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ABOUT US

ÇELİKARME A.Ş. (www.celikarme.com) is an industrial organization based on more than 30 years of experience, high potential, technical infrastructure and expert staff in the Clean Fuels, fuel oil, energy and industrial steel structures sectors.

- ❖ ÇELİKARME A.Ş. It has a high reputation in the sector with its expert staff and technical competence. Its collaborations and solution partnerships with Turkey's largest construction companies, oil distribution companies and sectoral contractors have proven their quality by providing services to projects especially in Turkey, the Middle East, Asia and Africa.
- ❖ ÇELİKARME A.Ş. It has existing installed capacity and manufacturing capability, advanced physical, technical infrastructure and machinery facilities in the facilities it owns together with itself and its Solution Partners. It can serve its customers as a contractor or project consultant in project, manufacturing and contracting works.
- ❖ ÇELİKARME A.Ş. It aims to provide superior service quality and continuous customer satisfaction with the synergy it offers to the sectors in which it operates. The company's greatest strength is its ability and experience to meet multiple and different needs with its wide range of products and services.
- ❖ ÇELİKARME A.Ş. With this competence and experience, it precisely determines customer expectations and needs and produces accurate and customer-oriented solutions suitable for specific projects.



Akzo Nobel Solvent Transfer System



Mutlu Battery, Steel Construction, Crane and Process Piping System

PROCESS SYSTEMS FOR INDUSTRIAL FACILITIES



Server Boya Food Coloring Production Boilers



Mutlu Battery, Process Piping System



Multi-Chamber Oven Platform

PROCESS EQUIPMENT FOR INDUSTRIAL FACILITIES



Process Boilers

STORAGE AND MIXING TANKS FOR INDUSTRIAL FACILITIES



Akzo Nobel Solvent Tanks



Process Piping and Alternative Fuel Equipment



ÇELİKARME

ALTERNATİF YAKIT SİSTEMLERİ A.Ş.

**DUAL
FUEL**

CNG + DİZEL

Dual Fuel System Equipment



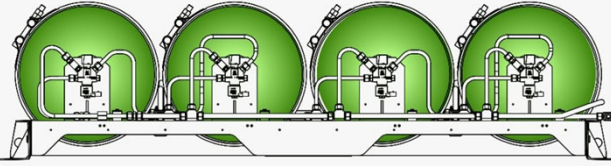
ECU Electronic Control Unit



Injector



Exhaust Heat Sensor



EXCEPT FOR STANDARD EQUIPMENT THE FIRST SPECIAL TECHNOLOGICAL DESIGN IN THE WORLD!

