

TECHNICAL SPECIFICATIONS

BD 100*-300*

| Type | Cooling mode | ISO 8573-1 Class | Inlet capacity FAD 7 bar(e)/100 psig | | | Average power consumption kW/hp | Pressure drop excluding filters | | Filter size | | Connection size inlet/outlet | | Dimensions (L x W x H) | | Weight | |
|------------|--------------|------------------|--------------------------------------|------|-----|---------------------------------|---------------------------------|------|-------------|--------------|------------------------------|--------|------------------------|--------------|--------|------|
| | | | l/s | m³/h | cfm | | bar(e) | psig | Pre-filter | After-filter | 50Hz=G/PN16, 60Hz=NPT/DN | | mm | inch | kg | lbs |
| | | | | | | | | | | | 0.01 µm 0.01 ppm | 1 µm | | | | |
| BD 100* | Purge | [-1-] [-2-] | 100 | 350 | 212 | 3 | 4.0 | 0.20 | 2.90 | UD140+ | DDp130+ | 1 1/2" | 1131 x 896 x 1855 | 45 x 35 x 73 | 394 | 869 |
| BD 150* | Purge | [-1-] [-2-] | 150 | 540 | 318 | 3 | 4.0 | 0.20 | 2.90 | UD180+ | DDp170+ | 1 1/2" | 1311 x 966 x 1881 | 52 x 38 x 74 | 511 | 1127 |
| BD 185* | Purge | [-1-] [-2-] | 185 | 666 | 392 | 5 | 6.7 | 0.20 | 2.90 | UD220+ | DDp210+ | 1 1/2" | 1311 x 966 x 1881 | 52 x 38 x 74 | 547 | 1206 |
| BD 250* | Purge | [-1-] [-2-] | 250 | 900 | 530 | 5.5 | 7.4 | 0.20 | 2.90 | UD310+ | DDp310+ | 2" | 1444 x 1098 x 1969 | 57 x 43 x 76 | 689 | 1519 |
| BD 300* | Purge | [-1-] [-2-] | 300 | 1080 | 636 | 5.5 | 7.4 | 0.20 | 2.90 | UD310+ | DDp310+ | 2" | 1434 x 1088 x 1828 | 56 x 44 x 79 | 777 | 1713 |
| BD 100* ZP | Zero Purge | [-1-] [-2-] | 100 | 350 | 212 | 3 | 4.0 | 0.20 | 2.90 | UD140+ | DDp130+ | 1 1/2" | 1131 x 896 x 1855 | 45 x 33 x 67 | 396 | 763 |
| BD 150* ZP | Zero Purge | [-1-] [-2-] | 150 | 540 | 318 | 3.4 | 4.6 | 0.20 | 2.90 | UD180+ | DDp170+ | 1 1/2" | 1311 x 971 x 1706 | 52 x 38 x 67 | 457 | 1008 |
| BD 185* ZP | Zero Purge | [-1-] [-2-] | 185 | 666 | 392 | 5 | 6.7 | 0.20 | 2.90 | UD220+ | DDp210+ | 1 1/2" | 1311 x 971 x 1706 | 52 x 38 x 67 | 496 | 1093 |
| BD 250* ZP | Zero Purge | [-1-] [-2-] | 250 | 900 | 530 | 6.4 | 8.6 | 0.20 | 2.90 | UD310+ | DDp310+ | 2" | 1444 x 1092 x 1791 | 57 x 39 x 71 | 632 | 1393 |
| BD 300* ZP | Zero Purge | [-1-] [-2-] | 300 | 1080 | 636 | 6.4 | 8.6 | 0.20 | 2.90 | UD310+ | DDp310+ | 2" | 1434 x 1088 x 1828 | 56 x 43 x 72 | 736 | 1623 |

Reference conditions BD*: Performance data per ISO 7183:2007. Compressor air inlet temperature: 35 °C/100 °F. Inlet relative humidity: 100%.

Reference conditions BD* ZP (Zero Purge): Performance data per ISO 7183:2007. Ambient air temperature: 25 °C/77 °F. Ambient air relative humidity: 60%.

