



Test Standard Chamber Compatibility Guide

Welcome to the Ascott

Test Standard Chamber Compatibility Guide



This corrosion test guide is designed to make selecting a chamber a simple task. All you need to do is;

- Select the test standards you require from pages 4 to 9 for the tests that you want to perform.
- Referring to the key, select the appropriate chamber model and size, and any necessary optional accessories.
- Request the relevant quote from your local [Ascotts sales representative](#), or via our website www.ascott-analytical.com/chamber-selector/

Salt Spray & Cyclic Corrosion Test Chambers



Standard Salt Spray Chamber (S..iS)

Ascotts standard salt spray chamber with designation S...iS are available in 6 sizes, 120L, 450L, 1000L, 1300L, 2000L & 2600L. They are designed to run continuous salt spray tests conducted at a single user adjustable temperatures, such as ASTM B117, ISO 9227, JIS 2371 plus many more.

The chambers can be used for Neutral salt spray test solutions (NSS) or acidified solutions with the addition of Acetic Acid (ASS) or Cupric Acid (CASS).



Premium Salt Spray Chamber (S..iP)

Ascotts Premium salt spray chamber with designation S...iP are available in 6 sizes, 120L, 450L, 1000L, 1300L, 2000L & 2600L. They can perform the same basic salt spray tests as standard models, but can combine this to run a 2 part test cycle, either salt spray followed by drying, salt spray followed by wetting (condensate humidity).

They can also be programmed to run single salt spray, drying or condensate humidity profiles.



Cyclic Corrosion Test Chambers (CCT)

Ascotts Cyclic Corrosion chambers are designed to be flexible, with many accessories available to comply with as many cyclic corrosion tests as possible.

The CCiP range is available in 5 sizes, 450L, 1000L, 1300L, 2000L, 2600L and can be fitted with over 100 accessories, making them one of the most flexible chambers available on the market.

As standard the chamber comes with the ability to create four distinct climates, salt spray, wetting (condensate humidity), drying and controlled humidity. These can be programmed in any sequence, for any period of time and can be repeated automatically.

Atmosfär Test Chambers

Atmosfär chambers have been designed specifically for fully automatic testing in accordance with highly demanding test profiles from the world's top automotive manufacturers. The Atmosfär chamber is available in 2 sizes, 1300L or 2600L and is fitted with certain accessories to accommodate the test standards from FORD, VOLVO, SCANIA plus many others. There are different temperature ranges available, Lite from 20°C (68°F), or sub-zero from -20°C or -40°C (-4°F or -40°F). Refrigeration available with CO₂ or R449A Technology.

Atmosfär chambers can be supplied with **CO₂ Cooling** according to EU F-GAS regulation 2024/573 with a GWP 1.



Atmosfär Lite

The Atmosfär Lite is fitted as standard with an external cooling unit, allowing temperatures as low as to 20°C (68°F), psychrometric humidity control for RH 90% and above, and a high level swaying spray bar which sprays salt solution directly on the samples below. The chamber can be fitted with various accessories to extend the testing capability.



Atmosfär

The Atmosfär Chamber is fitted as standard with the same accessories as the Atmosfär Lite, but with an external sub-cooling unit, allowing test temperatures as low as -20°C or -40°C (-4°F or -40°F) dependant on the model ordered. The chamber is supplied with an insulated canopy to improve the efficiency of the chamber at low levels, and can reach internal temperature of +70°C (158°F).



Atmosfär Premium Lite

The Atmosfär Premium Lite, is the latest generation upgrade to the Atmosfär Lite chamber. The chamber is manufactured with certain accessories fitted as standard, to meet the widest range of test standards on the market. This chamber is the ideal choice for future proofing compliance for test standards performed at +20°C to +80°C (68°F to 176°F).