24 VDC ●
12 VDC ●
Ignition 12/24VDC ●
Valves ●

Regulator



Selonoid Valf



Kable Set



Hygiene Filter



Manometer



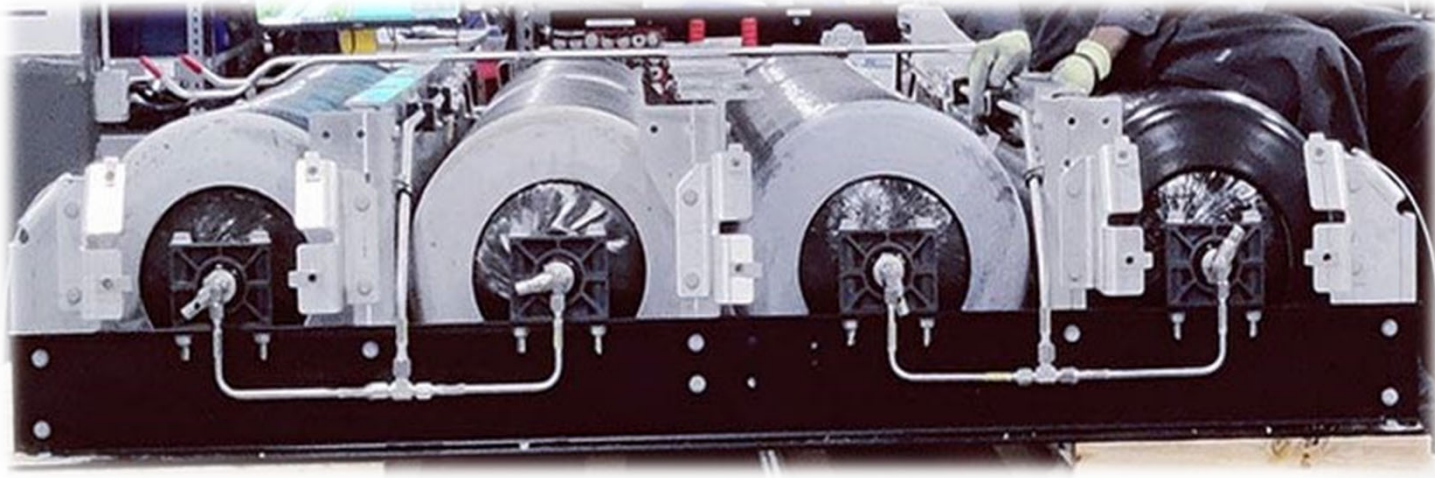
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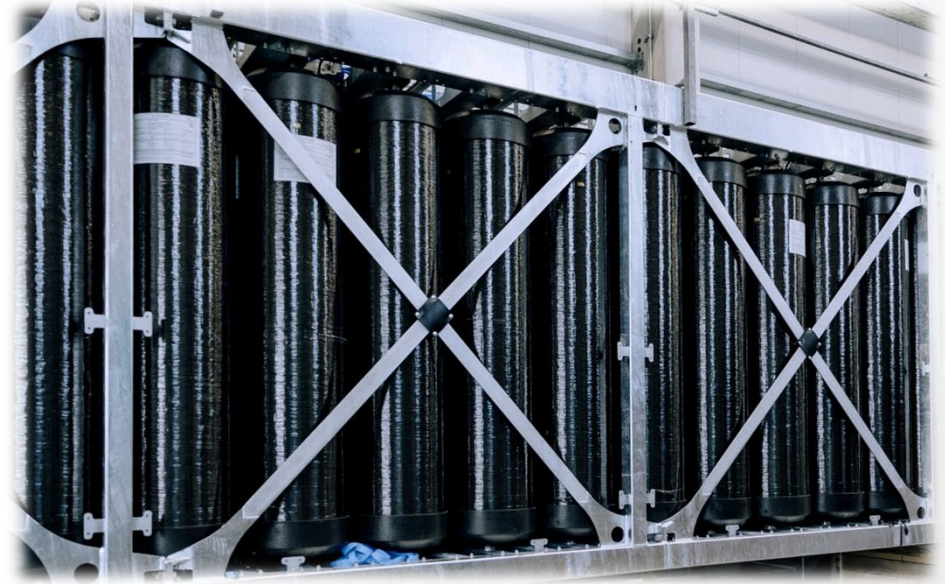
Map Sensor