CD 25*-260*

| Type | Pressure dewpoint | | ISO 8573-1 Class | Inlet capacity FAD 7 bar(e)/100 psig | | | Pressure drop excluding filters | | Filter size | | Connection size inlet/outlet | | Dimensions (L x W x H) | | Weight | |
|---------|-------------------|------|------------------|--------------------------------------|------|-----|---------------------------------|------|-------------|--------------|------------------------------|--------|------------------------|--------------------|--------|------|
| | °C | °F | | l/s | m³/h | cfm | bar | psig | Pre-filter | After-filter | 50Hz=G/PN16, 60Hz=NPT/DN | | mm | inch | kg | lbs |
| | | | | | | | | | | | 0.01 µm 0.01 ppm | 1 µm | | | | |
| CD 25* | -70 | -100 | [-1-] | 25 | 90 | 53 | 0.04 | 0.51 | UD25+ | DDp35+ | 1/2" | 1/2" | 394 x 807 x 1495 | 15.5 x 31.8 x 58.9 | 124 | 273 |
| CD 35* | -70 | -100 | [-1-] | 35 | 126 | 74 | 0.07 | 1.06 | UD45+ | DDp35+ | 1" | 1/2" | 394 x 827 x 1495 | 15.5 x 32.6 x 58.9 | 135 | 298 |
| CD 45* | -70 | -100 | [-1-] | 45 | 162 | 95 | 0.13 | 1.93 | UD45+ | DDp50+ | 1" | 1" | 394 x 847 x 1495 | 15.5 x 33.3 x 72.2 | 188 | 348 |
| CD 55* | -70 | -100 | [-1-] | 55 | 198 | 117 | 0.04 | 0.62 | UD60+ | DDp70+ | 1" | 1" | 564 x 847 x 1495 | 22.2 x 33.3 x 58.9 | 208 | 459 |
| CD 65* | -70 | -100 | [-1-] | 65 | 234 | 138 | 0.06 | 0.91 | UD100+ | DDp70+ | 1" | 1" | 564 x 877 x 1495 | 22.2 x 34.5 x 58.9 | 224 | 494 |
| CD 90* | -70 | -100 | [-1-] | 90 | 324 | 191 | 0.13 | 1.93 | UD100+ | DDp130+ | 1" | 1 1/2" | 564 x 907 x 1835 | 22.2 x 35.7 x 72.2 | 266 | 586 |
| CD 110* | -70 | -100 | [-1-] | 110 | 396 | 233 | 0.18 | 2.61 | UD140+ | DDp130+ | 1 1/2" | 1 1/2" | 734 x 907 x 1495 | 28.9 x 35.7 x 58.9 | 320 | 705 |
| CD 130* | -70 | -100 | [-1-] | 130 | 468 | 275 | 0.12 | 1.78 | UD140+ | DDp130+ | 1 1/2" | 1 1/2" | 734 x 907 x 1835 | 28.9 x 35.7 x 72.2 | 375 | 827 |
| CD 165* | -70 | -100 | [-1-] | 165 | 594 | 350 | 0.11 | 1.62 | UD180+ | DDp170+ | 1 1/2" | 1 1/2" | 929 x 907 x 1835 | 36.6 x 35.7 x 72.2 | 477 | 1052 |
| CD 195* | -70 | -100 | [-1-] | 195 | 702 | 413 | 0.16 | 2.26 | UD220+ | DDp210+ | 1 1/2" | 1 1/2" | 929 x 907 x 1835 | 36.6 x 35.7 x 72.2 | 477 | 1052 |
| CD 260* | -40 | -40 | [-2-] | 260 | 936 | 551 | 0.28 | 4.03 | UD25+ | DDp35+ | 1/2" | 1/2" | 394 x 807 x 1205 | 15.5 x 31.8 x 47.4 | 100 | 220 |
| CD 35* | -40 | -40 | [-2-] | 35 | 126 | 74 | 0.07 | 0.94 | UD45+ | DDp35+ | 1" | 1/2" | 394 x 827 x 1205 | 15.5 x 32.6 x 47.4 | 109 | 240 |
| CD 45* | -40 | -40 | [-2-] | 45 | 162 | 95 | 0.11 | 1.65 | UD45+ | DDp50+ | 1" | 1" | 394 x 847 x 1495 | 15.5 x 33.3 x 58.9 | 128 | 282 |
| CD 55* | -40 | -40 | [-2-] | 55 | 198 | 117 | 0.18 | 2.61 | UD60+ | DDp70+ | 1" | 1" | 394 x 847 x 1495 | 15.5 x 33.3 x 58.9 | 140 | 309 |
