

# **+ JISKOOT PR Series Portable Sample Receivers**

**Maintain sample integrity all the way from pipeline to lab**

## **APPLICATIONS**

Made for the midstream – JISKOOT PR Series Portable Sample Receivers are used in the crude oil and terminal space to contain samples until the quality and water-cut can be determined for accurate custody transfer.

## **BENEFITS**

JISKOOT PR Series Portable Sample Receivers have been carefully designed to protect your samples from factors which could potentially impact the quality and water-cut – like light ends flashing off or water escaping. Different features like changes in back pressure ensure the different fluid types have the right receiver.

## **FEATURES**

JISKOOT PR Series Portable Sample Receivers are available in a number of variations to meet your unique operational and process requirements:

- + The standard PR-23 & PR-53 are a low-cost receiver to be used for weathered fluids that have a vapor pressure.**
- + The PR-53SS receiver is used for fluids that may have corrosive properties that could compromise the integrity of the receiver.**
- + The PR-23 HP receiver maintains a higher back pressure to ensure that entrained gases stay in the sample fluid.**
- + The PR-23HP-DOT and PR-53HP-DOT receivers maintain a higher back pressure to ensure that entrained gases stay in the sample fluid – with UN-DOT 1A1/X1.8/1390 certifications.**
- + The PR-2.0 receiver is designed for small volume samples that have a high vapor pressure to keep entrained gases within the fluid.**

**After extracting the sample from the pipeline, the next critical step is effective sample containment – requiring the correct receiver to ensure sample integrity.**

Portable liquid sample receivers are designed for use in automatic sampling systems and can be pulled from the sampling system and taken to a laboratory for mixing and analysis.



JISKOOT™ PR Series Portable Sample Receivers are ideal for the collection and storage of crude oils, condensates and refined product samples. Hydrocarbon liquids come in a variety of densities, viscosities and vapor pressures, which is why the PR line of sample receivers includes several different designs to ensure the sample integrity is maintained from the point of sample all the way to the lab.

The standard versions of the JISKOOT PR sample receivers are available in 304 stainless steel, but can also be manufactured in 316 stainless steel to ensure that you have the right receiver material to meet the most challenging sampling applications. All receivers are supplied complete with internal spray bars, pressure gauges, pressure relief valves, vacuum breaker valves as well as a facility for a customs seal.

For the standard PR receivers, the back pressure is set for 1 Bar above atmospheric pressure to prevent loss of light ends on weathered hydrocarbon liquids. For hydrocarbon liquids that have a vapor pressure above 1 Bar (14.5 psi), we

have a variety of receivers to ensure that any light vapors stay entrained in the fluid, which ensures the fluid is not altered.

The sample is introduced into the receivers through a tube below the surface of the fluid to ensure that the samples are not aerated which would lighten the fluids density and impact its quality.

All JISKOOT PR receivers are designed for use with the JISKOOT MS-53 Laboratory Mixer and have sized connectors to prevent errors associated with in-correct connection make-up. Adaptors can also be supplied to allow interconnection with a variety of other mixing devices.

The standard JISKOOT PR sample receivers (low pressure) have been granted a full certificate of exemption from The Pressure Systems and Transportable Gas Containers Regulations 1989 (S.I.1989 No. 2169). The high-pressure PR receivers have ASME certifications as well as Canadian CRN registrations. The PR-DOT receivers are designed with ASME, CRN and UN-DOT certifications that allow users to have a greater flexibility on how they transport their samples to the lab.



#### PR-23 & PR-53 SAMPLE RECEIVER

The JISKOOT PR-23 & PR-53 low pressure sample receivers are designed for automatic sampling applications, where crude oils, condensates and refined products are well weathered and have a vapor pressure below 14 PSI (101 KPA).



#### PR-53 316

For sampling applications with corrosive crude oils, condensates and refined products fluids, the JISKOOT PR-53 316 is the perfect low-pressure receiver, as it is made from 316 stainless steel.



#### PR-23HP SAMPLE RECEIVER

The JISKOOT PR-23HP is designed for applications where the fluids have a vapor pressure above 14 PSI (101 KPA) or where fluid applications require more back pressure to ensure light end vapors remain intact. These receivers are designed to ASME Section VIII-01, Div. 1.



#### PR-23HP-DOT & PR-52HP-DOT

The JISKOOT PR HP-DOT receivers are designed and manufactured to the highest level of safety standards. They come in two sizes (11 and 18 liter) and are designed with ASME Section VIII-01, Div. 1 certifications and UN DOT 1A1/X1.8/1390 certifications.



#### PR-2.0 SAMPLE RECEIVER

The JISKOOT PR 2.0 Small Volume Sample Receiver is designed to maintain a higher back pressure on the sample for applications that require the storage of volatile crude oils and condensates. With a smaller volume than our traditional PR receivers, this receiver is perfect for spot sampling, and representative sampling applications that do not require large volumes of fluid.

## JISKOOT PR Sample Receivers Specifications

	Fluid Type	Total Volume	Volume @ 80% fill	Relief Pressure	Max Allowable Vessel Pressure	Material	Height	Width	Dry Weight	Certs
<b>PR-23</b>	Crude Oil, Condensate, Refined Products	9 liters (2.5 USG)	7.2 liters (2.0 USG)	1 bar (14.5psi)	7 bar @ 38°C 101 psi @ 100°F	304SS	369mm (14.5 in)	225 mm (8.9 in)	3 kg (6.5 lbs)	
<b>PR-53</b>	Crude Oil, Condensate, Refined Products	18 liters (4.7 USG)	14.4 liters (3.8 USG)	1 bar (14.5psi)	7 bar @ 38°C 101 psi @ 100°F	304SS	590 mm (23.2 in)	225 mm (8.9 in)	4.5 kg (10lbs)	
<b>PR-53SS</b>	Crude Oil, Condensate, Refined Products	19.5 liters (4.7 USG)	15.6 liters (3.8 USG)	1 bar (14.5psi)	6 bar @ 38°C (87 psi @ 100°)	316SS	628 mm (24.7 in)	216 mm (8.1 in)	4.5 kg (10lbs)	
<b>PR-23HP</b>	Crude Oil, Condensate, Refined Products	11.4 liters (3 USG)	9.12 liters (2.4 USG)	3.4 bar (50psi)	10 bar @ 38°C 145 psi @ 100°F	304SS	559 mm (22 in)	318 mm (12.5 in)	3.5 kg (7.7 lbs)	ASME CRN
<b>PR-23HP-DOT</b>	Crude Oil, Condensate, Refined Products	11.4 liters (3 USG)	9.12 liters (2.4 USG)	4.1 bar (60psi)	10 bar @ 38°C 145 psi @ 100°F	304SS	546 mm (21.5 in)	318 mm (12.5 in)	4 kg (8.75 lbs)	ASME CRN UN-DOT
<b>PR-53HP-DOT</b>	Crude Oil, Condensate, Refined Products	18.9 liters (5.0 USG)	15.1 liters (4.0 USG)	4.1 bar (60psi)	10 bar @ 38°C 145 psi @ 100°F	304SS	718 mm (28.3 in)	318 mm (12.5 in)	4.5kg (10lbs)	ASME CRN UN-DOT
<b>PR-2.0</b>	Crude Oil, Condensate, Refined Products	2 liters (0.5 USG)	1.6 liters (0.4 USG)	1 bar (14.5psi)	10 bar @ 165°C 150 psi @ 329°F	304SS	168mm (6.6 in)	225 mm (8.9 in)	3 kg (6.5 lbs)	ASME CRN