

PTV Fuel Price Data XML Documentation



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1. General Information

PTV Fuel Price Data is available for individual or multiple European countries as XML files. There is always one XML file per country and the update cycles of the countries can vary a lot.

Below are described the tags for each Placemark, where one Placemark represents one gas station.

Tags	Type	Description
uuid	string	Station unique identifier
lastmodified	string	Last static data update DD/MM/YYYY HH:MM:SS Europe/Paris Time Zone
name	string	Name of the station
brand	string	Station brand name – if the station is independent (meaning not a major brand), the field contains “independent”
coordinates	double, double	longitude,latitude Describes the longitude of the station in the interval [-180,180] and the latitude of the station in the interval [-90,90], both in format WGS 84
address	string	Address of the station
zipcode	integer	Zipcode of the station
locality	string	City where the station is located
administrative_area	string	Administrative area where the station is located
country	string	Country ISO code in 2 characters (see Annex A)
timezone	string	Timezone of the site, formatted as UTC offset: ^(\+ \-)(\d{2}):(\d{2})\$
highway	integer	If station is on a highway, value is 1. If not, or if we don't know, then value is 0.
hours	string	Opening hours (See Annex D)
phone	string	Phone number in MISDN format
currency	string	Local currency (see Annex A)
volumeunit	string	Local volume unit (see Annex A)
type	string	Unique gas name valid for all countries (see Annex B)
code	string	Unique gas identifier, country dependent (see Annex C)
price	double	Gas price in local currency
date	string	Last price update DD/MM/YYYY HH:MM:SS Time is expressed in the local time zone of the station
service	string	Service and Payment provided at station (see all services listed in the attached 20230526_ServiceOverview.xml)

Remark 1:

If a value is missing in the database, it is replaced with 'na', except for the `administrative_area` where the field will be empty when the info is not available. For instance, if we do not have the opening hours for a given station, the tag will look like the following: `<hours>na</hours>`.

Remark 2:

In the structure of the XML, the `<name>` placed after `<document>` refers to the name of the document, while the `<name>` in a `<Placemark>` refers to the name of a station.

2. XML Structure

```
<?xml version="1.0" encoding="UTF-8"?>
<Document>
<name></name>
  <Placemark>
    <uuid></uuid>
    <lastmodified></lastmodified>
    <name></name>
    <brand></brand>
    <coordinates></coordinates>
    <address></address>
    <zipcode></zipcode>
    <locality></locality>
    <administrative_area></administrative_area>
    <country></country>
    <timezone></timezone>
    <highway></highway>
    <hours></hours>
    <phone></phone>
    <Prices>
      <price code="" currency="" date="" type=""
        volumeunit=""></price>
      ...
      <price code="" currency="" date="" type=""
        volumeunit=""></price>
    </Prices>
    <Services>
      <service></service>
      ...
      <service></service>
    </Services>
  </Placemark>
</Document>
```

Annex A

Country	Country code	Currency	Volume unit
Andorra	AD	EUR	l
Austria	AT	EUR	l
Belgium	BE	EUR	l
Bosnia-Herzegovina	BA	BAM	l
Bulgaria	BG	BGN	l
Croatia	HR	HRK	l
Cyprus	CY	TRY, EUR	l
Czech-Republic	CZ	CZK	l
Denmark	DK	DKK	l
Estonia	EE	EUR	l
Finland	FI	EUR	l
France	FR	EUR	l
Germany	DE	EUR	l
Greece	GR	EUR	l
Hungary	HU	HUF	l
Ireland	IE	EUR	l
Italy	IT	EUR	l
Latvia	LV	EUR	l
Liechtenstein	LI	CHF	l
Lithuania	LT	EUR	l
Luxembourg	LU	EUR	l
Macedonia	MK	MKD	l
Monaco	MC	EUR	l
Netherlands	NL	EU	l
Norway	NO	NOK	l
Poland	PL	PLN	l
Portugal	PT	EUR	l
Romania	RO	RON	l
Russia	RU	RUB	l
San Marino	SM	EUR	l
Serbia	RS	RSD	l
Slovakia	SK	EUR	l
Slovenia	SI	EUR	l
Spain	ES	EUR	l
Sweden	SE	SEK	l

Switzerland	CH	CHF	
Turkey	TR	TRY	
Great Britain	GB	GBP	
Ukraine	UA	UAH	

Annex B

There is a limited number of types of gas at the European level. The table below lists the different types and their description.

Gas types	Description of the gas types
biodiesel	A fuel used in diesel engines, and made of vegetable oil or animal fat
diesel	A fuel used in diesel engines
dieselplus	A diesel fuel with special additives to improve performance
E85	E85 (gas with 85% ethanol)
LPG	LPG (liquid petroleum gas, usually propane, also called Autogas)
methane	Natural gas (also called Compressed Natural Gas, or CNG)
normal	Leaded gasoline (Terminated)
SP92	Unleaded gasoline, with a 92 octane rating
SP95	Unleaded gasoline, with a 95 octane rating
SP95-E10	Unleaded gasoline, with a 95 octane rating and 10% ethanol
SP98	Unleaded gasoline, with a 98 octane rating
truckdiesel	A diesel fuel used by trucks

Each type of gas can be expressed differently according to countries and languages.

For instance, diesel is called “Diesel” in many countries, but “Gasóleo” in Spain and Portugal, “Anleggisdiesel” in “Norway”, “ON” in Poland and “Motorin” in Turkey.

For more info about the names used in each country see the attached 20230526_GasKindOverview.xml.

Annex C

The Gas Code is used to uniquely identify each pair: gas ↔ country.

For instance, fr_sp95 identifies the SP95 in France, whereas de_sp95 identifies the SP95 in Germany.

This is mostly for internal use.

Annex D

Opening Hours & Opening Days are described with <hours>
Format is [N HH:MM-HH:MM] with N=1 for Monday

Hours may be aggregated over several days:

[1-3 08:00-22:00] means opens Monday, Tuesday & Wednesday from 08:00 to 22:00

If a day is not represented, station is closed that day.

Time is expressed in the local time zone of the station.

Example:

<hours>[1-5 06:00-22:00][6-7 06:00-24:00]</hours>

Open Monday to Friday from 06:00 to 22:00

Open from 06:00 to 24:00 during the weekend.