Universal Minimess®
Oil Sampling Kit

- Safe & easy to use Minimess® sampling points
- Take oil samples up to 630 bar working pressure
- Extract oil samples from low or non pressurised vessels & tanks
- A wide range of fittings & adaptors allow for Minimess® sampling points to be easily installed.
- Allows for leak free sampling of a wide oil viscosity range

The Universal Minimess® oil sampling kit contains all you need to be able to extract oil samples safely and easily from almost anywhere on your machine or plant. The ultimate sampling kit for service Engineers!

Discover more at www.hydrotechnik.co.uk
3101-20-00.USK Universal Oil Sampling Kit

Kit Contents / spares list

1. High Pressure 630 bar Minimess® 1620 Sampling Hose 1.5m long
2. Vacuum Minimess® 1604 Sampling Hose 1.5m long
3. 100ml plastic oil sampling bottle
4. 690 bar (10,000psi) rated oil sampling tap with Minimess® 1620 hose connection
5. Vacuum Thief Pump for tank / gearbox oil sampling via Minimess® 1604 sampling probe & vacuum hose.

6. 1/4", 3/8" & 1/2" bonded sealing washers
7. 1/4" BSP male / swivel female Minimess® 1620 sampling point tee adaptor
8. 3/8" BSP male / swivel female Minimess® 1620 sampling point adaptor
9. 1/2" BSP male / swivel female Minimess® 1620 sampling point adaptor
10. 3/4" BSP male / swivel female Minimess® 1620 sampling point adaptor
11. Minimess 1620® sampling point to 1/4" BSP male thread with captive seal.
12. 1/4" BSP female to 3/8" BSP male thread adaptor.
13. 1/4" BSP female to 1/2" BSP male thread adaptor.
14. Minimess® 1604 sampling point with 6" (150mm) long sampling probe. 1/4" BSP male screw in thread with captive seal.
Max. working pressure 63 Mpa (630 bar) according to ISO 15171-2

Material
Coupling body and metal cap made of steel 1.0718
NOTE: UNLESS STATED OTHERWISE, ALL PRODUCTS SHOWN IN THIS CATALOGUE ARE MADE OF FREE-CUTTING STEEL 1.0718.

Sealing
Internal primary and secondary sealing as well as sealing for screw-in threads are made of NBR (Perbunan). Option in FKM (Viton). EDM available on request

Vibration
NBR (Perbunan) and/or FKM (Viton) O-ring to prevent cap loosening due to vibration.

Screw-in thread
Large range of threads are available.

Media application
Suitable for hydraulic- and other oils of a mineral oil basis.

Temperature ranges for applications with metal cap (standard)
Sealing made of NBR (Perbunan): -25°C to +100°C, for a short time, can be also used up to +120°C
Sealing made of FKM (Viton) is an option: -20°C to +200°C
Application with plastic cap (option) and for both sealing materials: -20°C to +100°C

Thread form data

Thread port according to DIN 3852 part 1 and part 2, form Z (sealed with suitable sealant)

Thread port according to SAEJ 514 (UNF) or according to ISO 6149-1 (sealed with O-ring)

Thread Port up to Ø d according to DIN 3852 part 1 and part 2, from X (sealed with flat seal)

Thread Port according to HYDROTECHNIK standard N901-01-14 (sealed with O-ring)

Thread Port according to ANSI/ASME B1.20.1-1983 (self sealing thread)
MINIMESS® 1620 or ‘Test 20’ is the most commonly used test point across all industries. The wide choice of materials and connection threads make this the most versatile range available.

Option

For sealing in FKM (Viton) Exchange end digits from 00 to 10

Other materials, designs, sealing and screw-in threads on request.
We reserve the right to carry out technical modifications.

*M8x1 – Please do not use for new machinery design.
**Form E – ISO 6149-2.
Minimess® 1604 Test / Sampling Points

1604 Minimess test points - 4mm nom. bore - M16 buttress thread
For use with viscous fluids e.g. gear oils or for quicker flow requirements

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<th>Thread</th>
<th>Type of sealing</th>
<th>Torque Nm</th>
<th>p max Bar</th>
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<th>i mm</th>
<th>SW mm</th>
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Option
For FKM (Viton) exchange end digits from 00 to 10

Minimess® 1604 Test / Sampling Points

- Metal cap with anti vibration O-ring
- Free cutting steel 1.0718
- Stainless steel 1.4571

Universal Minimess® Oil Sampling Kit

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BSP Inline Test Point Tee Adaptors

BSP Parallel male x swivel female (60° cone sealing) test point adaptor c/w 1620 Minimess™ test point fitted.

In line SNA Minimess® pressure test point adaptors are a simple and easy method of adding test points into a system.

Suitable for OEM build or retro-fitting to existing systems, SNAs fit between hose joints or manifold and hose.

Special configurations are available for OEM applications. Call for details.

Also available in JIC, ORFS & Metric formats.

FEATURES:
- Test under pressure using Hydrotechnik leak free minimess connections up to 630 bar.
- Connect & disconnect under full system pressure.
- In-line test point tees offer excellent system access versatility.

BSP Format

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Also available with 1215 & 1615 test points fitted e.g for 1215 series test point fitted to SNA01 - order as SNA01-1215.