Atmosfär Premium

The Atmosfär Premium Chamber is the Rolls Royce of the corrosion test world, this chamber offers the greatest flexibility and covers the majority of test standards including climatic tests from Volkswagen PV1200 & PV1209. The chamber is fitted with a package of accessories as standard, including options for sub cooling to either -20°C or -40°C (-4°F or -40°F), up to +80°C. This enables the chamber to run tests from HONDA, VDA, HYUNDAI, KIA, and Volkswagen as standard. The Atmosfär Premium Chamber is truly without equal in the world of corrosion testing.

Test Standard Chamber Compatibility

| Test Standard Type | Origin | Test Standard Method | Ascott Chambers (See full descriptions on pages 2-3) | | | | | | | Optional Accessories (See full descriptions on pages 10-11) | | | | | | | | | |
|---------------------------|----------------|-------------------------|--|------|-----|--------------|----------|-----------------------|------------------|---|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| | | | S.iS | S.iP | CCT | AtmosfärLite | Atmosfär | Atmosfär Premium Lite | Atmosfär Premium | ACC01 | ACC25 | ACC29 | ACC32 | ACC34 | ACC112 | ACC47 | ACC30 | ACC90 | ACC42 |
| Automotive Test Standards | Australian | AS 2331 M 3.13 Cycle A | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | Australian | AS 2331 M 3.13 Cycle B | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | Australian | AS 2331 M 3.13 Cycle C | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | Australian | AS 2331 M 3.13 Cycle E | | | ● | ● | ● | ● | ● | | | | | | | | | | |
| | BMW | AA-0129 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | BMW | AA-0213 (AA-P 224) | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | BMW | AA-0224 (AA-P 175) | | | ● | ● | ● | ● | ● | | | ▲ | | | ▲ | | | | |
| | BMW | AA-0324 (AA-P 184) | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Fiat | Fiat 50493 | | | ● | ● | ● | ● | ● | | | | | | | ● | | | |
| | Fiat | 50180 method A1 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Fiat | 50180 method A2 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Fiat | 50180 method A3 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Ford | FORD CETP00.00-L-467 | | | | ● | ● | ● | ● | | | | | | | | | | |
| | Ford | FLTM BI 103-01 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Ford | FLTM BI 123-03 | | | ● | ● | ● | ● | ● | | | ▲ | | | ▲ | | | | |
| | General Motors | GM9540P | | | ● | ● | ● | ● | ● | | | ▲ | ● | | ▲ | | ● | | |
| | General Motors | GMW14872 | | | ● | ● | ● | ● | ● | | | ▲ | ● | | ▲ | | ● | | |
| | General Motors | GM4298P | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | General Motors | GM4465P | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | German | VDA 233-102 | | | ● | | ● | | ● | | | ● | ● | | | | | | |
| | German | DIN 55635 | | | ● | | ● | | ● | | | ● | ● | | | | | | |
| | Honda | CCT H/B | | | ● | ● | ● | | ● | | | ▲ | | | ▲ | ● | | | ● |
| | Honda | Honda 5100Z Basic Mode | | | ● | | ● | | ● | | | ● | | | | ● | | | ● |
| | Honda | Honda 5100Z Simple Mode | | | ● | ● | ● | | ● | | | ▲ | | | ▲ | ● | | | ● |

KEY

- Fully Complies with Test Standard without optional accessories.
- Fully complies with test standard with accessories fitted.
- Fully complies with test standard with 450L Capacity chamber and above.
- Fully complies with test standard with accessories fitted.
- ▲ Requires either ACC112 or ACC29 on CCT only.

