DF SERIES FILTERS
FOR CLEAN COMPRESSED AIR

› HIGH EFFECTIVE FILTRATION AREA & HIGH DIRT HOLDING CAPACITY
› DUAL INDICATOR REMOVABLE GAUGE
› LOW PRESSURE DROP
› EASY INSTALLATION & REPLACEMENT OF FILTER ELEMENTS
› PROPRIETARY CORROSION-RESISTANT COATING
› PATENTED SMOOTH BORE FLOW INSERT
› 4 TYPES OF CARTRIDGES AVAILABLE FOR ALL CANISTERS
› CRN REGISTERED CANISTERS

Distributed by: CENTRAIR Air Systems & Supplies, Tel: 705-722-5747  Email: sales@centair.ca  www.centair.ca
Compressed air treatment is critical in ensuring an efficient and reliable compressed air system. DF Series air filters are engineered to be a comprehensive filtration solution for your compressed air system requirements, ensuring the delivery of clean, high quality air according to ISO 8573.1 compressed air quality standards.

DF Series Air Filters effectively reduce contamination in your air stream, protecting critical processes and valuable equipment, while maintaining a low pressure drop (Dry Filter: 0.30 to 0.44 psi / Wet Filter 1.45 psi) throughout the life of the filter element to ensure an efficiently operating compressed air system.

The all-aluminum, precision die cast filter canister body with a proprietary internal and external surface coating is suitable for high temperature (100º C/212ºF) and high pressure (290 PSI) applications, while providing increased corrosion protection in harsh industrial environments.

CRN Registered Canisters

AUTO BODYSHOP INSTALLATION EXAMPLE

DF Series air filters are configured in sequence to achieve a specified class of air quality standard. Auto body repair shops using a spray paint booth typically require class 1.4.2, ISO 8573.1.

Class 1.4.2 is achieved by employing the following:
1. DF65A (1 MICRON Pre-Filter)
2. Refrigerated Air Dryer
3. DF65P (0.1 MICRON)
4. DF65E (0.01 MICRON)

To learn more reference:
dvcompressors.com/compressedairtreatment.pdf
A SERIES
1 MICRON
Mechanical coalescing filter removes large liquid loads, oil aerosols & particles 1 Micron in size or larger.

P SERIES
0.1 MICRON
Mechanical coalescing filter removes liquid loads, oil aerosols & particles 0.1 Micron in size or larger.

E SERIES
0.01 MICRON
Mechanical coalescing filter removes liquid loads, oil aerosols & particles 0.01 Micron in size or larger.

V SERIES
CARBON
Activated carbon adsorbent filter removes oil vapor and odor.

4 TYPES OF CARTRIDGES AVAILABLE FOR ALL CANISTERS

Filter connection kits
Wall support kits

DF SERIES
AIR FILTER ACCESSORIES
Wall Support Kits & Filter Connection Kits

PART # | KIT TYPE
--- | ---
DF004 | FILTER CONNECTION KIT for DF18-24
DF005 | FILTER CONNECTION KIT for DF65
DF006 | FILTER CONNECTION KIT for DF112-294
DF007 | FILTER CONNECTION KIT for DF471
DF008 | WALL SUPPORT KIT for DF18-24
DF009 | WALL SUPPORT KIT for DF65
DF010 | WALL SUPPORT KIT for DF112-294
DF011 | WALL SUPPORT KIT for DF471