ALTERNATIVE FUELS STORAGE AND TRANSPORTATION SYSTEMS



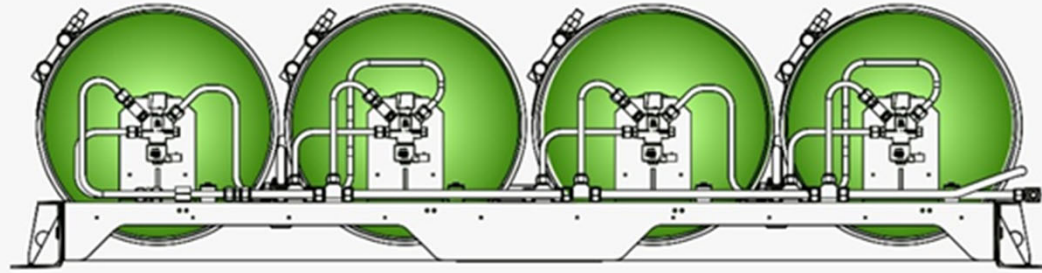
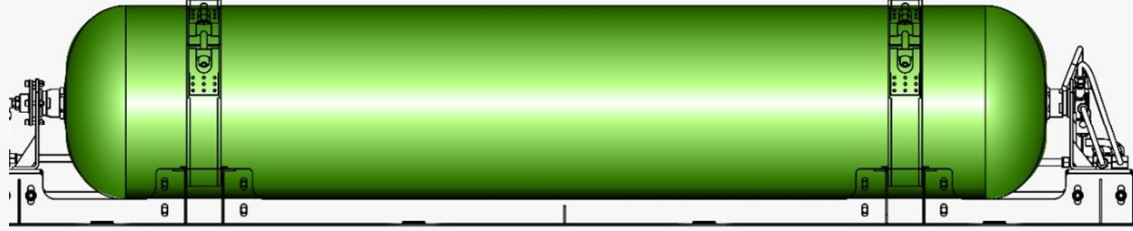
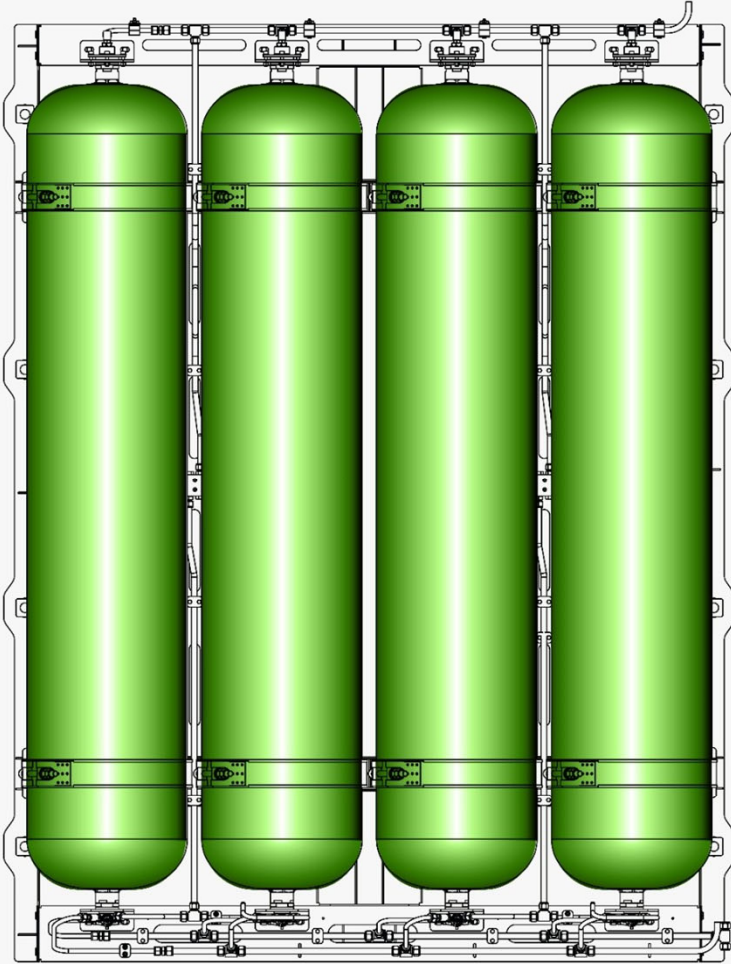
ALTERNATIVE FUELS STORAGE AND TRANSPORTATION SYSTEMS



ALTERNATIVE FUELS STORAGE AND TRANSPORTATION SYSTEMS



ALTERNATIVE FUEL STORAGE SYSTEMS FOR BUSES



ALTERNATIVE FUELS SUPPLY SYSTEMS



Alternative Clean Fuels;

Environmentally friendly clean fuels that you can use as second fuel;