| Test Standard Type | Origin | Test Standard Method | Ascott Chambers (full descriptions on pages 2-3) | | | | | | | Optional Accessories (full descriptions on pages 10-11) | | | | | | | | | |
|---------------------------|-------------------|----------------------------|--|-------|-----|--------------|----------|-----------------------|------------------|---|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| | | | S..iS | S..iP | CCT | AtmosfärLite | Atmosfär | Atmosfär Premium Lite | Atmosfär Premium | ACC01 | ACC25 | ACC29 | ACC32 | ACC34 | ACC112 | ACC47 | ACC30 | ACC90 | ACC42 |
| Automotive Test Standards | Honda | Honda 5100Z Structure Mode | | | ● | | ● | | ● | | | ● | | ● ● | | ● | | | ● |
| | Hyundai/KIA | Hyundai CCT-A | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | Hyundai/KIA | Hyundai CCT-B | | | ● | | ● | | ● | | | ● | | | | ● | | | ● |
| | Hyundai/KIA | Hyundai CCT-C | | | ● | | ● | | | | | ● | | ● ● | | ● | | | ● |
| | Hyundai/KIA | Hyundai CCT-D | | | ● | | ● | | | | | ● | | ● ● | | ● | | | ● |
| | Jaguar Land Rover | TPJLR.52.265 | | | | ● | ● | ● | ● | | | | | | | | | | |
| | Jaguar Land Rover | JNS 30.16.03 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Jaguar Land Rover | TPJLR.52.252 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Japanese | JASO M 609 | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | Japanese | JASO M 610 | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | Japanese | JIS H 8502 M4 | | | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Japanese | JIS H 8502 M5 | | | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Mazda | MCT-2M (MES MN 601G) | | | ● | ● | ● | ● | ● | | | | | | | ● | | | |
| | Mazda | MCT-3M (MES MN 601G) | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | Nissan | CCT-1 | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | Nissan | CCT-2 | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | Nissan | CCT-4 | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | Nissan | CCT-5 | | | ● | ● | ● | | ● | ● | | | | ● ● | | ● | | | ● |
| | Nissan | NES M0007 Method A | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| | Nissan | NES M0007 Method B | | | ● | ● | ● | ● | ● | ● | | | | | | ● | | | ● |
| | Nissan | NES M0140 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| | Nissan | NES M0158 | | | ● | ● | ● | | ● | ● | | | | ● ● | | ● | | | ● |
| | Porsche | PPV 4017 | | | ● | | ● | | | ● | | | ● | | | | | | |
| | Renault | D17 2028 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| | Renault | Renault ECC-1 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| | Renault | RNES-G-00005 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |

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|---------------------------|---------------------------|----------------------------|--|-------|-----|--------------|----------|-----------------------|------------------|---|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| | | | S..iS | S..iP | CCT | AtmosfärLite | Atmosfär | Atmosfär Premium Lite | Atmosfär Premium | ACC01 | ACC25 | ACC29 | ACC32 | ACC34 | ACC112 | ACC47 | ACC30 | ACC90 | ACC42 |
| Automotive Test Standards | Renault | RNES-G-00006 | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | Renault | RNES-G-00007 | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | Renault | D17 1058 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Scania | Scania STD 4319 | | | | ● | ● | ● | ● | | | | | | | | | | |
| | Scania | Scania STD 4445 | | | | ● | ● | ● | ● | | | | | | | | | | |
| | Toyota | Toyota TSH1555G Method A+B | | | ● | ● | ● | ● | ● | | | ▲ | | ● ● | ▲ | ● | | | |
| | Toyota | Toyota TSH1555G Method C | | | ● | ● | ● | ● | ● | | | ▲ | | | ▲ | ● | | | |
| | USA | SAE J 2334 Method A | | | ● | ● | ● | ● | ● | | | | ● | ● | | | | | |
| | USA | SAE J 2334 Method B | | | ● | ● | ● | ● | ● | | | | ● | | | | ● | | |
| | USA | SAE J 2334 Method C | | | ● | ● | ● | ● | ● | | ● | | ● ● | | | | | | |
| | USA | SAE J 2635 | | | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Volkswagen (VW) | PV 1078 | | | ● | | ● | | ● | | | ● | | | | ● ● | | | |
| | Volkswagen (VW) | PV 1200 | | | ● | | ● | | ● | | | ● | | | | ● ● | | | |
| | Volkswagen (VW) | PV 1209 | | | ● | | ● | | ● | | | ● | | | | ● ● | | | |
| | Volkswagen (VW) | PV 1210 | | | ● | ● | ● | ● | ● | | | | | | | | | ● | |
| | Volvo | VDA 621-415 | | | ● | ● | ● | ● | ● | | | | | | | | | | ■ |
| | Volvo | Volvo STD 1027,1375 | | | | ● | ● | ● | ● | | | | | | | | | | |
| | Volvo | Volvo STD 1027,14 | | | | ● | ● | ● | ● | | | | | | | | | | |
| | Volvo | Volvo STD 423-0014 | | | | ● | ● | ● | ● | | | | | | | | | | |
| | Volvo | Volvo STD 4233 | | | | ● | ● | ● | ● | | | | | | | | | | |
| Volvo | Volvo VCS 1027,1449 ACT-2 | | | | ● | ● | ● | ● | | | | | | | | | | | |
| Volvo | Volvo VCS 1027,149 ACT-1 | | | | ● | ● | ● | ● | | | | | | | | | | | |
| Volvo | STD 5711,102 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | |
| American Test Standards | Military | MIL-STD-202 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Military | MIL-STD-750 method 1046 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Military | MIL-STD-810G | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |

