



# Refrigerated Compressed Air Dryers




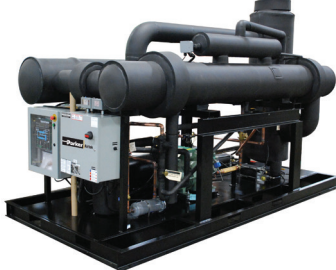
Product Selection

aerospace  
climate control  
electromechanical  
**filtration**  
fluid & gas handling  
hydraulic  
pneumatic  
process control  
sealing & shielding

# Parker Airtek Refrigerated Compressed Air Dryers



| Model<br>(Flow)                          | ZDHH<br>(15 - 100 scfm)   | PRD<br>(10 - 175 scfm)  | PNC<br>(200 - 1,200 scfm)   |
|--|---|---|---|
| Mode of Operation                        | Non-cycling<br>Direct Expansion                                       | Non-cycling<br>Direct Expansion                                       | Non-cycling<br>Direct Expansion                                       |
| Refrigerant                              | R134a   | R134a   | R404a   |
| Air System                               | Advanced 5 in 1 drying system<br>(Aluminum / Stainless Steel)         | 3 in 1 heat exchanger<br>(Aluminum / Stainless Steel)                 | 4 in 1 heat exchanger<br>(Aluminum Block)                             |
| Code                                     | cETLus  | cETLus<br>CRN (Ontario, Quebec, and<br>Saskatchewan only)             | cETLus<br>CRN (All Provinces)   |
| Control Type                             | Electromechanical   | Electromechanical   | Electromechanical   |
| Compressor                               | Hermetic Piston   | Hermetic Piston   | Hermetic Piston   |
| Condenser                                | Air Cooled Only   | Air Cooled Only   | Air Cooled Only   |
| Separator Type                           | Demister Pad  | Demister Pad  | Demister Pad  |
| Electrical Protection                    | IP20  | IP20  | IP20  |
| Drain Type                               | Float   | PRD10<br>(Float)<br>PRD15 - PRD175<br>(Timed Drain)                   | Timed Drain   |
| Dewpoint                                 | ISO8573-1:2010<br>Air Quality Class 6                                 | ISO8573-1:2010<br>Air Quality Class 6                                 | ISO8573-1:2010<br>Air Quality Class 5                                 |
| Maximum Operating Pressure               | 232 psig (16 bar)   | 232 psig (16 bar)   | 203 psig (14 bar)   |
| Maximum Inlet Temperature                | 200°F (93°C)<br>(use correction factors<br>if exceeding 180°F (82°C)) | 140°F (60°C)<br>(use correction factors if<br>exceeding 100°F (38°C)) | 140°F (60°C)<br>(use correction factors<br>if exceeding 100°F (38°C)) |
| Minimum / Maximum<br>Ambient Temperature | 41°F (5°C) / 115°F (46°C)   | 41°F (5°C) / 122°F (50°C)   | 41°F (5°C) / 115°F (46°C)   |
| Pre-filtration                           | Internal (std)  | Required  | Required  |