DF SERIES
AIR FILTER MODELS

<table>
<thead>
<tr>
<th>Canister</th>
<th>Gauge</th>
<th>Auto Drain</th>
<th>CFM</th>
<th>Canister Dim.</th>
<th>1 micron Coalescing Element</th>
<th>0.1 micron Coalescing Element</th>
<th>0.01 micron Coalescing Element</th>
<th>Carbon Element</th>
<th>Pipe Conn.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DF18C</td>
<td>DF001</td>
<td>DF003</td>
<td>18</td>
<td>2.99</td>
<td>9.06</td>
<td>DF18A</td>
<td>DF18P</td>
<td>DF18E</td>
<td>DF18V</td>
</tr>
<tr>
<td>DF24C</td>
<td>DF001</td>
<td>DF003</td>
<td>24</td>
<td>2.99</td>
<td>9.06</td>
<td>DF24A</td>
<td>DF24P</td>
<td>DF24E</td>
<td>DF24V</td>
</tr>
<tr>
<td>DF65C</td>
<td>DF002</td>
<td>DF003</td>
<td>65</td>
<td>3.86</td>
<td>11.22</td>
<td>DF65A</td>
<td>DF65P</td>
<td>DF65E</td>
<td>DF65V</td>
</tr>
<tr>
<td>DF153C</td>
<td>DF002</td>
<td>DF003</td>
<td>112</td>
<td>5.08</td>
<td>12.8</td>
<td>DF112A</td>
<td>DF112P</td>
<td>DF112E</td>
<td>DF112V</td>
</tr>
<tr>
<td>DF294C</td>
<td>DF002</td>
<td>DF003</td>
<td>294</td>
<td>5.08</td>
<td>16.34</td>
<td>DF294A</td>
<td>DF294P</td>
<td>DF294E</td>
<td>DF294V</td>
</tr>
<tr>
<td>DF471C</td>
<td>DF002</td>
<td>DF003</td>
<td>471</td>
<td>6.69</td>
<td>20.59</td>
<td>DF471A</td>
<td>DF471P</td>
<td>DF471E</td>
<td>DF471V</td>
</tr>
</tbody>
</table>

Correction Factor for Different Working Pressures

<table>
<thead>
<tr>
<th>psi</th>
<th>43</th>
<th>57</th>
<th>73</th>
<th>85</th>
<th>100</th>
<th>115</th>
<th>130</th>
<th>145</th>
<th>160</th>
<th>175</th>
<th>189</th>
<th>200</th>
<th>218</th>
<th>228</th>
</tr>
</thead>
<tbody>
<tr>
<td>Factor</td>
<td>0.65</td>
<td>0.74</td>
<td>0.85</td>
<td>0.92</td>
<td>1.00</td>
<td>1.07</td>
<td>1.13</td>
<td>1.19</td>
<td>1.25</td>
<td>1.31</td>
<td>1.36</td>
<td>1.40</td>
<td>1.46</td>
<td>1.5</td>
</tr>
</tbody>
</table>
Clean, dry air is critical in many applications, as well as essential in ensuring an air system’s reliability and efficiency. Employing an air dryer and proper filtration ensures the delivery of clean, cool, dry compressed air, preventing moisture and contaminants from reaching sensitive areas downstream from the air compressor. DV Systems offers a comprehensive range of compressed air treatment solutions.

### Refrigerated Air Dryers
ProDry® standard (ASD) and high temperature (HTD) refrigerated air dryers are micro-processor controlled, ensuring a stable dew-point temperature. All ProDry ASD and HTD air dryers are equipped with a 2-stage heat-exchanger, improving efficiency and energy savings, and include a high-efficiency condensate separator and large surface-area refrigerant condenser.

### Electronic Zero Loss Auto Drain
Part #KK-9860
An electronic auto drain ensures that any potential condensate is discharged regularly and automatically, optimizing system performance.

### Ecotron Condensate Filtration
The Ecotron Condensate Filtering System ensures that all contaminants contained in discharged condensate are effectively removed. The Ecotron Condensate Filtering System is easy to size, install & maintain.

---

**FOR MORE INFORMATION VISIT**
DVCOMPRESSORS.COM

---

**ATTENTION: TO MAINTAIN WARRANTY PLEASE USE ONLY ORIGINAL SERVICE PARTS AND OFFICIAL DV SYSTEMS MAINTENANCE KITS, AS WE ARE COMMITTED TO CONTINUOUS IMPROVEMENT AND INNOVATION OF OUR PRODUCTS, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.**

---

**DV Systems Canada**
490 Welham Rd., Barrie, ON L4N 8Z4
Phone: 705 728-5657, Fax: 705 728-4974
sales@dvcompressors.com  
dvcompressors.com

**DV Systems USA**
128-B Talbert Rd., Mooresville, NC 28117
Phone: 704 799-0046, Fax: 704 799-0355
orders@dvcompressors.com