| | | | |
|------------|---|--|---|
| KEY | ● Fully Complies with Test Standard without optional accessories. | ▲ Requires either ACC112 or ACC29 on CCT only. | ● Fully complies with test standard with 450L Capacity chamber and above. |
| | ● Fully complies with test standard with accessories fitted. | ● May require additional conditioning unit for 23C/50%RH Control - or use of a climatic chamber. Either ACC90 / ACC112 or ACC29. | ■ Ambient temperature must be below 23°C. If not include ACC112 & ACC112/INT. |
| | ● Fully complies with test standard with accessories fitted. | | |

Visit our online chamber selector at: www.ascott-analytical.com/chamber-selector/

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|-------------------------|-------------------|-------------------------|--|-------|-----|--------------|----------|-----------------------|------------------|---|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| | | | S..iS | S..iP | CCT | AtmosfärLite | Atmosfär | Atmosfär Premium Lite | Atmosfär Premium | ACC01 | ACC25 | ACC29 | ACC32 | ACC34 | ACC112 | ACC47 | ACC30 | ACC90 | ACC42 |
| American Test Standards | USA | ASTM D2247 | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | USA | ASTM G44 | | | ● | ● | ● | ● | ● | | | | | ● | | | | | |
| | USA | ASTM D6899 | | | ● | | | ● | | | | | | | | ● | ● | | |
| | USA | ASTM B117 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | USA | ASTM B287 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | USA | ASTM B368 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | USA | ASTM D5894 | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | USA | ASTM G43 | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | USA | ASTM G85 annex A1 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | USA | ASTM G85 annex A2 | | | ● | ● | ● | ● | ● | | | | | | | | | | |
| | USA | ASTM G85 annex A3 | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | USA | ASTM G85 annex A4 | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| | USA | ASTM G85 annex A5 | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| | USA | RTCA/DO-160 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| | USA | ASTM D1735 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| British Test Standards | Military | DEF STAN 00-35 Pt3 CN2 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Military | DEF STAN 1053 method 36 | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Military | DEF STAN 133 method 14 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | UK | BS 3900 Part F12 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | UK | BS 5466 Part 1 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | UK | BS 5466 Part 2 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | UK | BS 5466 Part 3 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | UK | BS 7479 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | UK | BS2011 Part2.1 Ka | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| UK | BS2011 Part2.1 Kb | | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| European Test Standards | European | LV124 | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | European | NFX 41-002 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | German | DIN 50 014 | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |

| Test Standard Type | Origin | Test Standard Method | Ascott Chambers (See full descriptions on pages 2-3) | | | | | | | Optional Accessories (See full descriptions on pages 10-11) | | | | | | | | | |
|-------------------------|----------------|--------------------------------|--|-------|-----|--------------|----------|-----------------------|------------------|---|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| | | | S..iS | S..iP | CCT | AtmosfärLite | Atmosfär | Atmosfär Premium Lite | Atmosfär Premium | ACC01 | ACC25 | ACC29 | ACC32 | ACC34 | ACC112 | ACC47 | ACC30 | ACC90 | ACC42 |
| European Test Standards | German | DIN 50 017-KFW | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | German | DIN 50 017-KK | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | German | DIN 50 017-KTW | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | German | DIN 50 021-CASS | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | German | DIN 50 021-ESS | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | German | DIN 50 021-SS | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | German | VDA 621-421 (Changing Climate) | | | ● | ● | ● | ● | ● | | | | | | | | | | |
| | German | VDA 621-421 (Constant Climate) | | | ● | ● | ● | ● | ● | | | ▲ | | | ▲ | | | | |
| | German | VG 95 210 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | EN 13523-8 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | EN 60068-2-11 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | EN 60512-11-6 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | EN ISO 4541 | | | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | EN ISO 7253 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | IEC 60068-2-11 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | IEC 60068-2-52 Methods 1-2 | | | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | IEC 60068-2-52 Methods 1-6 | | | ● | ● | ● | ● | ● | | | | | | | | | ■ | |
| | ISO / IEC / EN | IEC 60068-2-52 Methods 7-8 | | | ● | ● | ● | ● | ● | | | | | | | ● | | | ● |
| | ISO / IEC / EN | ISO 16701 | | | | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | ISO 3768 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | ISO 3769 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | ISO 3770 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | ISO 6270-2 (AHT) | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | ISO 6270-2 (AT) | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | ISO 6270-2 (CH) | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | ISO 7253 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |

| | | | |
|------------|---|--|---|
| KEY | ● Fully Complies with Test Standard without optional accessories. | ● Fully complies with test standard with accessories fitted. | ● Fully complies with test standard with 450L Capacity chamber and above. |
| | ● Fully complies with test standard with accessories fitted. | ▲ Requires either ACC112 or ACC29 on CCT only. | ■ Ambient temperature must be below 23°C. If not include ACC112 & ACC112/INT. |

| Test Standard Type | Origin | Test Standard Method | Ascott Chambers (See full descriptions on pages 2-3) | | | | | | | Optional Accessories (See full descriptions on pages 10-11) | | | | | | | | | |
|-------------------------|----------------|----------------------|--|-------|-----|--------------|----------|-----------------------|------------------|---|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| | | | S..iS | S..iP | CCT | AtmosfärLite | Atmosfär | Atmosfär Premium Lite | Atmosfär Premium | ACC01 | ACC25 | ACC29 | ACC32 | ACC34 | ACC112 | ACC47 | ACC30 | ACC90 | ACC42 |
| European Test Standards | ISO / IEC / EN | ISO 9227 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | ISO / IEC / EN | ISO11997-Cycle A | | | ● | ● | ● | ● | ● | | | | | | ● | | | | ● |
| | ISO / IEC / EN | ISO11997-Cycle B | | | ● | ● | ● | ● | ● | | | | | | | | | ● | |
| | ISO / IEC / EN | ISO11997-Cycle D | | | ● | ● | ● | ● | ● | | | ▲ | | ▲ | ● | | | | |
| | ISO / IEC / EN | ISO14993 | | | ● | ● | ● | ● | ● | | | | | | ● | | | | ● |
| Other Test Standards | Australian | AS 2331 meth.3.1 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Australian | AS 2331 meth.3.2 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Australian | AS 2331 meth.3.3 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| Japanese Test Standards | Japanese | JIS H 8502 M1 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Japanese | JIS H 8502 M2 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Japanese | JIS H 8502 M3 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | Japanese | JIS Z 2371 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |

Partners in environmental testing for automotive manufacturers around the world



Accessory Descriptions

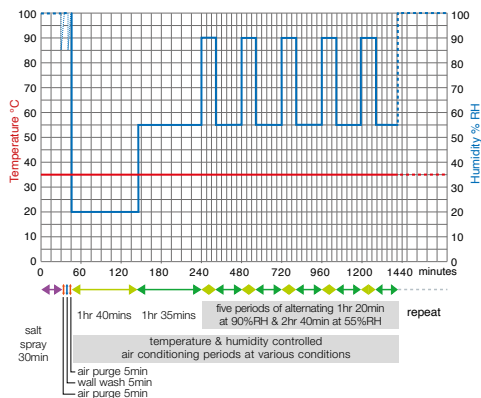
ACC01 – Kit for Renault ECC-1 / D17-2028 Compliance

A comprehensive kit of all necessary accessories to equip an Ascott chamber for compliance with Renault D17-2028 & RNES-G-0005 which is more commonly known as ECC-1.

The kit includes ACC42 Wall Wash system, ACC47 Rapid Transition Heater Blower system, ACC82 Insulated Window Cover, ACC102 Salt Solution Consumption Indicator, ACC108 Fallout Measuring Kit and ACC25 an increased Salt Fog Fallout system to achieve the required fallout of 5ml/80cm²/hour.

The Ascott ECC1 Kit has been approved by Renault as compliant.

Note: Kit supplied as standard on all Atmosfär Premium models.



ACC25 – Additional Atomisers for Increased Fallout Rates



Additional salt spray atomiser(s) and associated pump(s) fitted to the chamber, to generate higher fall-out rates of 2.0 to 5.5ml/80cm²/hour, which is required during the salt spray phase of test standards VDA 233-102, Renault D17 2028 (ECC1), SAE J 2334 Method C and RNES-G-0005.

Note: Option ACC25 is not required if option ACC01 is ordered with a chamber, and is it fitted as standard on all Atmosfär Premium models.

ACC29 – Refrigeration & Humidity Control Unit



A separate free standing air temperature and humidity conditioning unit (ATCU), capable of refrigerating a CCT or an Atmosfär chamber down to -20°C or -40°C (-4°F or -40°F).

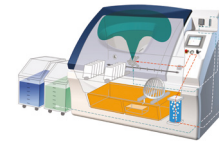
The ATCU is connected to the chamber by corrosion resistant insulated rigid and inlet & outlet connections (separate optional accessory ACC29/INT).

Ascott manufacture different variations of ATCU to suit many customer applications, please speak with your Ascott sales representative for the correct solution for your requirements.

- Available with air cooled or water cooled connections
- Available with or without psychrometric humidity control (Psychrometric is recommended for extended humidity periods 90%RH and above)
- Available with temperature range down to -20°C or -40°C (-4°F or -40°F).
- Available with CO₂ or R449A Technology.

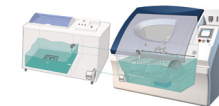
Note: All versions of ACC29 require the chamber to be pre-equipped with option: ACC29/INT/****.

ACC32 – Water Fog Humidity Generation



This option provides a second solution line, independent pumping and delivery system and additional reservoir. It is most commonly used with water to create high humidity conditions (95 -100% RH) by spraying water as a fog, this is a requirement of some standards such as SAE J 2334, GMW 14872 & GMW9540P.

ACC34 – Liquid Immersion



Under programmed control, heated immersion liquid (usually salt water heated to a user adjustable temperature up to +50°C/+122°F) is automatically pumped from the holding tank into the chamber, immersing the test samples. The liquid is automatically returned to the holding tank at the end of the immersion period.

This option can be fitted to any Ascott CCT or Atmosfär chamber and can be programmed to immerse the samples at any point during the test. Immersion is a requirement of standards Hyundai CCT-C, CCT-D, Honda 5100Z & ASTM G44.