CNG - Compressed Natural Gas



RNG – Renewable Natural Gas



H2 – Hydrogen



LNG – Liquefied Natural Gas



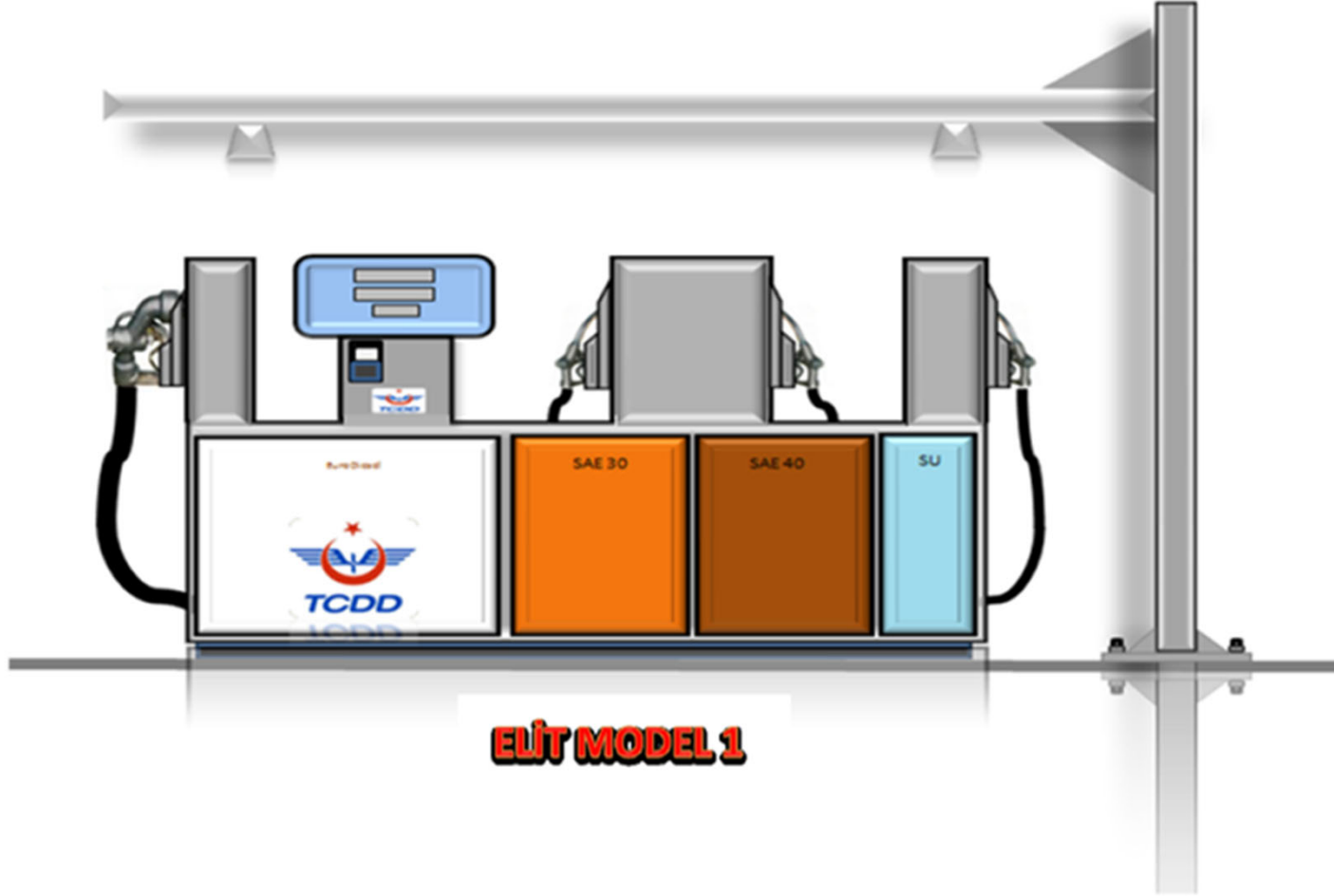
LPG – Liquefied Petroleum Gas



