

# InfoPortugal FUELS Service API

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# 1 Introduction

This document describes the InfoPortugal FUELS Service API.

## 2 Gas Statios search

Service for searching Gas Stations

### 2.1 Request

- (GET) /fuels.stations.json

### 2.2 Parameters

- lon: <decimal> Longitude
- lat: <decimal> Latitude
- distance: <integer> Distance in meters
- bbox: <decimal>,<decimal>,<decimal>,<decimal> Bounding box
- name: <string> Name
- district <string> District ID
- municipality <string> Municipality ID
- locality <string> Locality ID
- brand <integer> Brand ID
- fuel\_type <integer> Fuel Type ID
- service <integer> Service ID
- limit: <integer> Limit of rows - Max=100
- lang: <string> Language [pt|en]
- callback: <string> JSONP Callback - Only available if the server supports
- api\_key: <string> API key (**required**)

#### ***Important***

The request must provide the lon, lat or the bbox or the name or the district or the municipality or the locality.

## 2.3 Response

### Note

The `distance` in the `properties` will return `null` if the request is for the `bbox`.

### 2.3.1 GeoJSON

**GeoJSON** is a format for encoding a variety of geographic data structures. A GeoJSON object may represent a geometry, a feature, or a collection of features. GeoJSON supports the following geometry types: Point, LineString, Polygon, MultiPoint, MultiLineString, MultiPolygon, and GeometryCollection. Features in GeoJSON contain a geometry object and additional properties, and a feature collection represents a list of features.

The service will return a **FeatureCollection**.

```
{
  "type": "FeatureCollection",
  "features": [{
    "geometry": {
      "type": "Point",
      "coordinates": [-8.081877, 38.617804]
    },
    "type": "Feature",
    "properties": {
      "schedule_sunday_and_holidays": "Aberto 24 horas",
      "municipality": "Montemor-o-Novo",
      "services": [
        "WC para deficientes",
        "WC com fraldário",
        "WC",
        "Restaurante",
        "Multibanco",
        "Loja de Conveniência",
        "Descanso de pesados",
        "Cafetaria",
        "Assistência auto"
      ],
      "postal_code": "7050-349",
      "id": 67049,
      "closing_hour_sunday_and_holidays": "",
      "opening_hour_sunday_and_holidays": "",
      "locality": "Santa Sofia",
      "discounts": "",
      "observations": "",
      "fuel": [
        {
          "price": 1.5230,
          "type": "Gasolina 95",
          "updated": "2011-02-11T18:58:45.625411+00:00"
        }
      ]
    }
  ]
}
```

## 2.3 Response

```
    },
    {
      "price": 1.3890,
      "type": "Gasóleo",
      "updated": "2011-02-11T18:58:45.616500+00:00"}
  ],
  "schedule_week_days": "Aberto 24 horas",
  "closing_hour_saturday": "",
  "brand": "GALP",
  "postal_code_locality": "Montemor",
  "schedule_saturday": "Aberto 24 horas",
  "address": "A6 Km 55,4 ( Lanço Marateca -Caia)",
  "opening_hour_saturday": "",
  "closing_hour_week_days": "",
  "opening_hour_week_days": "",
  "distance": null,
  "name": " Galp  A6 Sul",
  "heading": "Montemor / Evora"}
}
],
"result": {
  "totalPages": 2,
  "itemsPerPage": 1,
  "totalResults": 181,
  "page": 1
}
}
```

## 3 Gas Stations detail

Service for Gas Stations detail

### 3.1 Request

- (GET) /fuels.stations.detail.json

### 3.2 Parameters

- id: <string> Gas Station ID (**required**)
- callback: <string> JSONP Callback - Only available if the server supports
- lang: <string> Language [pt|en]
- api\_key: <string> API key (**required**)
- callback: <string> JSONP Callback - Only available if the server supports

## 3.3 Response

### 3.3.1 GeoJSON

**GeoJSON** is a format for encoding a variety of geographic data structures. A GeoJSON object may represent a geometry, a feature, or a collection of features. GeoJSON supports the following geometry types: Point, LineString, Polygon, MultiPoint, MultiLineString, MultiPolygon, and GeometryCollection. Features in GeoJSON contain a geometry object and additional properties, and a feature collection represents a list of features.