Note: All versions of ACC34 require the chamber to be pre-equipped with option: ACC32/INT/****.

ACC112 – Midi Dehumidification Unit



This option provides a free standing, air circulating, chiller / dehumidifier unit. It takes air from within the main chamber, chills and dehumidifies this air, and returns it to the chamber by corrosion resistant insulated rigid and inlet & outlet connections (separate optional accessory ACC112/INT).

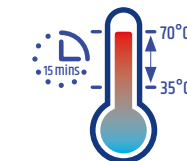
This therefore reduces the minimum operating temperature and humidity range that can be achieved inside the chamber to 20°C, which would otherwise be the same as the temperature and humidity of the room in which the chamber is located. Available with CO₂ or R449A Technology.

Note: All versions of ACC112 require the chamber to be pre-equipped with option ACC112/INT/****.

ACC47 – Blower Heater Add On Accessory

Ascott offers two versions of the ACC47 Blower Heater add on Accessory:

- ACC47/1-7 - enables a rapid transition from salt spray at +35°C (95°F) to drying at +70°C (158°F) within 30 minutes.
- ACC47/8-11 - enables an Ultra-rapid transition from salt spray at +35°C to drying at +70°C within 15mins, and to also achieve a maximum operating temperature of +80°C (176°F).



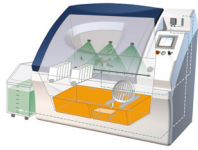
The blower heater assists in increasing and decreasing the chamber temperature and also decreasing humidity process values, which is a requirement of test standards such as JASO M609

, CCT-1, and IEC 60068-2-52. This is achieved by introducing ambient air from the local area in which the equipment is located by means of a forced air blower and ball valve.

Note: ACC47 is already fitted as standard with ACC01 & ACC80 accessories, and fitted to all Atmosfär Premium Chamber as standard.

Cyclic Corrosion Test Profiles

ACC30 – Salt Spray (Vertically Down)



This option comprises of multiple spray nozzles situated at high level inside a cyclic chamber through which salt water is sprayed directly onto the samples

on test beneath. The spray time is adjustable and can be programmed to occur automatically at pre-determined point(s) during the test. The salt water to be sprayed is held within a separate 160 Litre (42 Gal) capacity holding tank, at ambient temperature (a heated holding tank can be quoted on request). This test is a requirement of some automotive CCT standards, such as; GM9540P & SAEJ2334.

Note: This option is performed by the oscillating spray bar which is fitted to all Atmosfär Chambers as standard.

ACC42 – Wall Wash Facility



This option comprises of a water spray system to automatically wash the walls with water for a user adjustable number of minutes, at programmable

points within a corrosion test cycle. This is required for some automotive standards such as Renault D17 2028 or RNES-G-005 or ECC-1. It is also used when rapid cooling is required for JASO M 609, CCT-1, IEC 60068-2-52 and many other test standards.

Note: This accessory is fitted as standard with ACC01 ECC1 Kit and all Atmosfär Premium Chambers.

ACC90 – Dehumidifier



This option provides a free standing, mains powered, ambient air dehumidifier unit for use with option ACC80. It takes air from the room in which it is located,

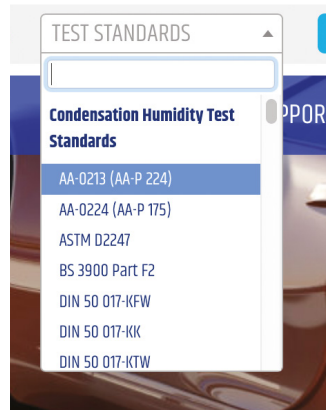
dehumidifies this air, and delivers it to the CCT chamber air inlet, via a flexible hose.

This therefore reduces the minimum operating humidity range that can be achieved inside the chamber, which would otherwise be the same as the room in which the chamber is located.