LOCOMOTIVE FUEL SUPPLY SYSTEMS

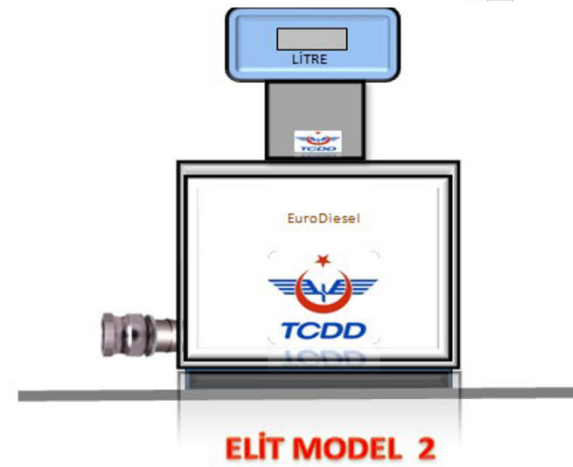
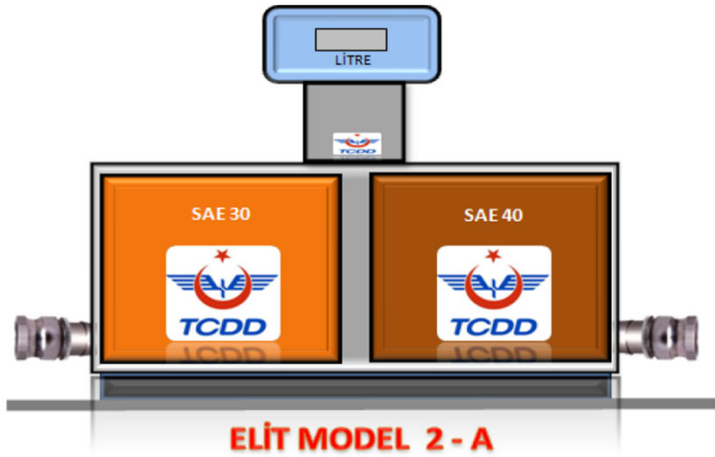
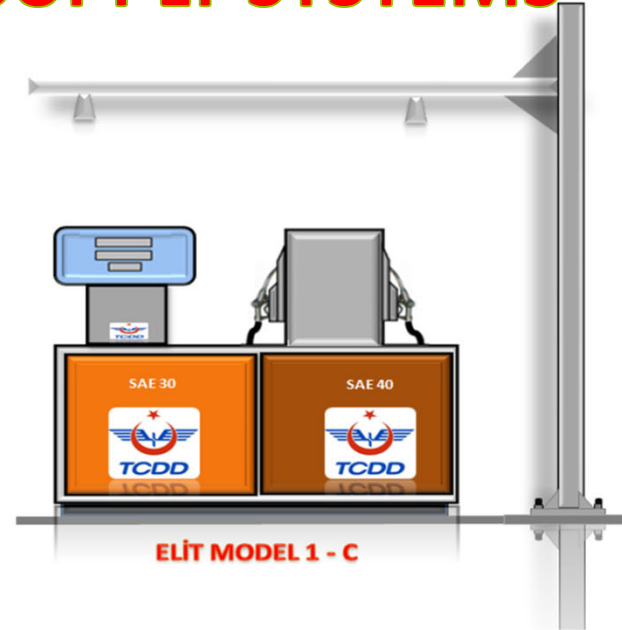
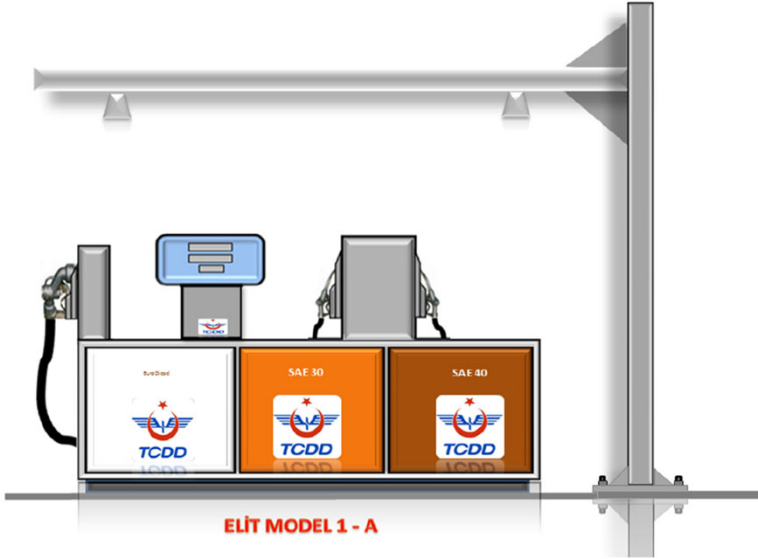


