



Demand Donaldson

# Liquid Filtration Solutions for SCR Systems



## Superior AdBlue® Filtration

In order to meet current and future Exhaust Emission Regulation, Selective Catalytic Reduction (SCR) are fitted with liquid AdBlue® (urea) injection systems which require high performance and reliable filtration.

AdBlue® is a mixture of 32,5% urea and 67,5% demineralized water used to control NOx emissions. When injected in SCRs, NOx will convert into harmless N<sub>2</sub> and H<sub>2</sub>O. Donaldson provides industry-leading filtration expertise for AdBlue® liquids.

At Donaldson, we have the engineering know-how and the manufacturing resources to provide unique and proprietary interface solutions to better meet your emission requirements. A variety of AdBlue® filtration alternatives are available exclusively from Donaldson.

# Filtration Technology at its Best:

## DENOXTRONIC 1.0

Donaldson understands complex emissions challenges and the need for robust AdBlue® filtration required by original equipment manufacturers. Our metal free filters will meet or exceed industry performance requirements. The design of filter and compressible devices allows to

outperform and provide longer life than usual filters using EPDM compressible pads. Donaldson is partnering with OED and AM Distributors to integrate unique and innovative AdBlue® filtration solutions.

### Product Performance

- ▶ Standard and custom design options available
- ▶ Extensive media coverage for efficiency and capacity needs, including customized media offerings
- ▶ Compressible devices absorb AdBlue® volume expansion at low temperatures ( $\leq -11^{\circ}\text{C} / 12^{\circ}\text{F}$ ), adapting to extreme freezing conditions
  - They will not wear down or deteriorate during the filter's useful service life
  - They are compatible with AdBlue® liquid as well as diesel fuel and other types of engine liquids

### Application Flexibility

- ▶ Service choice based on local market demands
- ▶ Metal-free and environmentally friendly

### Global Support

- ▶ Worldwide engineering, manufacturing and distribution resources are ready to meet your needs anywhere

### Service Parts Protection

- ▶ Ability to provide custom design configurations in a variety of shapes and sizes

**COMPRESSIBLE DEVICE  
(BOTTOM VIEW)**



**DRAIN SCREW  
INSTALLATION**

**SEAL**



**FILTER MEDIA**

# Your Best Choice for Filtration Technology



## X770733 COMPETITIVE CROSS REFERENCES

| NAME             | TEILENR.    |
|------------------|-------------|
| CUMMINS          | 3967874     |
| DAF              | 1649425     |
| SOLARIS BUS (PL) | 120322535   |
| VOLVO            | 20713630    |
| VOLVO            | 20713636    |
| DAF              | 1674458     |
| DAF              | 1789050     |
| DAF              | 1815766     |
| DAF              | 1819795     |
| DAF              | 42553548    |
| DAF              | 649425      |
| HENGST           | E101UD178   |
| IVECO            | 42553548    |
| IVECO            | 42561571    |
| IVECO            | 42562233    |
| MAN              | 81154036015 |
| MAN              | 81154036089 |
| MANN & HUMMEL    | U6202XKIT   |
| MANN & HUMMEL    | U6202YKIT   |
| MANN & HUMMEL    | U6203YKIT   |
| MANN & HUMMEL    | U6204XKIT   |
| NEOPLAN (NEOMAN) | 81154036015 |
| NISSAN/UD TRUCKS | 20421NY00J  |
| SCANIA           | 1545482     |
| SCANIA           | 1795459     |
| SCANIA           | 1852188     |
| SCANIA           | 1907422     |

## X770733 for Denoxtronic 1.0

### AdBlue® AdBlue® Filter Kit for AfterMarket Usage

#### PRIMARY APPLICATION:

- ▶ DAF 1819795

#### FITS:

- ▶ Bosch Denoxtronic 1.0 Urea Injection System

#### OVERALL DIMENSIONS:

- ▶ 69mm outer diameter
- ▶ 75mm overall length
- ▶ 33mm seal diameter

# Filtration Technology at its Best:

## DENOXTRONIC 2.0

Like the Denoxtronic 1.0 filter, our metal free filters will meet or exceed industry performance requirements. The design of filter and compressible devices allows to outperform and provide longer life than usual filters using EPDM compressible pads. Donaldson is partnering with OED and AM Distributors to integrate unique and innovative AdBlue® filtration solutions.