Note: ACC90 requires the chamber to be pre-equipped with ACC80 interface (available separately).

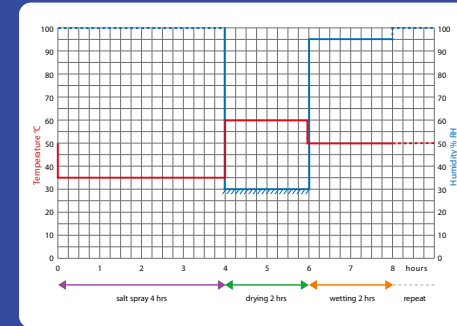
Find the exact chamber for your requirements

Select a standard to test to, and find the perfect Ascott chamber.

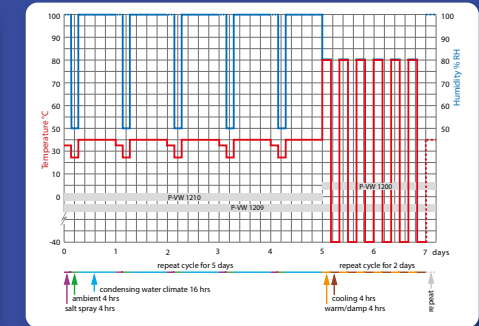


www.ascott-analytical.com/chamber-selector/

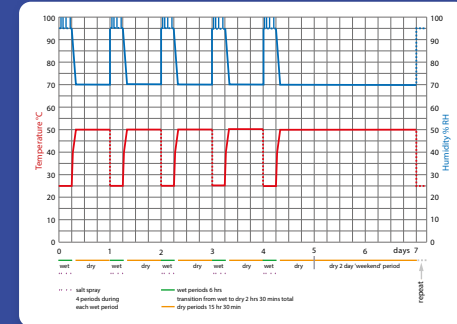
CCT-1 / JASO M 609 / JASO M 610



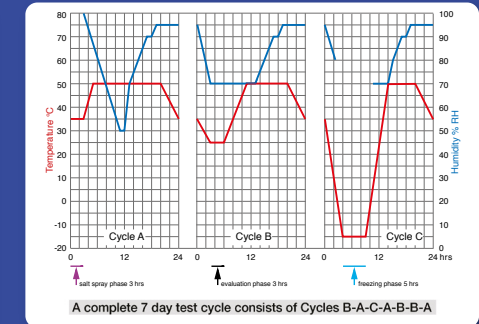
P-VW 1200, 1209 & 1210 (vw/Audi)



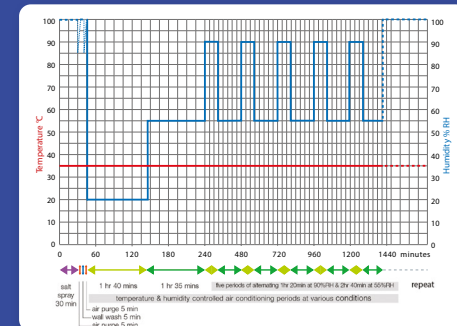
ECTP 00.00-L-467 (Ford/Volvo ACT-2, VCS1027,1449, TPJLR-52-265)



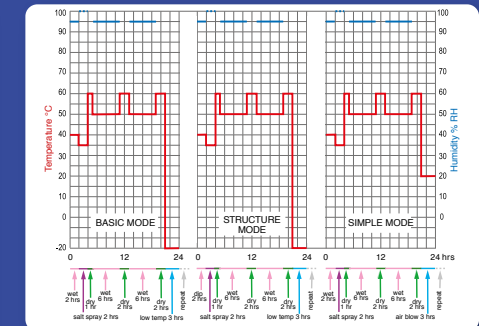
VDA 233-102 / DIN 55635



D17 2028 (Renault ECC1)



5100Z-SGO-A000 (Honda)





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