LOCOMOTIVE FUEL SUPPLY SYSTEMS

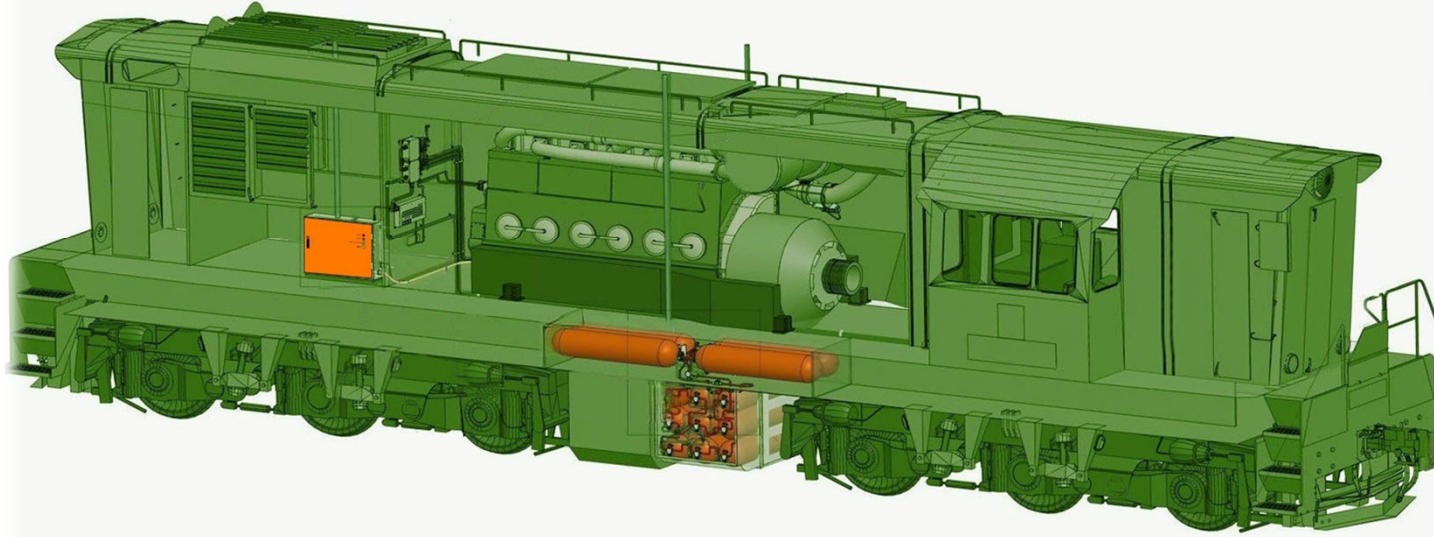


ELİT MODEL 1

LOCOMOTIVE FUEL SUPPLY SYSTEMS



LOCOMOTIVE DUAL FUEL SYSTEMS



ÇELİKARME

ALTERNATİF YAKIT SİSTEMLERİ A.Ş.

LOCOMOTIVE DUAL FUEL SYSTEMS



Thanks to its Parametric Software, it provides ease of use for practitioners and users. This feature also allows you to use it in all vehicles and get excellent results, regardless of the vehicle brand and model.

The screenshot shows the 'MAP and RPM' configuration window. On the left, there is a list of RPM ranges with corresponding gas injection times in milliseconds (ms):

500 - 750 RPM	[ms]	3,0
750 - 1.000 RPM	[ms]	8,0
1.000 - 1.250 RPM	[ms]	13,0
1.250 - 1.500 RPM	[ms]	14,0
1.500 - 1.750 RPM	[ms]	15,0
1.750 - 2.000 RPM	[ms]	16,0
2.000 - 2.250 RPM	[ms]	17,0
2.250 - 2.500 RPM	[ms]	3,0
2.500 - 2.750 RPM	[ms]	3,0
2.750 - 3.000 RPM	[ms]	3,0
3.000 - 3.250 RPM	[ms]	3,0
3.250 - 3.500 RPM	[ms]	3,0
3.500 - 3.750 RPM	[ms]	3,0
3.750 - 4.000 RPM	[ms]	3,0

The main area is titled 'MAP and RPM' and contains a 'Manifold Pressure (Bar)' graph with a scale from 0 to Max (27, 25, 23, 22, 20, 18, 15, 13) and a 'Maximum Gas Time (ms)' graph. Below these are input fields for:

- RPM Sensor Voltage: 2,10 Volt
- RPM Signal Negative Filter: 0,10 ms
- RPM Signal Positive Filter: 0,10 ms
- RPM Signal Divisor: 116

At the bottom, there are buttons for 'General Settings', 'MAP and RPM', 'Cut-Off Settings', 'Level and EGT', and 'Trip Computer'. A status bar at the very bottom shows: Pressure (Bar) 2,00, RPM 515, Temp 35°C, Gas (ms) 3,0, and Fuel Diesel + Gas.

The screenshot shows the 'General Settings' configuration window. On the left, there is a list of RPM ranges with corresponding gas injection times in milliseconds (ms):

500 - 750 RPM	[ms]	6,0
750 - 1.000 RPM	[ms]	8,2
1.000 - 1.250 RPM	[ms]	14,2
1.250 - 1.500 RPM	[ms]	19,2
1.500 - 1.750 RPM	[ms]	20,4
1.750 - 2.000 RPM	[ms]	20,6
2.000 - 2.250 RPM	[ms]	20,8
2.250 - 2.500 RPM	[ms]	20,6
2.500 - 2.750 RPM	[ms]	19,8
2.750 - 3.000 RPM	[ms]	6,0
3.000 - 3.250 RPM	[ms]	6,0
3.250 - 3.500 RPM	[ms]	6,0
3.500 - 3.750 RPM	[ms]	6,0
3.750 - 4.000 RPM	[ms]	6,0

The main area is titled 'General Settings' and contains several parameters:

- Maximum Engine Temp: 99 [°C]
- Minimum Gas Pressure: 0,8 [Bar]
- Map Sensor: Standard
- Level Sensor: CNG Sensor
- Operating Range of GAS [RPM]: 100 < < 2800
- Injector Type: Vikars 3 Ohm
- Changeover Delay: 6 [S]
- Switch to Gas Temp: 20 [°C]
- Critical Temperature: 5 [°C]

At the bottom, there are buttons for 'General Settings', 'RPM Settings', 'Cut-Off Settings', 'EGT Settings', and 'Trip Computer'. A status bar at the very bottom shows: Pressure (Bar) 2,13, RPM 567, Temp 25°C, Gas (ms) 6,0, and Fuel Diesel + Gas.

