

鹽水噴霧試驗機，及針對各種材質表面處理，包含塗料、電鍍、有機及無機皮膜、陽極處理、防鏽油、化成處理之耐蝕品質，進而達成制品長時間之耐蝕性。

- A. P.V.C 板制，內襯採行先進的環帶立體補強技術，結構強實，永不變形。
- B. 試驗室以五面加溫方式加溫，可確實掌握試驗室內之溫性 ( $\pm 1^{\circ}\text{C}$ )。
- C. 噴嘴：採用伯努特定理吸取鹽水而霧化，將使霧氣擴散速度加倍，並自然落于試片上，其落霧量差可控制在  $\pm 0.3\text{ml} / 80\text{cm}^2\text{H}$ 。
- D. 飽和空氣採用亨利定律。予以加熱加濕，並提供試驗室所需之濕度。
- E. 溫度為直接影響腐蝕速率之先決條件，本公司採用 P.I.D 方式之溫度控制器，控制誤差  $\pm 0.5^{\circ}\text{C}$  以內。
- F. 唯一採用試液過低之預警設備，當試液只夠再進行 5 小時之噴霧，蜂鳴器將通知使用者進行補充，以確保連續噴霧之試驗價值。
- G. 唯一使用全偵測系統，故障發生時，可亮燈顯示。

## 標準型鹽水噴霧試驗機 STANDARD SALT SPRAY TESTER MODEL: HL-90-BS



Salt water spray test device: This device is used to test the surface treatment of various materials. The so-called treatments include coating, electroplating, films of organic and non-organic materials, anodizing, anti-rust oil and corrosion resistant treatment, which may achieve the purpose of keeping the items from being corroded for a longer period.

### Features:

- A. The whole part of the device is made of P.V.C. Sheet and the inside of the device is reinforced by using a special lining material. Hence, it is sturdily made and will not transform forever.
- B. The test chamber is heated from five directions in order to ensure the temperature difference in the chamber may be kept within ( $\pm 1^{\circ}\text{C}$ ).
- C. Spray nozzle: The nozzle is specially made to enable it to suck up the salt water and then spray it out in the shape of mist with considerable high speed. When it falls on the surface of the item being tested, the difference of fallen mist may be controlled within  $\pm 0.3\text{ml} / 80\text{cm}^2\text{h}$ .
- D. HUNTER PRINCIPLE is used to make the saturated air hot and moist and to keep the humidity in the test chamber required for test.
- E. Temperature is the pre-requisite condition that will have direct impact on corrosion rate. We use P.I.D. temperature control unit to limit the temperature difference within the range of  $\pm 0.5^{\circ}\text{C}$ .
- F. A warning device is used to indicate the low level of the test fluid, when the fluid is only enough for being sprayed for five hours, a buzzer will remind the user to replenish the liquid to ensure continuous spray test.
- G. Use full automatic detecting system, test stopped automatic, and lighting display when trouble.

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經濟型鹽水噴霧試驗機  
SALT SPRAY TESTER  
MODEL: HL-60-SS



特大型鹽水噴霧試驗機  
SALT SPRAY TESTER  
MODEL: HL-120-BS



Specification

ITEM		MODEL	HL-90-BS	HL-90-BC	HL-60-SS	HL-120-BS
TEST APPLICABLE			NSS, ACSS, CASS	CORK	NSS, ACSS, CASS	NSS, ACSS, CASS
TEST TEMPERATURE			35±1℃ or 50±1℃	38±1℃ 80%~99%RH	35±1℃ or 50±1℃	35±1℃ or 50±1℃
INSIDE DIMENSION			900×600×500(W×D×H)m/m		600×450×400 (W×D×H)m/m	1600×1000×500 (W×D×H)m/m
OUTSIDE DIMENSION			1390×750×1330(W×D×H)m/m		1070×570×1190 (W×D×H)m/m	2300×1200×1500 (W×D×H)m/m
VOLUME			270 LITER		108 LITER	800 LITER
WEIGHT			150 KG		60 KG	360 KG
TEST SPECIMEN (150×70mm)	15°		48 PCS		24 PCS	136 PCS
	30°		30 PCS		15 PCS	136 PCS
SOLUTION TANK	CAPACITY		30 LITER		15 LITER	60 LITER
	TETING TIME		180 HR		90 HR	180 HR
POWER CONSUMPTION			220V SINGLE PHASE 3.1KW		220V SINGLE PHASE 2.6KW	220V SINGLE PHASE 6KW

