



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 NO_x emissions. When injected in SCRs, NO_x will convert into harmless N₂ and H₂O. 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°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 Denoxtronics 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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