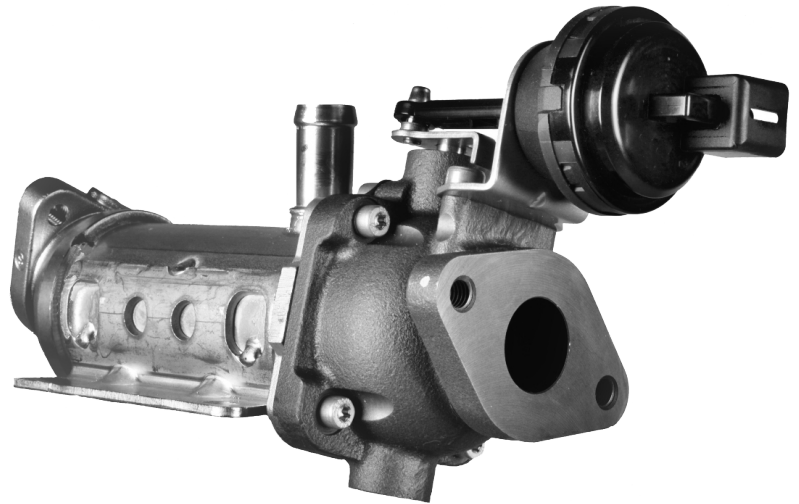


# EGR COOLING >



## Available in 3 types:

- ✓ EGR cooler
- ✓ EGR module (incl. EGR valve)
- ✓ Heat exchanger

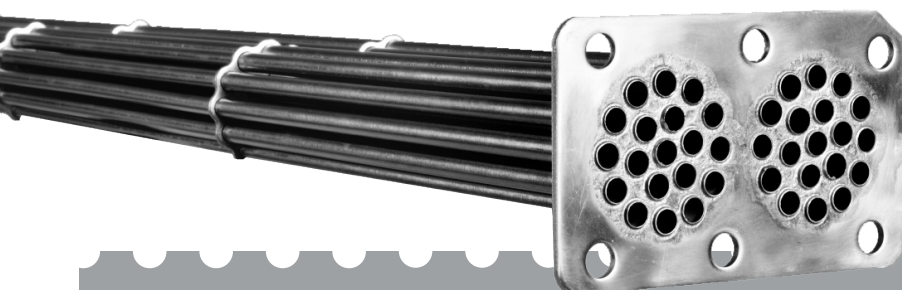


## NRF EGR Coolers:

- ✓ Reduction of NOx values
- ✓ Designed for the latest emission regulations (incl. EURO 6)
- ✓ Excellent performance, quality and durability

## EGR coolers are available for:

- > Passenger cars
- > Light commercial vehicles
- > Trucks and buses



### Exhaust Gas Recirculation (EGR)

In many countries around the world, the emissions of NOx from diesel and gasoline vehicles are restricted by legislation. Exhaust gas recirculation (EGR) is an effective technical solution to control NOx values. The principle of EGR is that a controllable proportion of the exhaust gas is recirculated back into the engine.

### How does an EGR Cooler work?

An EGR cooler is an emission related device that meets the new EURO 6 standards. Its purpose is to cool down the exhaust gas before they are returned into the engine to further reduce NOx values.

NRF EGR coolers are available for EURO 4 / EURO 5 / EURO 6



## NRF EGR Cooling range - CAR & LCV >

### EGR Module Car & LCV



| NRF # | Product    | Application                         | O.E.                                      |
|-------|------------|-------------------------------------|---|
| 48202 | EGR Module | AUDI A4 2.0D 04/2008 >              | 03L131512BQ / 03L131512CD / 03L131512DT+  |
| 48201 | EGR Module | AUDI Q5 2.0D 11/2008 >              | 03L131512AR / 03L131512BP / 03L131512DJ+  |
| 48205 | EGR Module | FORD MONDEO 2.2D 11/2010 >          | 1701764 / 1726786 / 1745685 / BG9Q9Y456AC |
| 48211 | EGR Module | NISSAN Murano 2.5D 01/2010 >        | 147351AT0A                                |
| 48212 | EGR Module | NISSAN Navara 2.5d 12/2009 >        | 147355X00A                                |
| 48204 | EGR Module | PEUGEOT 3008 2.0D 06/2009 >         | 9678257280                                |
| 48206 | EGR Module | PEUGEOT 508W 2.2D 11/2010 >         | 1618PS / 9676936180 / 9678163380          |
| 48207 | EGR Module | RENAULT Grand Scenic 1.9D 02/2009 > | 147106293R / 8200762517 / 8201027384      |
| 48215 | EGR Module | SEAT Ibiza 1.2D 04/2010 >           | 03P131512B / 03P131512D / 03P131512E+     |
| 48208 | EGR Module | SUZUKI Grand Vitara 1.9D 10/2005 >  | 147101993R / 1811167JG4                   |
| 48210 | EGR Module | VW Golf VI 2.0d 07/2009 >           | 03L131512AQ / 03L131512BN / 03L131512DL+  |
| 48220 | EGR Module | VW Polo 1.4D 03/2014 >              | 04B131512D                                |
| 48214 | EGR Module | VW Polo 1.6D 06/2009 >              | 03L131512AN / 03L131512AS / 03L131512BH+  |
| 48213 | EGR Module | VW Tiguan 2.0D 11/2007 >            | 03L131512AN / 03L131512AP / 03L131512AS+  |
| 48209 | EGR Module | VW Transporter 2.0D 09/2009 >       | 03L131512BM / 03L131512DK / 03L131512DS+  |