The service will return a **Feature**.

```
{
  "geometry": {
    "type": "Point",
    "coordinates": [-9.111530, 38.725260]
  },
  "type": "Feature",
  "properties": {
    "schedule_sunday_and_holidays": "Horário específico",
    "municipality": "Lisboa",
    "services": [
      "Calibragem de pneus",
      "Venda de carburante de qualidade superior",
      "Venda de gás doméstico em garrafas",
      "WC"
    ],
    "postal_code": "1900-439",
    "id": 67270,
    "closing_hour_sunday_and_holidays": "23:00:00",
    "opening_hour_sunday_and_holidays": "07:00:00",
    "locality": "Lisboa - Xabregas",
    "discounts": "Vales Lidl desconto de 1.20 € por cada 20 litros Abastecidos
Vales DN/JN desconto de 1.25 € por cada 25 litros abastecidos
Sócios do Clube Oriental de Lisboa desconto de 1.00 € por cada 25 litros Abastecidos
Oritáxis desconto de 1.00 € por cada 25 litros Abastecidos
Transportadoras em geral desconto de 1.00 € por cada 25 litros Abastecidos",
    "observations": "Pagamentos com cartão Routex
Desconto aos portadores de cartão Azul BP
Desconto aos portadores de cartão ACP
Desconto aos portadores de cartão INATEL",
    "fuel": [
      {
        "price": 1.3650,
        "type": "Gasóleo",
        "updated": "2011-02-11T18:58:35.272552+00:00"
      },
      {
        "price": 1.5190,
        "type": "Gasolina 95",
        "updated": "2011-02-11T18:58:35.262874+00:00"
      }
    ],
    "schedule_week_days": "Horário específico",
    "closing_hour_saturday": "23:00:00",
    "brand": "BP",
    "postal_code_locality": "Lisboa",
    "schedule_saturday": "Horário específico",
    "address": "Av. Infante D. Henrique, 61",
    "opening_hour_saturday": "07:00:00",
    "closing_hour_week_days": "23:00:00",
    "opening_hour_week_days": "07:00:00",
    "name": "BP Xabregas",
    "heading": "Descendente"
  }
}
```



## 4 Fuels

Service for retrieving the fuels ordered by lowest price within a specific radius from you position

### 4.1 Request

- (GET) /fuels.json

### 4.2 Parameters

- api\_key: <string> API key (**required**)
- lon: <decimal> Longitude
- lat: <decimal> Latitude
- distance: <integer> Distance in meters
- brand: <integer> Brand ID
- fuel\_type: <integer> Fuel Type ID
- limit: <integer> Limit of rows - Max=100
- callback: <string> JSONP Callback - Only available if the server supports

#### ***Important***

The request must provide the lon, lat and distance.

## 4.3 Response

### 4.3.1 JSON

JSON (JavaScript Object Notation) is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate.

The service will return in a JSON (JavaScript Object Notation) format.

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "geometry": {
        "type": "Point",
        "coordinates": [-7.545530, 38.424750]
      },
      "type": "Feature",
      "properties": {
        "distance": 9854,
        "post_id": 65103,
        "price": 1.2990,
        "post_name": "Distribomonsaraz - Supermercados, Lda",
        "brand_name": "INTERMARCHÉ",
        "brand_id": 3,
        "fuel_id": 173940
      }
    },
    {
      "geometry": {
        "type": "Point",
        "coordinates": [-7.334450, 38.381670]
      },
      "type": "Feature",
      "properties": {
        "distance": 9675,
        "post_id": 65463,
        "price": 1.3740,
        "post_name": "Marques & Filhos, Lda.",
        "brand_name": "GALP",
        "brand_id": 11,
        "fuel_id": 159457
      }
    }
  ],
  "result": {
    "totalPages": 1,
    "itemsPerPage": 100,
    "totalResults": 2,
    "page": 1
  }
}
```

### 4.3 Response

***Important***

The request must provide the lon and lat.

## 5 Brands of the Fuels

Service for retrieving the brands of Fuels

### 5.1 Request

- (GET) /fuels.brands.json

### 5.2 Parameters

- api\_key: <string> API key (**required**)
- callback: <string> JSONP Callback - Only available if the server supports

## 5.3 Response

### 5.3.1 JSON

JSON (JavaScript Object Notation) is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate.

The service will return in a JSON (JavaScript Object Notation) format.

