



## Selas Combustion Controllers Specifications



### Positive Displacement Models

#### Variable Heat: Positive Displacement Units with CAV Valves

| Model | Valve type/size | Rated Capacity Mixture, SCFH | Motor HP @ rated outlet pressure |        |        | Pipe Connections (in) - Female NPT |       |       | Floor Space, approx (in) |    |    | Shipping Wt, approx (lbs) |
|-------|-----------------|------------------------------|----------------------------------|--------|--------|------------------------------------|-------|-------|--------------------------|----|----|---------------------------|
|       |                 |                              | 2 psig                           | 3 psig | 4 psig | Gas                                | Air   | Mix   | L                        | W  | H  |                           |
| 10CA  | 10CAV           | 1,000                        | 3/4                              | 3/4    | 3/4    | 3/4                                | 1     | 1-1/4 | 26                       | 21 | 18 | 250                       |
| 20CA  | 40CAV           | 2,000                        | 1-1/2                            | 1-1/2  | 1-1/2  | 3/4                                | 2     | 1-1/2 | 29                       | 25 | 28 | 400                       |
| 40CA  | 40CAV           | 4,000                        | 2                                | 2      | 2      | 3/4                                | 2     | 2-1/2 | 34                       | 26 | 30 | 550                       |
| 60CA  | 60CAV           | 6,000                        | 3                                | 3      | 3      | 1                                  | 2-1/2 | 3     | 35                       | 29 | 30 | 825                       |
| 100CA | 150CAV          | 10,000                       | 5                                | 5      | 7-1/2  | 1-1/2                              | 3     | 4     | 48                       | 37 | 40 | 1,450                     |

See next page for Centrifugal Blower models



## Centrifugal Blower Models

### Constant Heat: Centrifugal Blower-Type Units with Posimix Valves

| Model                       | Valve type/size | Rated Capacity Mixture, SCFH | Motor HP @ rated outlet pressure |        |        | Pipe Connections (in) - Female NPT |     |     | Floor Space, approx (in) |    |    | Shipping Wt, approx (lbs) |
|-----------------------------|-----------------|------------------------------|----------------------------------|--------|--------|------------------------------------|-----|-----|--------------------------|----|----|---------------------------|
|                             |                 |                              | 2 psig                           | 3 psig | 4 psig | Gas                                | Air | Mix | L                        | W  | H  |                           |
| TDC10                       | PosimixC        | 10,000                       |                                  | 7-1/2  |        | 1                                  | 4   | 3   | 65                       | 47 | 31 | 1,800                     |
| TDC20                       | PosimixC        | 20,000                       |                                  | 15     |        | 2                                  | 4   | 5   | 85                       | 47 | 31 | 2,000                     |
| TDC30                       | PosimixC        | 30,000                       |                                  | 20     |        | 2                                  | 4   | 5   | 76                       | 55 | 37 | 2,300                     |
| TDD35                       | PosimixD        | 35,000                       |                                  | 25     |        | 2-1/2                              | 6   | 5   | 76                       | 61 | 37 | 2,400                     |
| TDD50                       | PosimixD        | 50,000                       |                                  | 30     |        | 3                                  | 6   | 5   | 76                       | 74 | 37 | 3,100                     |
| TDD75                       | PosimixD        | 75,000                       |                                  | 40     |        | 3                                  | 6   | 6   | 91                       | 77 | 37 | 3,400                     |
| TDD90                       | PosimixD        | 90,000                       |                                  | 40     |        | 4                                  | 6   | 6   | 91                       | 93 | 58 | 4,500                     |
| TDE100                      | PosimixE        | 100,000                      |                                  | 75     |        | 4                                  | 8   | 8   | 86                       | 93 | 60 | 4,700                     |
| TDE110                      | PosimixE        | 110,000                      |                                  | 75     |        | 4                                  | 8   | 8   | 86                       | 93 | 60 | 4,700                     |
| TDE125                      | PosimixE        | 125,000                      |                                  | 75     |        | 4                                  | 8   | 8   | 86                       | 93 | 60 | 5,000                     |
| TDF150                      | PosimixF        | 150,000                      |                                  | 100    |        | 4                                  | 10  | 10  | 91                       | 99 | 60 | 5,400                     |
| Larger capacities available |                 |                              |                                  |        |        |                                    |     |     |                          |    |    |                           |

### Variable Heat: Centrifugal Blower-Type Units with CAV Valves

| Model | Valve type/size | Rated Capacity Mixture, SCFH | Motor HP @ rated outlet pressure |        |        | Pipe Connections (in) - Female NPT |     |     | Floor Space, approx (in) |    |    | Shipping Wt, approx (lbs) |
|-------|-----------------|------------------------------|----------------------------------|--------|--------|------------------------------------|-----|-----|--------------------------|----|----|---------------------------|
|       |                 |                              | 2 psig                           | 3 psig | 4 psig | Gas                                | Air | Mix | L                        | W  | H  |                           |
| TD10  | 150CAV          | 10,000                       | 5                                | 10     | 15     | 1-1/2                              | 3   | 5   | 82                       | 47 | 31 | 1,800                     |
| TD15  | 150CAV          | 15,000                       | 7-1/2                            | 15     | 15     | 1-1/2                              | 3   | 5   | 82                       | 47 | 31 | 1,900                     |
| TD20  | 300CAV          | 20,000                       | 10                               | 15     | 20     | 2                                  | 4   | 5   | 82                       | 48 | 31 | 2,000                     |
| TD25  | 300CAV          | 25,000                       | 10                               | 15     | 20     | 2                                  | 4   | 5   | 82                       | 48 | 31 | 2,000                     |
| TD30  | 300CAV          | 30,000                       | 15                               | 20     | 20     | 2-1/2                              | 4   | 5   | 82                       | 55 | 37 | 2,300                     |
| TD35  | 300CAV          | 35,000                       | 15                               | 20     | 25     | 2-1/2                              | 4   | 5   | 76                       | 61 | 37 | 2,400                     |
| TD40  | 800CAV          | 40,000                       | 15                               | 20     | 25     | 2-1/2                              | 6   | 5   | 76                       | 74 | 37 | 2,500                     |
| TD50  | 800CAV          | 50,000                       | 20                               | 30     | 40     | 3                                  | 6   | 5   | 76                       | 74 | 37 | 3,100                     |
| TD60  | 800CAV          | 60,000                       | 25                               | 30     | 40     | 3                                  | 6   | 5   | 76                       | 74 | 37 | 3,400                     |
| TD75  | 800CAV          | 75,000                       | 30                               | 40     | 50     | 3                                  | 6   | 6   | 103                      | 77 | 43 | 3,400                     |
| TD80  | 800CAV          | 80,000                       | 40                               | 40     | 50     | 3                                  | 6   | 6   | 103                      | 77 | 43 | 3,400                     |
| TD90  | 1250CAV         | 90,000                       | 40                               | 50     | 60     | 4                                  | 8   | 6   | 103                      | 93 | 43 | 4,500                     |
| TD100 | 1250CAV         | 100,000                      | 40                               | 50     | 75     | 4                                  | 8   | 8   | 103                      | 93 | 47 | 4,700                     |
| TD110 | 1250CAV         | 110,000                      | 50                               | 50     | 75     | 4                                  | 8   | 8   | 94                       | 85 | 47 | 4,700                     |
| TD125 | 1250CAV         | 125,000                      | 50                               | 75     | 100    | 4                                  | 8   | 8   | 94                       | 85 | 47 | 5,000                     |