The second generation of Denoxtronic is in series production: in the first Denoxtronic generation, compressed air supports the injection of AdBlue. Denoxtronic 2.0 manages without the help of compressed air. It consists of fewer components, and can be fitted into a vehicle more easily.

### Product Performance

- ▶ Standard and custom design options available
- ▶ Extensive media coverage for efficiency and capacity needs, including customized media offerings
- ▶ Compressible devices absorb AdBlue® volume expansion at low temperatures ( $\leq -11^{\circ}\text{C}$  /  $12^{\circ}\text{F}$ ), adapting to extreme freezing conditions
  - They will not wear down or deteriorate during the filter's useful service life
  - They are compatible with AdBlue® liquid as well as diesel fuel and other types of engine liquids

### Global Support

- ▶ Worldwide engineering, manufacturing and distribution resources are ready to meet your needs anywhere

### Service Parts Protection

- ▶ Ability to provide custom design configurations in a variety of shapes and sizes

### Application Flexibility

- ▶ Service choice based on local market demands
- ▶ Metal-free and environmentally friendly



# Your Best Choice for Filtration Technology



## X770734 COMPETITIVE CROSS REFERENCES

| NAME            | TEILENR.   |
|-----------------|------------|
| HENGST          | E100UD160  |
| IVECO           | 42555073   |
| IVECO           | 42555548   |
| IVECO           | 42561605   |
| JURA FILTRATION | SN70318    |
| MANN & HUMMEL   | U630XKIT   |
| RENAULT TRUCKS  | 7420877950 |
| RENAULT TRUCKS  | 7420877953 |
| RENAULT TRUCKS  | 7421333098 |
| SCHUPP AG       | SAB541     |
| VOLVO           | 20876498   |
| VOLVO           | 20876502   |
| VOLVO           | 21333097   |

## X770734 for Denoxtronic 2.0 AdBlue® Filter Kit for AfterMarket Usage

### FITS:

- ▶ Bosch Denoxtronic 2.0 Urea Injection System

### OVERALL DIMENSIONS:

- ▶ 66,5mm outer diameter
- ▶ 97,5mm overall length
- ▶ 22mm seal diameter

# Why Donaldson

## Broad product offering

- ▶ Light to heavy particle filtration
- ▶ Filtration solutions for new equipment
- ▶ Replacements for in-use equipment
- ▶ Wide variety of accessories

## Proven technology

- ▶ PowerCore® systems
- ▶ Ultra-Web® nanofiber technology
- ▶ Pleatloc™ media spacing
- ▶ Radial seal housings
- ▶ Donaldson Endurance™
- ▶ Single & two-stage filtration
- ▶ Pre-cleaners & inlet hoods
- ▶ Filter indicators & gauges

## Lasting quality & value

- ▶ Quality & environmental management practices
- ▶ TS & ISO Certified
- ▶ Durable products that protect engines and control maintenance costs

## Readily available

- ▶ Stock Product - No lead time
- ▶ Ship orders same day received local availability through distributors and OE dealers

## Single filtration source

- ▶ Donaldson has air, lube, fuel, coolant, hydraulic, transmission filters for all vehicles from pick-ups and SUVs to mining haul trucks and airplanes!

## History of innovation

- ▶ Established as a filtration company in 1915
- ▶ Over 1500 active patents worldwide

## Superior Uptime Performance

Donaldson filters work hard to remove harmful contaminants from your engine liquids. They enhance engine and equipment life and performance while protecting the environment.

When you demand Donaldson for your liquid filtration needs, you get more than just a spin-on or cartridge filter. You have confidence that you are using a brand name the OEMs trust. For over 90 years, Donaldson has supplied OEM filtration technology for diesel engines – with nearly 30 years of experience in liquid filtration. You get quality and value in aftermarket replacement filters with more uptime.



## Global presence with local touch

Donaldson has established a global distribution network to serve our customers locally as well as worldwide. We operate as a global company with a network for primary distribution locations that support a mature hub of regional distribution centers and warehouses.

Donaldson distribution centers are strategically located to quickly and accurately deliver products wherever replacement products are needed. We work with a network of transportation, third part logistics companies, consolidators, and cross-docking facilities to meet or exceed our customers' requirements.

All regions of the world benefit from our global umbrella of distribution centers. We focus our efforts on local support and the capabilities of our staff.

**The same filtration technology and expertise you've come to expect from Donaldson air filters is in every liquid filter we design and manufacture.**



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