Our Dual Fuel System References



*Ekol Lojistik



*Alışan Lojistik



*Reysaş Lojistik

*Türkiye ve Dünyada birçok ülkede binlerce araç.



Our Other References

1. IRAQ OİL (Zakho Kuzey/IRAK)
2. Kırmızıtoprak OPET (Şanlıurfa)
3. Korkmaz Petrol (Tunceli)
4. Tiryakiler Petrol (Nizip/Gaziantep SUNPET)
5. Bali Petrol (Nurdağı / K.Maraş ALPET)
6. Dokpet (K.Maraş OPET)
7. Acarlar Petrol (Gaziantep OPET)
8. Miralay Petrol (Barajyolu/Sarıgazi BP)
9. Muto Petrol (Sultançiftliği SHELL)
10. Özkanlılar Petrol (Silivri/İSTANBUL POAŞ)
11. Ercem Petrol (Halkalı/İSTANBUL TOTAL)
12. BY Pet (Ferhatpaşa /İSTANBUL AKPET)
13. Usta Akaryakıt (İzmit AKPET)
14. Alırıza Onat (Eskişehir AKPET)
15. Optimum Petrol (Kırıkkale / AKPET)
16. Fatih petrol (Şaşmaz/ANKARA AKPET)
17. Erken Petrol (Polatlı yolu/ANKARA AKPET)
18. Çavuş Petrol (Şanlıurfa POAŞ)

19. Çavuş Kardeşler Petrol (Aksaray SOİL)
20. Ayalp Petrol (Küçükköy / İSTANBUL SHELL)
21. Ergintan petrol (Çekmeköy/İSTANBUL AYTEMİZ PETROL)
22. Vadim Petrol (Bostancı/ İSTANBUL LUKOİL)
23. Jeopet petrol (İzmit LUKOİL)
24. Kebir Petrol (Bursa LUKOİL)
25. Saruhanlı Petrol (Saruhanlı / MANİSA LUKOİL)
26. Hak Petrol (Yeniçiftlik/TEKİRDAĞ TP PETROL)
27. Sel-Pet Petrol (Çerkezköy / TEKİRDAĞ TP PETROL)
28. Reyhan Petrol (Lüleburgaz / KIRKLARELİ TP PETROL)
29. Komşuoğlu Petrol (Malatya OPET)
30. Ateşşahinler Petrol (Elazığ OPET)
31. Oyak Renault (Bursa)
32. Honda (Şekerpinar / İZMİT)
33. Özcan Petrol (Seymen / M.Ereğlisi/İSTANBUL OPET)
34. Karagül Petrol (M.Kemalpaşa / BURSA OPET)
35. Tunçman Petrol (Karacabey /BURSA BP)
36. Kuranlar Petrol (Bereç/BAYRAMPAŞA/İSTANBUL AKPET)

37. Arguvan Petrol (Edremit/Akçay/BALIKESİR TP PETROL)
38. Hacı Bađana (Aktoprak /GAZİANTEP BAL PET)
39. Dudullu Petrol (Dudullu OPET)
40. Bereketli Halk Petrol (Atıřalanı/İSTANBUL BP)
41. Mirada Del Mar Hotel (Antalya / OTEL)
42. Akpet Depo (Dolayoba/İSTANBUL AKPET DEPO)
43. Dolayoba Petrol (Dolayoba/İSTANBUL AKPET)
44. řafak Petrol (řiřli/İSTANBUL LUKOİL)
45. İstiklal Akaryakıt (Ümraniye/İSTANBUL BP)
46. Demirciođlu Petrol (Barajyolu/Sarıgazi/İSTANBUL BP)
47. Çavuş Kardeşler Petrol (Aksaray 2 / SOİL)
48. Bereketli Halk petrol (Atıřalanı, İstanbul Fuel installation and canopy revision works)
49. İltekno Çankırı (Electricity production facility from solid waste, Cogenerator container manufacturing, installation and commissioning works)
50. İltekno Gaziantep (Electricity production facility from solid waste, Cogenerator container manufacturing, installation and commissioning works)
51. Star Off Bosphorus (Tepeören, Istanbul data Center fuel oil and underground tank facility works)
52. Vega Lojistik (Orhanlı Istanbul Fuel tank facility and underground installation works)
53. BMC (Izmir Truck/Bus/Armored vehicle factory fuel/lubricant/antifreeze supply system and automation system.)
54. Mutlu Akü (Tepeören, Istanbul Plastic factory steel construction and mechanical installation system.)