### EGR Cooler Car & LCV



| NRF #            | Product    | Application                          | O.E.                                      |
|------------------|------------|--------------------------------------|---|
| 48004            | EGR Cooler | ALFA ROMEO GT1.9D 11/2003 >          | 73500545 / 880252K59340                   |
| 48005            | EGR Cooler | AUDI A4 1.9D 11/2004 >               | 038131513S / 880155L59238                 |
| 48001            | EGR Cooler | BMW 320d E46 02/1998 >               | 11717794245 / 7794245                     |
| 48017            | EGR Cooler | CITROEN C6 2.7D 08/2005 >            | 1618N7                                    |
| 48020            | EGR Cooler | CITROEN C6 2.7D 08/2005 >            | 1618J2                                    |
| 48008            | EGR Cooler | CITROEN Xsara Picasso 2.0D 09/1999 > | 1628KC / 866840R59116                     |
| 48019            | EGR Cooler | FIAT 500X 2.0D 09/2014 >             | 552525590 / 552615860 / 552682840         |
| 48010            | EGR Cooler | FIAT Doblo 1.9D 07/2003 >            | 55181418 / 55199705                       |
| 48009            | EGR Cooler | FIAT Grande Punto 1.3D 10/2005 >     | 55249454 / 552494540                      |
| 48003            | EGR Cooler | FIAT Stilo 1.9d 10/2001 >            | 46810017 / 55197877                       |
| 48016            | EGR Cooler | FORD F350 6.4D 01/2010 >             | 4C3Z9P456AJ / 8C3Z9F464F                  |
| 48014            | EGR Cooler | FORD Ranger/Transit 2.2D 04/2011 >   | 1807897 / CK3Q9F464AB                     |
| 48013            | EGR Cooler | FORD Transit 2.4D 04/2006 >          | 1674960 / 6C1Q9F464BD                     |
| 48015            | EGR Cooler | FORD Transit V348 2.2D               | 1807898 / CK3Q9F464BB                     |
| 48217 <b>NEW</b> | EGR Cooler | IVECO Daily 06/2006-08/2011          | 504178568                                 |
| 48002            | EGR Cooler | IVECO Daily 09/2009-08/2011          | 504317815                                 |
| 48018            | EGR Cooler | LANDROVER 3.6D 10/2006 >             | LR003829 / LR006987 / LR009735 / LR018321 |
| 48012            | EGR Cooler | LANDROVER Sport 3.6TD 04/2006 >      | LR003830                                  |
| 48120 <b>NEW</b> | EGR Cooler | PEUGEOT 3008 2.0D 06/2009 >          | 9678257280                                |
| 48006            | EGR Cooler | PEUGEOT 407 2.0D 03/2004 >           | 161835 / 8653691 / 876431F59116           |
| 48011            | EGR Cooler | RENAULT Trafic / Megane II 08/2006 > | 8200968414                                |
| 48115            | EGR Cooler | SEAT Ibiza 1.2D 04/2010 >            | 03P131512B / 03P131512D / 03P131512E+     |
| 48218 <b>NEW</b> | EGR Cooler | VW Amarok 11/2011 >                  | 03L131511A / 03L131511J / 03L131511L      |
| 48113            | EGR Cooler | VW Tiguan 2.0D 11/2007 >             | 03L131512AN / 03L131512AP / 03L131512AS+  |
| 48119 <b>NEW</b> | EGR Cooler | VW Transporter 2.0D 09/2009 >        | 03L131512BM / 03L131512DK / 03L131512DS+  |

EASY FIT

EASY FIT

EASY FIT





## NRF EGR Cooling range - TRUCK & BUS >

### EGR Cooler Truck & Bus



| NRF #            | Product    | Application                  | O.E.                                    |
|------------------|------------|------------------------------|---|
| 48300            | EGR Cooler | CUMMINS ISX 07-09            | 2878169 / 2881747NX / 2881784NX+        |
| 48302 <b>NEW</b> | EGR Cooler | CUMMINS ISX 2010-2013        | 3689282                                 |
| 48301            | EGR Cooler | FREIGHTLINER DD15 10-13      | EA4721400475                            |
| 48108 <b>NEW</b> | EGR Cooler | FREIGHTLINER SERIES 60 02-06 | 2353180                                 |
| 48109 <b>NEW</b> | EGR Cooler | FREIGHTLINER SERIES 60 08-10 | 23537387                                |
| 48305 <b>NEW</b> | EGR Cooler | MAN Lion S City bus          | 51081007158 / 51081007240 / 51081007248 |
| 48304 <b>NEW</b> | EGR Cooler | VOLVO D11 / MACK Mp7         | 22134240 / 22134241                     |
| 48303 <b>NEW</b> | EGR Cooler | VOLVO D13 / MACK Mp8         | 21068705 / 21225305 / 21480645          |

### EGR Heat Exchanger (= without housing) Truck & Bus



| NRF #            | Product        | Application               | O.E.                                     |
|------------------|----------------|---------------------------|--|
| 48101            | Heat Exchanger | MAN TGA/TGL/TGM/M2000 6.9 | 51081000131 / 51081510196 / 58108157035+ |
| 48102            | Heat Exchanger | MAN TGA/TGL/TGM/M2000 6.9 | 51081007027 / 51081007028 / 51081007029+ |
| 48105 <b>NEW</b> | Heat Exchanger | MAN TGA/TGS D26           | 51081007021 / 51081007104 / 51081007106+ |
| 48103            | Heat Exchanger | MAN TGL/TGM               | 51081007054 / 51081007055 / 51081007057  |
| 48104            | Heat Exchanger | MAN TGS/TGX               | 51081007048 / 51081007060 / 51081007063+ |
| 48106 <b>NEW</b> | Heat Exchanger | MAN TGX 12.4              | 51081007136 / 51081510131                |

