



# BCS – Information

## Supported Products Manual

Lists the products supported by QuantityWare BCS at the time of document publication.

## Notes

The latest version of this documentation can be found in the QuantityWare [Knowledge Base](#). All documentation is kept current for the combinations of latest BCS release with the latest supported SAP Oil & Gas release. For all currently supported combinations see [Note #000086 "Support and Release \(Lifecycle\) details"](#) page 2, "Release Lifecycle".

Your release level can be determined via:

`"/o/QTYW/COCKPIT" -> "Cockpit" -> "Support Package Level"` or

`"/o/QTYW/COCKPIT_GAS" -> "Cockpit" -> "Support Package Level"`

## Version History

Version	Date	Description
v00	2017-08-02	Initial version
v01	2017-11-10	Editorial revision
v02	2019-09-25	Editorial revision
v03	2021-09-20	S/4HANA 2020 / 2020_EX validity confirmed. Modern QW document style applied
V04	2022-07-06	Editorial revision & addition of hydrogen quantity conversions support
V05	2023-04-04	Editorial revision & addition of natural gas – hydrogen mixture quantity conversions support

## Contents

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1. Compliance & Transparency - Petroleum (CTP) .....	4
2. Bulk Calculations - Petroleum (BCP) .....	5
3. Compliance & Transparency - Gas (CTG) .....	6
4. Bulk Calculations - Gas (BCG) .....	7

## 1. Compliance & Transparency – Petroleum (CTP)

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CTP covers:

- All crude petroleum and its products, that are present in the liquid phase (state) at ISO standard reference conditions, specified in ISO 91:2017(E) Annex B “Standard reference conditions”.  
***The ISO standard reference conditions are 101.325 kPa and 15 °C.***  
In general, this covers crude petroleum, products (incl. asphalt/bitumen<sup>1</sup>) and lubricants.
- Liquid hydrocarbons (LPG/NGL) and similar products (e.g., butadiene, hydrogen carriers like anhydrous ammonia etc.), having a vapor pressure greater than atmospheric pressure at 15 °C, for which the standard reference pressure shall be the equilibrium pressure at 15 °C standard reference temperature.
- All biofuel products (e.g., bioethanol, biodiesel etc.), that are present in the liquid phase (state) at ISO standard reference conditions, specified in ISO 91:2017(E) Annex B “Standard reference conditions”.
- All bulk petrochemical products (e.g., industrial aromatic hydrocarbons etc.), that are present in the liquid phase (state) at ISO standard reference conditions, specified in ISO 91:2017(E) Annex B “Standard reference conditions”.
- All additional bulk chemical and alternate fuel products (methanol, MTBE, etc.), that are present in the liquid state at ISO standard reference conditions, specified in ISO 91:2017(E) Annex B “Standard reference conditions”.

For all products falling into one of these categories, QuantityWare already offers or plans to offer implementations of quantity conversion standards, depending on the availability of national/international measurement standards and customer requirements. For a detailed list of standards supported with CTP, read the [“CTP Supported Standards Manual”](#) . Read the [Supported Products FAQ](#) for support of specific products.

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<sup>1</sup> [Asphalt/bitumen](#) may be present as a highly viscous / semi-solid product at ISO conditions.

## 2. Bulk Calculations - Petroleum (BCP)

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BCP covers:

- All crude petroleum and its products, that are present in the liquid phase (state) at ISO standard reference conditions, specified in ISO 91:2017(E) Annex B “Standard reference conditions”.

***The ISO standard reference conditions are 101.325 kPa and 15 °C.***

In general, this covers crude petroleum, products (incl. asphalt/bitumen<sup>2</sup>) and lubricants.

- Liquid hydrocarbons (LPG/NGL) and similar products (e.g., butadiene, hydrogen carriers like anhydrous ammonia etc.), having a vapor pressure greater than atmospheric pressure at 15 °C, for which the standard reference pressure shall be the equilibrium pressure at 15 °C standard reference temperature.
- All biofuel products (e.g., bioethanol, biodiesel etc.), that are present in the liquid phase (state) at ISO standard reference conditions, specified in ISO 91:2017(E) Annex B “Standard reference conditions”.
- All bulk petrochemical products (e.g., industrial aromatic hydrocarbons etc.), that are present in the liquid phase (state) at ISO standard reference conditions, specified in ISO 91:2017(E) Annex B “Standard reference conditions”.
- All additional bulk chemical and alternate fuel products (methanol, MTBE, etc.), that are present in the liquid state at ISO standard reference conditions, specified in ISO 91:2017(E) Annex B “Standard reference conditions”.

For all products falling into one of these categories, QuantityWare already offers or plans to offer implementations of quantity conversion standards, depending on the availability of national/international measurement standards and customer requirements. For a detailed list of standards supported with BCP, read the [“BCP Supported Standards Manual”](#) . Read the [Supported Products FAQ](#) for support of specific products.

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<sup>2</sup> [Asphalt/bitumen](#) may be present as a highly viscous / semi-solid product at ISO conditions.

### 3. Compliance & Transparency – Gas (CTG)

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CTG covers:

- All dry natural gases, hydrogen blended natural gases of any ratio, natural-gas substitutes, and similar products, that are present in the gaseous phase (state) at ISO standard reference conditions, as specified in ISO 13443 First edition –1996-12-15 (last confirmation 2020)<sup>3</sup>.

***The standard reference conditions are 101.325 kPa and 15 °C.***

By this definition, LNG (liquefied natural gas) is also included in the product definition range.

- Liquid hydrocarbons (NGL/LPG), having a vapor pressure greater than atmospheric pressure at 15 °C, for which the standard reference pressure shall be the equilibrium pressure at 15 °C standard reference temperature.
- 100% Hydrogen (H<sub>2</sub>) gas (high- and low-pressure regime), which is due to its nature present in the gaseous phase (state) at ISO standard reference conditions.

For all products falling into one of these categories, QuantityWare already offers or plans to offer implementations of quantity conversion standards, depending on the availability of national/international measurement standards and customer requirements. For a detailed list of standards supported with CTG, read the [“CTG Supported Standards Manual”](#). Read the [Supported Products FAQ](#) for support of specific products.

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<sup>3</sup> For “Wet gas”, refer to [Note 000059](#) for further details of specific support

## 4. Bulk Calculations – Gas (BCG)

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BCG covers:

- All dry natural gases, hydrogen blended natural gases of any ratio, natural-gas substitutes, and similar products, that are present in the gaseous phase (state) at ISO standard reference conditions, as specified in ISO 13443 First edition –1996-12-15 (last confirmation 2020)<sup>4</sup>.

***The standard reference conditions are 101.325 kPa and 15 °C.***

By this definition, LNG (liquefied natural gas) is also included in the product definition range.

- Liquid hydrocarbons (NGL/LPG), having a vapor pressure greater than atmospheric pressure at 15 °C, for which the standard reference pressure shall be the equilibrium pressure at 15 °C standard reference temperature.
- 100% Hydrogen (H<sub>2</sub>) gas (high- and low-pressure regime), which is due to its nature present in the gaseous phase (state) at ISO standard reference conditions.

For all products falling into one of these categories, QuantityWare already offers or plans to offer implementations of quantity conversion standards, depending on the availability of national/international measurement standards and customer requirements. For a detailed list of standards supported with BCG, read the [“BCG Supported Standards Manual”](#). Read the [Supported Products FAQ](#) for support of specific products.

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<sup>4</sup> For “Wet gas”, refer to [Note 000059](#) for further details of specific support

## Legal Notices

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