



CPC

Constant Pressure Sample Receivers



The Jiskoot CPC is a range of low cost, constant pressure (variable volume) sample receivers for the receipt, storage and transportation of liquid and gaseous hydrocarbon samples. The receivers are designed to be pre-charged with inert gas to maintain the sample at process pressure conditions for analysis.

These compact receivers are available with 0.5, 1, 2 or 4 litre capacity and are built to the highest safety standards and designed for ease of handling and storage.

CPC receivers feature low profile valves positioned to avoid accidental operation or damage. They are supplied with a pressure gauge on the 'pre-charge' end and include an integral magnet and external level indicator. Options include an electronic high/low or level sensors and a rugged carrying case.

The piston in the CPC range has been specially designed to prevent jamming and minimize trapped volume that could contaminate samples.

Features

- Suitable for crude oil, condensate, gas, liquidgas and refined hydrocarbons.
- Maintains samples at line pressure for analysis.
- Compact and light - easy to store and transport.
- Easy to install - do not require expansion space for external rods.
- Operator safe - no moving external parts or safety hazards.
- Robust and rugged – not susceptible to damage.
- Complies with ISO 3171, IP 6.2 & API 8.2 when operated within specification as part of a suitable sampling system.
(Please contact Jiskoot for further information about sampling standards)

* Portable receivers are recommended in the ISO 3171, API chapter 8.2 and IP part VI section 2.

Data Sheet SI13-0511-4 Constant Pressure Sample Receivers



Specification

Max. operating pressure	150 bar @ 100°C
Design pressure	150 bar (g)
Process temperature range	-20°C to +110°C (dependant on seal)
Viscosity range	1-1000Cst
Materials	ASME SA479 316L stainless steel
Seals & 'O' rings	Viton, PTFE compounds (standard) (Other seals available)

Suitable for NACE MR-01-75 (2001 edition) applications
 Designed to PD 5500 : 2003 - Specification for unfired fusion welded pressure vessels

Dimensions

0.5 litre receiver

Volume	500ml
Overall length	454mm*
Weight	8kg (empty)*
Operations per lifecycle	1600 pressure cycles 150 barg > 0 barg
Classification	SEP (PS<200)

1 litre receiver

Volume	1000ml
Overall length	631mm*
Weight	10kg (empty)*
Operations per lifecycle	1600 pressure cycles 150 barg > 0 barg
Classification	SEP (PS<200)

2 litre receiver

Volume	2000ml
Overall length	532mm*
Weight	14.2kg (empty)*
Operations per lifecycle	1600 pressure cycles 150 barg > 0 barg
Classification	CE marked to meet Pressure Equipment Regulations (97/3/EC) as a Category 3 vessel for a Group 1 gas

4 litre receiver

Volume	4000ml
Overall length	787mm*
Weight	19.5kg (empty)*
Operations per lifecycle	1600 pressure cycles 150 barg > 0 barg
Classification	CE marked to meet Pressure Equipment Regulations (97/3/EC) as a Category 3 vessel for a Group 1 gas

* approximate measures

Options

• PED Certification	• Septum take-off
• Mounting brackets	• Mounting brackets with receiver full sensor
• Receiver full sensor	• Carry case
• ShearMix sample receiver mixing	• Level sensor



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