| CD 65* | -40 | -40 | [-2-] | 65 | 234 | 138 | 0.28 | 4.03 | UD100+ | DDp70+ | 1" | 1" | 394 x 877 x 1835 | 15.5 x 34.5 x 72.2 | 165 | 364 |
| CD 90* | -40 | -40 | [-2-] | 90 | 324 | 191 | 0.11 | 1.65 | UD100+ | DDp130+ | 1" | 1 1/2" | 564 x 907 x 1495 | 22.2 x 35.7 x 58.9 | 217 | 478 |
| CD 110* | -40 | -40 | [-2-] | 110 | 396 | 233 | 0.18 | 2.61 | UD140+ | DDp130+ | 1 1/2" | 1 1/2" | 564 x 907 x 1495 | 22.2 x 35.7 x 58.9 | 234 | 516 |
| CD 130* | -40 | -40 | [-2-] | 130 | 468 | 275 | 0.28 | 4.03 | UD140+ | DDp130+ | 1 1/2" | 1 1/2" | 564 x 907 x 1835 | 22.2 x 35.7 x 72.2 | 276 | 608 |
| CD 165* | -40 | -40 | [-2-] | 165 | 594 | 350 | 0.18 | 2.61 | UD180+ | DDp170+ | 1 1/2" | 1 1/2" | 734 x 907 x 1495 | 28.9 x 35.7 x 58.9 | 331 | 730 |
| CD 195* | -40 | -40 | [-2-] | 195 | 702 | 413 | 0.28 | 4.03 | UD220+ | DDp210+ | 1 1/2" | 1 1/2" | 734 x 907 x 1835 | 28.9 x 35.7 x 72.2 | 389 | 858 |
| CD 260* | -40 | -40 | [-2-] | 260 | 936 | 551 | 0.28 | 4.03 | UD310+ | DDp310+ | 2" | 2" | 929 x 965 x 1835 | 36.6 x 38.8 x 72.2 | 500 | 1102 |
| CD 25* | -20 | -5 | [-3-] | 25 | 90 | 53 | 0.03 | 0.45 | UD25+ | DDp35+ | 1/2" | 1/2" | 394 x 807 x 1205 | 15.5 x 31.8 x 47.4 | 100 | 220 |
| CD 35* | -20 | -5 | [-3-] | 35 | 126 | 74 | 0.06 | 0.87 | UD45+ | DDp35+ | 1" | 1/2" | 394 x 827 x 1205 | 15.5 x 32.6 x 47.4 | 101 | 223 |
| CD 45* | -20 | -5 | [-3-] | 45 | 162 | 95 | 0.11 | 1.55 | UD45+ | DDp50+ | 1" | 1" | 394 x 847 x 1205 | 15.5 x 33.3 x 47.4 | 110 | 243 |
| CD 55* | -20 | -5 | [-3-] | 55 | 198 | 117 | 0.17 | 2.48 | UD60+ | DDp70+ | 1" | 1" | 394 x 847 x 1495 | 15.5 x 33.3 x 58.9 | 128 | 282 |
| CD 65* | -20 | -5 | [-3-] | 65 | 234 | 138 | 0.25 | 3.64 | UD100+ | DDp70+ | 1" | 1" | 394 x 877 x 1495 | 15.5 x 34.5 x 58.9 | 141 | 311 |
| CD 90* | -20 | -5 | [-3-] | 90 | 324 | 191 | 0.53 | 7.72 | UD100+ | DDp130+ | 1" | 1 1/2" | 564 x 907 x 1835 | 15.5 x 35.7 x 72.2 | 167 | 368 |
| CD 110* | -20 | -5 | [-3-] | 110 | 396 | 233 | 0.17 | 2.48 | UD140+ | DDp130+ | 1 1/2" | 1 1/2" | 564 x 907 x 1495 | 22.2 x 35.7 x 58.9 | 218 | 481 |
| CD 130* | -20 | -5 | [-3-] | 130 | 468 | 275 | 0.25 | 3.64 | UD140+ | DDp130+ | 1 1/2" | 1 1/2" | 564 x 907 x 1495 | 22.2 x 35.7 x 58.9 | 234 | 516 |
| CD 165* | -20 | -5 | [-3-] | 165 | 594 | 350 | 0.45 | 6.48 | UD180+ | DDp170+ | 1 1/2" | 1 1/2" | 564 x 907 x 1835 | 22.2 x 35.7 x 72.2 | 277 | 611 |
| CD 195* | -20 | -5 | [-3-] | 195 | 702 | 413 | 0.25 | 3.64 | UD220+ | DDp210+ | 1 1/2" | 1 1/2" | 734 x 907 x 1495 | 28.9 x 35.7 x 58.9 | 331 | 730 |
| CD 260* | -20 | -5 | [-3-] | 260 | 936 | 551 | 0.49 | 7.16 | UD310+ | DDp310+ | 2" | 2" | 734 x 965 x 1835 | 28.9 x 38.8 x 72.2 | 394 | 869 |