```
[
  {
    id: 1
    name: "REPSOL"
  },
  {
    id: 2
    name: "PINGO DOCE"
  },
  {
    id: 3
    name: "INTERMARCHÉ"
  },
  {
    id: 4
    name: "PRIO"
  },
  {
    id: 5
    name: "ECOMARCHÉ"
  },
  {
    id: 6
    name: "ALVES BANDEIRA"
  },
  {
    id: 7
    name: "AVIA"
  },
  {
    id: 8
    name: "ILÍDIO MOTA"
  },
  {
    id: 9
    name: "SOPOR"
  },
  {
    id: 10
    name: "REDIL"
  },
  {
    id: 11
    name: "GALP"
  },
]
```

### 5.3 Response

```
{
  id: 12
  name: "BP"
},
{
  id: 13
  name: "Genérico"
},
{
  id: 14
  name: "CEPSA"
},
{
  id: 15
  name: "ESSO"
},
{
  id: 16
  name: "CIPOL"
},
{
  id: 17
  name: "FREITAS"
},
{
  id: 18
  name: "LUBRIDÃO"
},
{
  id: 19
  name: "JUMBO"
},
{
  id: 20
  name: "ETC"
},
{
  id: 21
  name: "AZORIA"
},
{
  id: 22
  name: "FUELTEJO"
},
{
  id: 23
  name: "OFIMAQ"
},
{
  id: 24
  name: "OLEOFAT"
},
{
  id: 25
```

### 5.3 Response

```
    name: "GASPE"
  },
  {
    id: 26
    name: "LECLERC"
  },
  {
    id: 27
    name: "ATLANTIC OIL"
  },
  {
    id: 28
    name: "GAPOR"
  },
  {
    id: 29
    name: "CONTINENTE"
  },
  {
    id: 30
    name: "CARRASQUINHO System.String[] FILHOS"
  },
  {
    id: 31
    name: "GOTA"
  },
  {
    id: 32
    name: "GALMOR"
  },
  {
    id: 33
    name: "ECOBRENT"
  },
  {
    id: 34
    name: "BOMBAGÁS"
  },
  {
    id: 35
    name: "PETROIBÉRICA"
  },
  {
    id: 36
    name: "CIDADE N'ALDEIA"
  },
  {
    id: 37
    name: "PETROVARIANTE"
  },
  {
    id: 38
    name: "CREIXOAUTO"
  },
}
```

### 5.3 Response

```
{
  id: 39
  name: "GASPROCAR"
},
{
  id: 40
  name: "SCAM"
},
{
  id: 41
  name: "BXPRESS"
},
{
  id: 42
  name: "ANIBAL ANTUNES BANDEIRA"
},
{
  id: 43
  name: "AUTO JULIO"
},
{
  id: 44
  name: "REDE ENERGIA"
},
{
  id: 45
  name: "RECHEIO"
}
]
```



## 6 Fuels Types

Service for retrieving the types of Fuels

### 6.1 Request

- (GET) /fuels.types.json

### 6.2 Parameters

- api\_key: <string> API key (**required**)
- callback: <string> JSONP Callback - Only available if the server supports

## 6.3 Response

### 6.3.1 JSON

JSON (JavaScript Object Notation) is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate.

The service will return in a JSON (JavaScript Object Notation) format.

```
[
  {
    id: 1120
    name: "GPL Auto"
  },
  {
    id: 2100
    name: "Gasóleo"
  },
  {
    id: 2110
    name: "Biodiesel B10"
  },
  {
    id: 2115
    name: "Biodiesel B15"
  },
  {
    id: 2120
    name: "Biodiesel B20"
  },
  {
    id: 3200
    name: "Gasolina 95"
  },
  {
    id: 3400
    name: "Gasolina 98"
  }
]
```

## 7 Services of Gas Stations

Service for retrieving the services of Gas Stations

### 7.1 Request

- (GET) /fuels.services.json

### 7.2 Parameters

- api\_key: <string> API key (**required**)
- callback: <string> JSONP Callback - Only available if the server supports

## 7.3 Response

### 7.3.1 JSON

JSON (JavaScript Object Notation) is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate.

The service will return in a JSON (JavaScript Object Notation) format.

```
[
  {
    id: 1
    name: "Assistência auto"
  },
  {
    id: 2
    name: "Cafeteria"
  },
  {
    id: 3
    name: "Descanso de pesados"
  },
  {
    id: 4
    name: "Loja de Conveniência"
  },
  {
    id: 5
    name: "Multibanco"
  },
  {
    id: 6
    name: "Restaurante"
  },
  {
    id: 7
    name: "WC"
  },
  {
    id: 8
    name: "Lavagem"
  },
  {
    id: 9
    name: "Venda de gás doméstico em garrafas"
  },
  {
    id: 10
    name: "WC com fraldário"
  },
  {
    id: 11
    name: "Calibragem de pneus"
  },
]
```

### 7.3 Response

```
{
  id: 12
  name: "WC para deficientes"
},
{
  id: 13
  name: "Venda de gásóleo agrícola"
},
{
  id: 14
  name: "Venda de carburante de qualidade superior"
},
{
  id: 15
  name: "Venda de gásóleo para aquecimento"
},
{
  id: 16
  name: "Via verde"
}
]
```