

**Product Description**

Our long history and experience of designing column systems to meet individual requirements, coupled with the traditional quality of De Dietrich Process Systems products has been the reason industries choose DDPS Column Systems for their toughest applications.

Our column sections, with or without jackets, can be offered in a range of diameters up to 84" and in lengths up to 236". Refer to the dimension tables on the reverse side for details.

DDPS also offers a range of glass-lined column accessories such as donut support rings, perforated plates and slotted plates. The internals (support tray, distributor, packing, etc.) are, in general, excluded from our scope of supply but can be furnished after technical clarification. Clamps, gaskets, split flanges and bolting are all supplied with a complete column system. DDPS is pleased to offer technical assistance on the installation and packing of columns, upon request.

Special designs have been a DDPS trademark for decades. We have fabricated special conical, eccentric, stepped and angled column sections for our customer's specific process requirements. DDPS can offer column diameters other than the standard sizes listed in the tables on the reverse side.



**OPTIONAL ITEMS**

- Glass-lined support plates (donut, perforated, slotted)
- Conventional and HemiCoil® jackets
- Insulation support rings
- Stainless steel clamps, flanges, or bolting
- Special gaskets (e.g., thicker, channel cut, Monel inserts, etc.)
- Concentric or eccentric reducers/expanders
- Davited manway covers

**SUPPORTED OPTIONS**

- Side support lugs bolted to tabs
- Removable support ring
- Support skirt

### Assembly with Split Loose Flanges\*

| Model | Diameter [d]<br>O.D.             | Diameter<br>I.D.                 | Maximum<br>Length [L] | Maximum<br>Depth [L1] |
|-------|----------------------------------|----------------------------------|-----------------------|-----------------------|
| VC-6  | 6 <sup>5</sup> / <sub>8</sub> "  | 6 "                              | 118 "                 | 12 "                  |
| VC-8  | 8 <sup>5</sup> / <sub>8</sub> "  | 8 "                              | 118 "                 | 12 "                  |
| VC-10 | 10 <sup>3</sup> / <sub>4</sub> " | 10 "                             | 118 "                 | 12 "                  |
| VC-12 | 12 <sup>3</sup> / <sub>4</sub> " | 12 "                             | 118 "                 | 20 "                  |
| VC-14 | 14 "                             | 13 <sup>1</sup> / <sub>4</sub> " | 118 "                 | 20 "                  |

### Assembly with C-Clamps

| Model | Diameter [d]<br>O.D.               | Diameter<br>I.D.                   | Maximum<br>Length [L] | Maximum<br>Depth [L1] |
|-------|------------------------------------|------------------------------------|-----------------------|-----------------------|
| VC-12 | 12 <sup>3</sup> / <sub>4</sub> "   | 12 "                               | 118 "                 | 20 "                  |
| VC-14 | 14 "                               | 13 <sup>1</sup> / <sub>4</sub> "   | 118 "                 | 20 "                  |
| VC-16 | 16 "                               | 15 <sup>1</sup> / <sub>4</sub> "   | 118 "                 | 30 "                  |
| VC-18 | 18 "                               | 17 <sup>1</sup> / <sub>4</sub> "   | 118 "                 | 30 "                  |
| VC-20 | 20 "                               | 19 <sup>1</sup> / <sub>4</sub> "   | 118 "                 | 40 "                  |
| VC-24 | 23 <sup>5</sup> / <sub>8</sub> "   | 22 <sup>3</sup> / <sub>16</sub> "  | 157 "                 | 59 "                  |
|       | 24 "                               | 23 <sup>7</sup> / <sub>32</sub> "  | 157 "                 | 59 "                  |
|       | 24 <sup>1</sup> / <sub>2</sub> "   | 24 "                               | 157 "                 | 59 "                  |
| VC-28 | 27 <sup>9</sup> / <sub>16</sub> "  | 26 <sup>25</sup> / <sub>32</sub> " | 177 "                 | 59 "                  |
|       | 29 <sup>1</sup> / <sub>2</sub> "   | 27 <sup>15</sup> / <sub>16</sub> " | 177 "                 | 59 "                  |
| VC-30 | 30 <sup>15</sup> / <sub>16</sub> " | 30 "                               | 177 "                 | 78 "                  |
|       | 31 <sup>1</sup> / <sub>2</sub> "   | 30 <sup>23</sup> / <sub>32</sub> " | 177 "                 | 78 "                  |
| VC-34 | 35 <sup>7</sup> / <sub>16</sub> "  | 34 <sup>1</sup> / <sub>2</sub> "   | 177 "                 | 78 "                  |
| VC-36 | 36 "                               | 35 <sup>7</sup> / <sub>32</sub> "  | 177 "                 | 78 "                  |
| VC-40 | 39 <sup>3</sup> / <sub>8</sub> "   | 38 <sup>7</sup> / <sub>16</sub> "  | 177 "                 | 98 "                  |
| VC-42 | 43 <sup>5</sup> / <sub>16</sub> "  | 42 <sup>3</sup> / <sub>8</sub> "   | 177 "                 | 98 "                  |
| VC-48 | 47 <sup>1</sup> / <sub>4</sub> "   | 46 <sup>5</sup> / <sub>16</sub> "  | 236 "                 | 157 "                 |
|       | 49 <sup>3</sup> / <sub>32</sub> "  | 48 "                               | 236 "                 | 157 "                 |
| VC-55 | 55 <sup>1</sup> / <sub>8</sub> "   | 54 "                               | 236 "                 | 157 "                 |
| VC-63 | 63 "                               | 61 <sup>3</sup> / <sub>4</sub> "   | 236 "                 | 157 "                 |
| VC-66 | 66 <sup>15</sup> / <sub>16</sub> " | 65 <sup>21</sup> / <sub>32</sub> " | 236 "                 | 157 "                 |
| VC-70 | 70 <sup>7</sup> / <sub>8</sub> "   | 69 "                               | 236 "                 | 157 "                 |
| VC-78 | 78 <sup>3</sup> / <sub>4</sub> "   | 76 <sup>7</sup> / <sub>8</sub> "   | 236 "                 | 157 "                 |
| VC-84 | 84 "                               | 82 "                               | 236 "                 | 157 "                 |