CD 110*-300*

| Type | ISO 8573-1 Class | Inlet capacity FAD 7 bar(e)/100 psig | | | Pressure drop excluding filters | | Filter size | | Connection size inlet/outlet | | Dimensions (L x W x H) | | Weight | |
|---------|------------------|--------------------------------------|------|-----|---------------------------------|------|-------------|--------------|------------------------------|--------|------------------------|--------------------|--------|------|
| | | l/s | m³/h | cfm | bar(e) | psig | Pre-filter | After-filter | 50Hz=G/PN16, 60Hz=NPT/DN | | mm | inch | kg | lbs |
| | | | | | | | | | 0.01 µm 0.01 ppm | 1 µm | | | | |
| CD 110* | [-1-] [-2-] | 107 | 385 | 227 | 0.09 | 1.31 | UD140+ | DDp130+ | 1 1/2" | 1 1/2" | 950 x 728 x 1695 | 37.5 x 28.7 x 66.7 | 340 | 750 |
| CD 150* | [-1-] [-2-] | 150 | 540 | 318 | 0.16 | 2.32 | UD180+ | DDp170+ | 1 1/2" | 1 1/2" | 1089 x 848 x 1731 | 42.9 x 33.4 x 68.1 | 415 | 915 |
| CD 185* | [-1-] [-2-] | 185 | 666 | 392 | 0.10 | 1.45 | UD220+ | DDp210+ | 1 1/2" | 1 1/2" | 1089 x 848 x 1731 | 42.9 x 33.4 x 68.1 | 445 | 981 |
| CD 250* | [-1-] [-2-] | 250 | 900 | 530 | 0.09 | 1.31 | UD310+ | DDp310+ | 2" | 2" | 1106 x 960 x 1816 | 43.5 x 37.8 x 71.5 | 600 | 1323 |
| CD 300* | [-1-] [-2-] | 300 | 1080 | 636 | 0.10 | 1.45 | UD310+ | DDp310+ | 2" | 2" | 1173 x 1116 x 1854 | 46.2 x 43.9 x 73.0 | 650 | 1433 |

CD 1*-22*

| Type | ISO 8573-1 Class | Inlet capacity FAD 7 bar(e)/100 psig | | | Pressure drop excluding filters | | Filter size | | Dimensions (L x W x H) | | Weight | |
|---------|------------------|--------------------------------------|------|------|---------------------------------|------|-------------|--------------|------------------------|-----------------|--------|------|
| | | l/s | m³/h | cfm | bar(e) | psig | Pre-filter | After-filter | mm | inch | kg | lbs |
| | | | | | | | | | | | | |
| CD 1* | [-1-] [-2-] | 1 | 3.6 | 2.1 | 0.01 | 0.15 | PD3+ | PD3+ | 106 x 197 x 560 | 4.2 x 8 x 21.2 | 7 | 15.4 |
| CD 1.5* | [-1-] [-2-] | 1.5 | 5.4 | 3.2 | 0.02 | 0.29 | PD3+ | PD3+ | 106 x 197 x 560 | 4.2 x 8 x 23.2 | 8 | 17.6 |
| CD 2* | [-1-] [-2-] | 2 | 7.2 | 4.2 | 0.04 | 0.58 | PD3+ | PD3+ | 106 x 197 x 720 | 4.2 x 8 x 28.3 | 9 | 19.8 |
| CD 2.5* | [-1-] [-2-] | 2.5 | 9.0 | 5.2 | 0.06 | 0.87 | PD3+ | PD3+ | 106 x 197 x 885 | 4.2 x 8 x 32.9 | 10 | 22 |
| CD 3* | [-1-] [-2-] | 3 | 10.8 | 6.4 | 0.09 | 1.30 | PD3+ | PD3+ | 106 x 197 x 855 | 4.2 x 8 x 33.7 | 11 | 24.3 |
| CD 5* | [-1-] [-2-] | 5 | 18.0 | 10.6 | 0.08 | 1.16 | PD10+ | PD10+ | 149 x 320 x 840 | 5.9 x 13 x 25.2 | 19 | 41.8 |
| CD 7* | [-1-] [-2-] | 7 | 25.2 | 14.8 | 0.15 | 2.22 | PD10+ | PD10+ | 149 x 320 x 725 | 5.9 x 13 x 28.5 | 22 | 48.5 |
| CD 10* | [-1-] [-2-] | 10 | 36.0 | 21.2 | 0.038 | 0.55 | PD10+ | PD10+ | 149 x 320 x 875 | 5.9 x 13 x 34.4 | 25 | 55.1 |
| CD 12* | [-1-] [-2-] | 12 | 43.2 | 25.4 | 0.06 | 0.87 | PD20+ | PD20+ | 149 x 320 x 1015 | 5.9 x 13 x 39.9 | 29 | 63.9 |
| CD 17* | [-1-] [-2-] | 17 | 61.2 | 36.0 | 0.06 | 0.87 | PD20+ | PD20+ | 149 x 320 x 1270 | 5.9 x 13 x 49.9 | 35 | 77.2 |
| CD 22* | [-1-] [-2-] | 22 | 79.2 | 46.6 | 0.19 | 2.76 | PD20+ | PD20+ | 149 x 320 x 1505 | 5.9 x 13 x 58.3 | 44 | 97 |

CD 25-260