Single Point Sampler

Online Sampling

Lightweight and compact connection

The effective link to ensure accurate contamination monitoring

The SPS (Single Point Sampler) is a lightweight, compact and easy to use online sampling unit that connects an icountLCM20 or H_2Oil to a single pressure test point in a fluid system. Suitable for use with mineral and biodegradable oils, petroleum based and phosphate ester fluids, the SPS offers fingertip operated control even at high pressures - 420 bar (6000 PSI) rated maximum pressure.

Contact Information:

Parker Hannifin
Hydraulic Filter Division Europe

European Product Information Centre
Freephone: 00800 27 27 5374
(from AT, BE, CH, CZ, DE, EE, ES, FI, FR, IE, IT, PT, SE, SK, UK)
filtrationinfo@parker.com

www.parkerhfde.com

Product Features:

- Lightweight, compact and easy to use online sampling unit.
- Connects an icountLCM20 or H_2Oil to a single pressure test point in a fluid system.
- Suitable for use with mineral and biodegradable oils, petroleum based and phosphate ester fluids.
- 420 bar (6000 PSI) rated maximum pressure

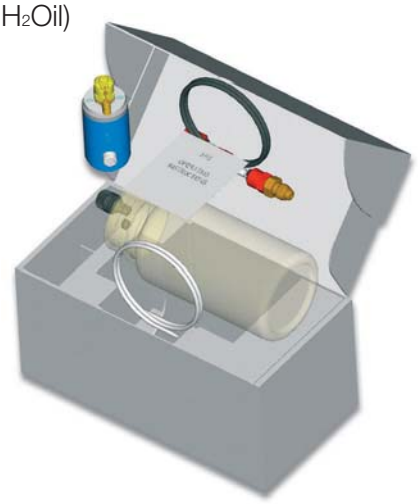
Single Point Sampler

Online Sampling

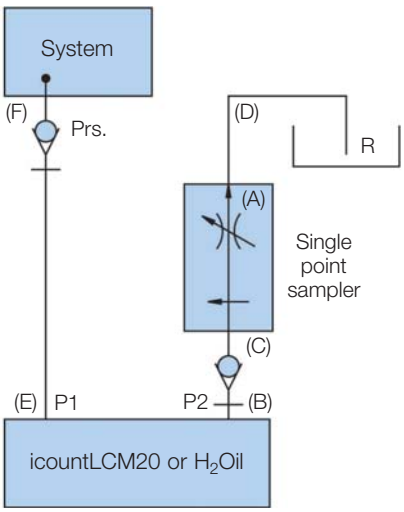
Features & Benefits

The Single Point Sampler provides a means to connect an icountLCM20 or H_2Oil to a single pressure test point and balance the differential pressure across the system, to provide a controlled flow of oil into the icountLCM20 or H_2Oil and away into a waste oil receptacle.

- Lightweight, compact and easy to use design
- Fingertip operated control valve even at high pressures
- 420 bar (6,000PSI) rated
- Facilitates testing from large diameter pipework
- Capability to test up to 500cSt viscosity oils (pressure permitting)
- Pressure compensated flow control mechanism
- Possible to control the valve with the same level of accuracy whether the device is operating at high or low pressure
- Capable of allowing a flow rate in excess of 10ml/min when operating at any viscosity within the product specification
- Suitable for fluid temperatures from +5°C to +80°C (+41°F to +176°F)
- High quality polished finish. (stainless steel/ aircraft grade aluminium)
- Capable of working with an icountLCM20 or H_2Oil connected into a system via the standard one metre extension hose kit
- Suitable for use with mineral and biodegradable oils, petroleum based and phosphate ester fluids
- Phosphate ester version utilises the $^5/_8$" BSF HSP style fitting
- Designed so that it meets the lowest possible level of magnetic permeability
- Supplied with accessories kit
- It will maintain the set flow rate between upper and lower limits within a 100 bar inline pressure change
- Clear product identification to ensure that it is connected correctly. (i.e. downstream of the icountLCM20 or H_2Oil)



Connection Instructions



1. Ensure valve is closed (A).
2. Connect P2 on icountLCM20 or H_2Oil (B) to P2 on Single Point Sampler (SPS) (C).
3. Connect drain line on SPS (D).
4. Connect P1 of icountLCM20 or H_2Oil (E) to the system (F).
5. The SPS is ready to operate.
6. Open valve (A) slowly until the oil flows continuously from the drainline (D) into a reservoir or recepticale (R).
7. Switch on monitor and begin testing.

icountLCM20 Only

Carry out flow test as shown in the manual. If test is showing below Δt 3.6°C then carry out test as normal. If, however, test is above Δt 3.6°C then increase oil flow by turning valve (A) anticlockwise and then carry out flow test. Do this until Δt is below 3.6°C and carry out test as normal once achieved.

WARNING! Ensure that SPS valve is closed and icountLCM20 or H_2Oil is connected to the SPS BEFORE connection to system.

Specification

Fluid compatibility:
Mineral oil and petroleum based fluids (standard version). Aggressive fluid (dual seal version) for other fluids consult Parker Hannifin.

Seals:
Fluorocarbon or Perfluoroelastomer.

Maximum working pressure:
420 bar (6000 psi).

Weight:
500 grams max. (Not including hoses).

Packaging standard:
Cardboard carton (military usage - plastic carry case).

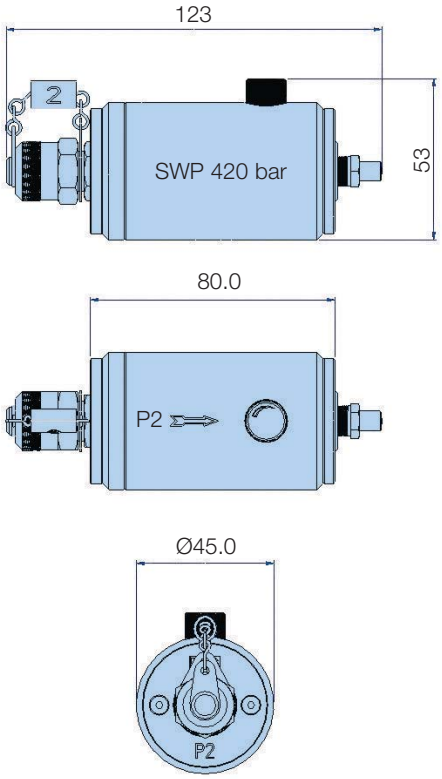
Unit size:
45mm dia x 123mm long. (1.77in dia x 4.8in long).

System connection:
Standard - M16 (G1/4" BSP) with cap,
Aggressive - 5/8" BSF HSP.

Operating temp range:
+5°C to +80°C (+41°F to +176°F).

Storage temperature range:
-26°C to +80°C (-15°F to +176°F).

Construction:
Body: Aluminium BS 1470 – pressurised end stainless steel.
Finish: Anodised blue (standard version) - Mineral Oil.
Anodised red (dual seal version) - Aggressive Oil.



Ordering Information

Standard products table

Part number	Supersedes	Description
SPS2021	SPS.2021	Single point sampler (Mineral Oil fluids)
SPS2061	SPS.2061	Single point sampler (Aggressive/phosphate ester fluids
ACC6NW003	B84784	Waste bottle (Universal)
ACC6NH001	B84224	Extension hose/coupling (Mineral fluids)
ACC6NH002	B84225	Extension hose/coupling (Aggressive/phosphate ester fluids)
ACC6NH003	B84788	Waste hose (Mineral Oil)
ACC6NH004	B84787	Waste hose (Aggressive/phosphate ester fluids)

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.
Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.