55. Server Boya (Dilovası Akzo Nobel food coloring facility, mechanical piping, tank facility and pneumatic control systems)
56. Safranbolu Karayolları İkmal tesisi (Fuel oil tank facility and underground fuel systems application works)
57. Geosolution (Gori/Tbilisi Paper Mill steel construction works)
58. TIGEM (Şanlıurfa, Afyon, Konya, Eskişehir, Bursa Karacabey Biogas Cogenerator electricity production facilities audit and reporting works)
59. TCDD (Revision of Locomotive Supply Stations, fuel supply facilities throughout Turkey, Tank facility, Fuel infrastructure facility, Automation Systems facility, Locomotive Tracking Systems Automation works)
60. Sar peyzaj (Balıkesir /Edremit / Güre fuel station infrastructure, canopy, tank facility, electricity and field covering works)
61. EKOL Lojistik (CNG+Diesel Dual fuel system conversion project implementation and project management of tractors in the TIR fleet)
62. ALIŞAN Lojistik (CNG+Diesel Dual fuel system conversion project implementation and project management of tractors in the TIR fleet)
63. REYSAŞ Lojistik (CNG+Diesel Dual fuel system conversion project implementation and project management of tractors in the TIR fleet)
64. HAVİ Lojistik (CNG+Diesel Dual fuel system conversion project implementation and project management of tractors in the TIR fleet)

TÜRK STANDARTLARI ENSTİTÜSÜ
İMALATA YETERLİK BELGESİ

BELGE NUMARASI : 16370
BELGE YERLİLİK TARİHİ : 04.03.2009

BELGE KAPSAMINDAKİ MADDE VE MARKELERİN MARKA, TİPİ VE ÖZELLİKLERİ

İMALATÇI ADI VE ADRESİ :
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HAVALI FREN SİSTEMLERİ
FREN PEDAL MERKEZİ
TAMİR TAKIMLARI

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ÖZETİM YERİ ADRESİ :
K.BALIKLI MAH. KATİP SOK. NO:12 BURSA

SANAYİ SİCİL NUMARASI :
TİCARET SİCİL NUMARASI :

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BURSA BÖLGE MÜDÜRLÜĞÜ
M. Kemal
T. Yılmaz

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T. Yılmaz

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K.BALIKLI MAH. KATİP SOK. NO:12 BURSA
TEL FİRMO : 0 224 218 71 12
TEL FİKSAL : 0 224 218 71 18

FİRMA YETKİLİSİNİN

İMZA ADRESİ : M. Kemal
T. Yılmaz
K.BALIKLI MAH. KATİP SOK. NO:12 BURSA
TEL FİRMO : 0 224 218 71 12
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MALİN

ÜNİTE : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
MONTAJ : VIKARS
KURULUM : VIKARS
TARİHİ : 01.03.2009
GARANTİ SÜRESİ : 2 YIL
AZAMI TAVAN SÜRÜŞÜ : 50 Bİ GÜN

SATICI FİRMANININ

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TEL FİKSAL :
TELEFAX :
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TARİHİ İZİM KASAP :

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TÜKETİMİ VE SATIŞI

Sertifika Verme Tarihi : 02nd Mar 2007
Bekit Tarihi : 01st Mar 2010

Sertifika No : Q1357507

The Seal of ICR Limited members is affixed to this passport of

Managing Director

ICR
International Certification
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Tüketicinin ve Rekabetin Korunması Genel Müdürlüğü

TÜRK STANDARTLARI ENSTİTÜSÜ
KALİTE UYGUNLUK BELGESİ

BELGE NUMARASI : 16370
BELGE YERLİLİK TARİHİ : 04.03.2009

ENSTİTÜMÜZ İLE BURSADA MÜESSES
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HAVALI FREN SİSTEMLERİ
FREN PEDAL MERKEZİ
TAMİR TAKIMLARI

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İNDEKİ BÖLÜME ENSTİTÜ TARAFINDAN KABUL
EDİLEN TEKNİK ÖZELLİKLERİ UYULAN OLARAK

K.BALIKLI MAH. KATİP SOK. NO:12 BURSA
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YETKİSİ TANINMIŞTIR.
BU MARKA ÜZERİNE KULLANILAN MAMULÜN EKİ
TEKNİK ESASLARLA UYUMLU OLANI FAYDE EDER.

TSEK

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T. Yılmaz

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Thank you for your trust and cooperation for 30 years...

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