|  |   |  |   |
|--|---|--|---|
|  |  |                |  |
| <b>DRD</b><br>(200 - 3,000 scfm)   | <b>PTM</b><br>(200 - 1,000 scfm)  | <b>SCP</b><br>(1,250 - 3,000 scfm)   | <b>MSC</b><br>(4,000 - 25,000 scfm)   |
| Non-cycling<br>DRD200 - DRD250<br>Cycling<br>DRD265 - DRD3000                    | Thermal Mass Cycling  | Cycling - Tri Mode<br>(Load / No Load)<br>(Start / Stop)<br>(Auto Select)                        | Cycling -<br>(Load / No Load)<br>(Start / Stop)                                     |
| R407c  | R404c   | R404a  | R404a   |
| 4 in 1 heat exchanger<br>(Aluminum Block)  | 4 in 1 heat exchanger<br>(Aluminum Block)   | Tube and shell with cold coalescer<br>(Two Stage)  | Tube and shell with cold coalescer<br>(Two Stage)                                   |
| cETLus<br>CRN (Except Alberta, New-<br>foundland, and Labrador)                  | cETLus<br>CRN (All Provinces)   | cETLus<br>CRN (Optional)   | cETLus<br>CRN (Optional)  |
| Microprocessor   | Microprocessor  | Microprocessor   | Microprocessor  |
| DRD200 - DRD325<br>(Hermetic Piston)<br>DRD400 - DRD3000<br>(Scroll Compressor)  | Hermetic Piston   | Hermetic Piston  | Semi-Hermetic<br>Cylinder Unloading   |
| Air Cooled (Standard)<br>Water Cooled (Optional)<br>(DRD700 - DRD3000)           | Air Cooled (Standard)<br>Water Cooled (Optional)<br>(PTM250 - PTM1000)            | Air Cooled (Standard)<br>Water Cooled (Optional)   | Water Cooled (Standard)<br>Remote Air Cooled (Optional)                             |
| Demister Pad   | Demister Pad  | Two Stage<br>Cold Coalescing Filter  | Two Stage<br>Cold Coalescing Filter   |
| NEMA 1   | NEMA 1  | NEMA 1   | NEMA 1  |
| DRD200 - DRD250<br>(Timed Drain)<br>DRD325 - DRD3000<br>(Zero Air Loss Drain)    | PTM200 - PTM325<br>(Timed Drain)<br>PTM400 - PTM1000<br>(Zero Air Loss Drain)     | Zero Air Loss Drain (Qty. 2)   | Zero Air Loss Drain (Qty. 2)  |
| ISO8573-1:2010<br>Air Quality Class 5  | ISO8573-1:2010<br>Air Quality Class 5   | ISO8573-1:2010<br>Air Quality Class 4 to 5   | ISO8573-1:2010<br>Air Quality Class 4 to 5  |
| 203 psig (14 bar)  | 200 psig (13.8 bar)   | SCP1200 - SCP1500<br>(200 psig (13.8 bar) std)<br>SCP2000 - SCP3000<br>(150 psig (10.3 bar) std) | 150 psig (10.3 bar) std   |
| 140°F (60°C)<br>(use correction factors if<br>exceeding 100°F (38°C))            | 140°F (60°C)<br>(use correction factors<br>if exceeding 100°F (38°C))             | 131°F (55°C)<br>(use correction factors<br>if exceeding 100°F (38°C))                            | 131°F (55°C)<br>(use correction factors<br>if exceeding 100°F (38°C))               |
| 41°F (5°C) / 122°F (50°C)  | 41°F (5°C) / 115°F (46°C)   | 41°F (5°C) / 115°F (46°C)  | 41°F (5°C) / 115°F (46°C)   |
| Required   | Required  | Recommended  | Recommended   |

# Worldwide Filtration Manufacturing Locations

## North America

### Compressed Air Treatment Filtration & Separation/Balston

Haverhill, MA  
978 858 0505  
[www.parker.com/balston](http://www.parker.com/balston)

### Finite Airtex Filtration Airtex/donnick hunter/Zander

Lancaster, NY  
716 686 6400  
[www.parker.com/faf](http://www.parker.com/faf)

### Finite Airtex Filtration/Finite

Oxford, MI  
248 628 6400  
[www.parker.com/faf](http://www.parker.com/faf)

### Engine Filtration & Water Purification Racor

Modesto, CA  
209 521 7860  
[www.parker.com/racor](http://www.parker.com/racor)

Holly Springs, MS  
662 252 2656  
[www.parker.com/racor](http://www.parker.com/racor)

Beaufort, SC  
843 846 3200  
[www.parker.com/racor](http://www.parker.com/racor)

### Racor – Village Marine Tec.

Gardena, CA  
310 516 9911  
[desalination.parker.com](http://desalination.parker.com)

### Parker Sea Recovery

Carson, CA  
310 637 3400  
[www.searecovery.com](http://www.searecovery.com)

### Hydraulic Filtration Hydraulic Filter

Metamora, OH  
419 644 4311  
[www.parker.com/hydraulicfilter](http://www.parker.com/hydraulicfilter)

Laval, QC Canada  
450 629 9594  
[www.parkerfarr.com](http://www.parkerfarr.com)

