.50 |  | 59     | 80.50 |
| 1020 | 10" x 10"                            |        | 11 | .727 |     | 23.50 | 49    |  | 72.50  | 100   |
| 1040 | 12" x 12"                            |        | 10 | .800 |     | 23    | 54    |  | 77     | 107   |
| 1050 | 12" x 18"                            |        | 9  | .889 |     | 40.50 | 60    |  | 100.50 | 135   |
| 1070 | 18" x 18"                            |        | 8  | 1    |     | 37    | 67.50 |  | 104.50 | 143   |
| 1074 | 24" x 18"                            |        | 8  | 1    |     | 65.50 | 67.50 |  | 133    | 175   |

## 23 33 46 – Flexible Ducts

### 23 33 46.10 Flexible Air Ducts

|      |   |   |     |     |      |      |      |      |       |       |
|------|---|---|-----|-----|------|------|------|------|-------|-------|
| 0010 | <b>FLEXIBLE AIR DUCTS</b>                                       |   |     |     |      |      |      |      |       |       |
| 1280 | Add to labor for elevated installation                          |   |     |     |      |      |      |      |       |       |
| 1282 | of prefabricated (purchased) ductwork                           |   |     |     |      |      |      |      |       |       |
| 1283 | 10' to 15' high   |   |     |     |      |      | 10%  |      |       |       |
| 1284 | 15' to 20' high   |   |     |     |      |      | 20%  |      |       |       |
| 1285 | 20' to 25' high   |   |     |     |      |      | 25%  |      |       |       |
| 1286 | 25' to 30' high   |   |     |     |      |      | 35%  |      |       |       |
| 1287 | 30' to 35' high   |   |     |     |      |      | 40%  |      |       |       |
| 1288 | 35' to 40' high   |   |     |     |      |      | 50%  |      |       |       |
| 1289 | Over 40' high   |   |     |     |      |      | 55%  |      |       |       |
| 1300 | Flexible, coated fiberglass fabric on corr. resist. metal helix |   |     |     |      |      |      |      |       |       |
| 1400 | pressure to 12" (WG) UL-181                                     |   |     |     |      |      |      |      |       |       |
| 1500 | Noninsulated, 3" diameter                                       | G | Q-9 | 400 | .040 | L.F. | 1.42 | 2.43 | 3.85  | 5.20  |
| 1540 | 5" diameter   |   |     | 320 | .050 |      | 1.65 | 3.04 | 4.69  | 6.40  |
| 1560 | 6" diameter   |   |     | 280 | .057 |      | 1.94 | 3.47 | 5.41  | 7.40  |
| 1580 | 7" diameter   |   |     | 240 | .067 |      | 2.19 | 4.05 | 6.24  | 8.50  |
| 1600 | 8" diameter   |   |     | 200 | .080 |      | 2.45 | 4.86 | 7.31  | 10.05 |
| 1640 | 10" diameter  |   |     | 160 | .100 |      | 3.12 | 6.10 | 9.22  | 12.60 |
| 1660 | 12" diameter  |   |     | 120 | .133 |      | 3.67 | 8.10 | 11.77 | 16.25 |
| 1900 | Insulated, 1" thick, PE jacket, 3" diameter                     | G |     | 380 | .042 |      | 2.93 | 2.56 | 5.49  | 7.10  |
| 1910 | 4" diameter   | G |     | 340 | .047 |      | 3.44 | 2.86 | 6.30  | 8.10  |
| 1920 | 5" diameter   | G |     | 300 | .053 |      | 3.60 | 3.24 | 6.84  | 8.85  |