

1 to  
0.01 micron



## 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



**BUILT BETTER**



# DF SERIES AIR FILTERS FOR CLEAN COMPRESSED AIR

**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 (100° C/212°F) and high pressure (290 PSI) applications, while providing increased corrosion protection in harsh industrial environments.

➤ **CRN Registered Canisters**



- A DUAL INDICATOR REMOVABLE GAUGE**  
DIFFERENTIAL PRESSURE DROP & OPERATING EFFICIENCY
- B PATENTED SMOOTH BORE FLOW INSERT**  
MINIMIZES TURBULENCE & PRESSURE LOSSES
- C ALL ALUMINUM DIE-CAST BODY**  
HIGH TEMP. (100°C/212°F) & HIGH PRESSURE (290 PSI)
- D PROPRIETARY CORROSION-RESISTANT COATING**  
ENHANCED CORROSION PROTECTION IN HARSH ENVIRONMENTS
- E FILTER ELEMENT WITH STAINLESS STEEL MESH**  
OPTIMIZES AIR SYSTEM EFFICIENCY
- F ERGONOMIC BOWL DESIGN WITH NO-TOUCH FILTER**  
DISCHARGES ACCUMULATED CONDENSATE & OIL RELIABLY
- G TIME STRIP LABEL**  
INDICATES FILTER ELEMENT CHANGE TIME (V-SERIES ONLY)
- H INDUSTRIAL-GRADE BRASS FLOAT DRAIN**  
DISCHARGES ACCUMULATED CONDENSATE & OIL RELIABLY
- I DEEP-PLEATED FILTER MEDIA**  
MAXIMIZES FILTRATION EFFICIENCY & MINIMIZES PRESSURE LOSS
- J HIGH-EFFICIENCY DRAINAGE LAYER**  
IMPROVES LIQUID DRAINAGE
- K SIMPLE VISUAL ALIGNMENT**  
SIMPLIFIES FILTER INSTALLATION AND REPLACEMENT

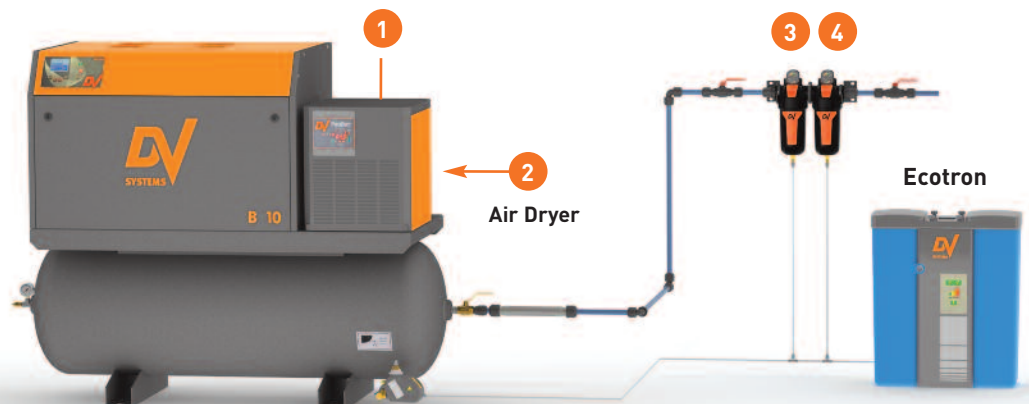
## AUTO BODYSHOP INSTALLATION EXAMPLE

**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)

**Huron B10 AirSystem** (Includes 1 Micron Pre-Filter & Refrigerated Air Dryer)



To learn more reference:  
[dvcompressors.com/compressedairtreatment.pdf](http://dvcompressors.com/compressedairtreatment.pdf)

## 4 TYPES OF CARTRIDGES AVAILABLE FOR ALL CANISTERS



### 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.



## 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

Canister	Gauge	Auto Drain	CFM	Canister Dim.		1 micron Coalescing Element	0.1 micron Coalescing Element	0.01 micron Coalescing Element	Carbon Element	Pipe Conn.
				Diam.	Height					
DF18C	DF001	DF003	18	2.99	9.06	DF18A	DF18P	DF18E	DF18V	3/8"
DF24C	DF001	DF003	24	2.99	9.06	DF24A	DF24P	DF24E	DF24V	1/2"
DF65C	DF002	DF003	65	3.86	11.22	DF65A	DF65P	DF65E	DF65V	3/4"
DF153C	DF002	DF003	112	5.08	12.8	DF112A	DF112P	DF112E	DF112V	1"
DF294C	DF002	DF003	294	5.08	16.34	DF294A	DF294P	DF294E	DF294V	1 1/2"
DF471C	DF002	DF003	471	6.69	20.59	DF471A	DF471P	DF471E	DF471V	2"

### Correction Factor for Different Working Pressures

psi	43	57	73	85	100	115	130	145	160	175	189	200	218	228
Factor	0.65	0.74	0.85	0.92	1.00	1.07	1.13	1.19	1.25	1.31	1.36	1.40	1.46	1.5



# DF SERIES AIR FILTERS FOR CLEAN COMPRESSED AIR

## COMPRESSED AIR TREATMENT ACCESSORIES

**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](http://DVCOMPRESSORS.COM)

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