### Process Filtration donnick hunter Process Filtration

Oxnard, CA  
805 604 3400  
[www.parker.com/processfiltration](http://www.parker.com/processfiltration)

Madison, WI  
608 824 0500  
[www.scilog.com](http://www.scilog.com)

Phoenixville, PA  
610 933 1600  
[www.parker.com/processfiltration](http://www.parker.com/processfiltration)

### Aerospace Filtration

Velcon Filtration  
Colorado Springs, CO  
719 531 5855  
[www.velcon.com](http://www.velcon.com)

## Europe

### Compressed Air Treatment donnick hunter Filtration & Separation

Gateshead, England  
+44 (0) 191 402 9000  
[www.parker.com/dhfn](http://www.parker.com/dhfn)

### Parker Gas Separations

Etten-Leur, Netherlands  
+31 76 508 5300  
[www.parker.com/dhfn](http://www.parker.com/dhfn)

### Hiross Zander

Padova Business Unit  
Padova, Italy  
+39 049 9712 111  
[www.parker.com/hzd](http://www.parker.com/hzd)

### Hiross Zander

Essen Business Unit  
Essen, Germany  
+49 2054 9340  
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### Engine Filtration & Water Purification Racor

Dewsbury, England  
+44 (0) 1924 487 000  
[www.parker.com/rfde](http://www.parker.com/rfde)

### Racor Research & Development

Stuttgart, Germany  
+49 (0)711 7071 290-10  
[www.parker.com/rfde](http://www.parker.com/rfde)

### Hydraulic Filtration

Hydraulic Filter  
Arnhem, Holland  
+31 26 3760376  
[www.parker.com/hfde](http://www.parker.com/hfde)

### Ujala Operation

Ujala, Finland  
+358 20 753 2500  
[www.parker.com/hfde](http://www.parker.com/hfde)

### Condition Monitoring Centre

Norfolk, England  
+44 (0) 1842 763 299  
[www.parker.com/hfde](http://www.parker.com/hfde)

### Parker Kittiwake

West Sussex, England  
+44 (0) 1903 731 470  
[www.kittiwake.com](http://www.kittiwake.com)

### Parker Procal

Peterborough, England  
+44 (0) 1733 232 495  
[www.kittiwake.com](http://www.kittiwake.com)

### Process Filtration

donnick hunter Process Filtration  
Birtley, England  
+44 (0) 191 410 5121  
[www.parker.com/processfiltration](http://www.parker.com/processfiltration)

### Parker Twin Filter BV

Zaandam, Netherlands  
+31(0)75 655 50 00  
[www.twinfilter.com](http://www.twinfilter.com)

## Asia Pacific

### Australia

Castle Hill, Australia  
+61 2 9634 7777  
[www.parker.com/australia](http://www.parker.com/australia)

### China

Shanghai, China  
+86 21 5031 2525  
[www.parker.com/china](http://www.parker.com/china)

### India

Navi Mumbai, India  
+91 22 651 370 8185  
[www.parker.com/india](http://www.parker.com/india)

### Parker Fowler

Bangalore, India  
+91 80 2783 6794  
[www.johnfowlerindia.com](http://www.johnfowlerindia.com)

### Japan

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+81 45 870 1522  
[www.parker.com/japan](http://www.parker.com/japan)

### Parker Techno

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+81 66 340 1600  
[www.techno.taiyo-ltd.co.jp](http://www.techno.taiyo-ltd.co.jp)

### Korea

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+82 31 359 0852  
[www.parker.com/korea](http://www.parker.com/korea)

### Singapore

Jurong Town, Singapore  
+65 6887 6300  
[www.parker.com/singapore](http://www.parker.com/singapore)

### Thailand

Bangkok, Thailand  
+66 2186 7000  
[www.parker.com/thailand](http://www.parker.com/thailand)

## Latin America

### Parker Comercio Ltda. Filtration Division

Sao Paulo, Brazil  
+55 12 4009 3500  
[www.parker.com/br](http://www.parker.com/br)

### Pan American Division

Miami, FL  
305 470 8800  
[www.parker.com/panam](http://www.parker.com/panam)

## Africa

Aeroporto Kempton Park, South Africa  
+27 11 9610700  
[www.parker.com/africa](http://www.parker.com/africa)