Related Standards

CNS	中國國家標準	C-6014, H-2040, H-2041, Z-8026
JIS	日本工業規格	D-0201, D-0205, H-8681, K-5400, Z-2371
ASTM	美國材料試驗協會	B-117, B-287, B-368, D-380
BS	英國標準協會	1224, 3900
DIN	德國標準協會	40046, 50021, 53167, 58390, 70040
FED.STD		151A/811, 141A/6061
IEC	國際電工委員會	68-2-11
ISO	國際標準組織	1456, 3768, 3770
MIL.STD.	美國國防部	202E-101D, 810C-509, 750B-1014, 1046, 883-1009
NF		×41-002(F)

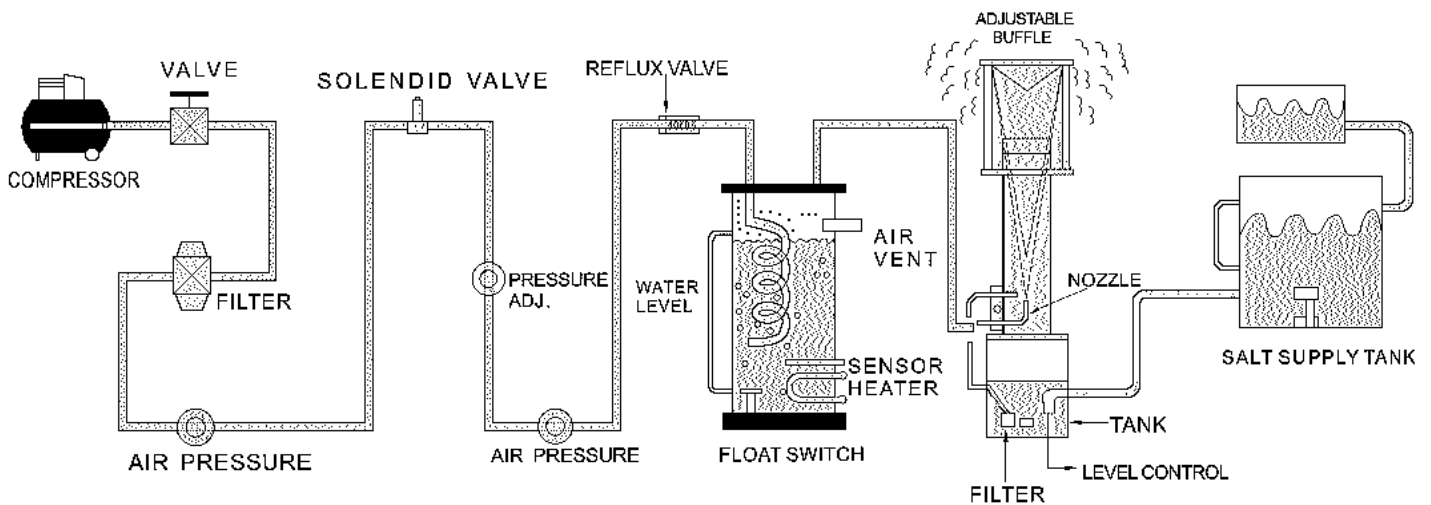
### 常用國家標準對照

CNS	中國國家標準	MIL.STD	美國國防部
JIS	日本工業規格	NACE	腐蝕工程師協會
ASTM	美國材料試驗協會	AATCC	美國紡織協會
ISO	國際標準組織	SAE	美自動車工程師協會
DIN	德國標準協會	IEC	國際電工委員會
BS	英國標準協會	UL	美國保險業實驗室

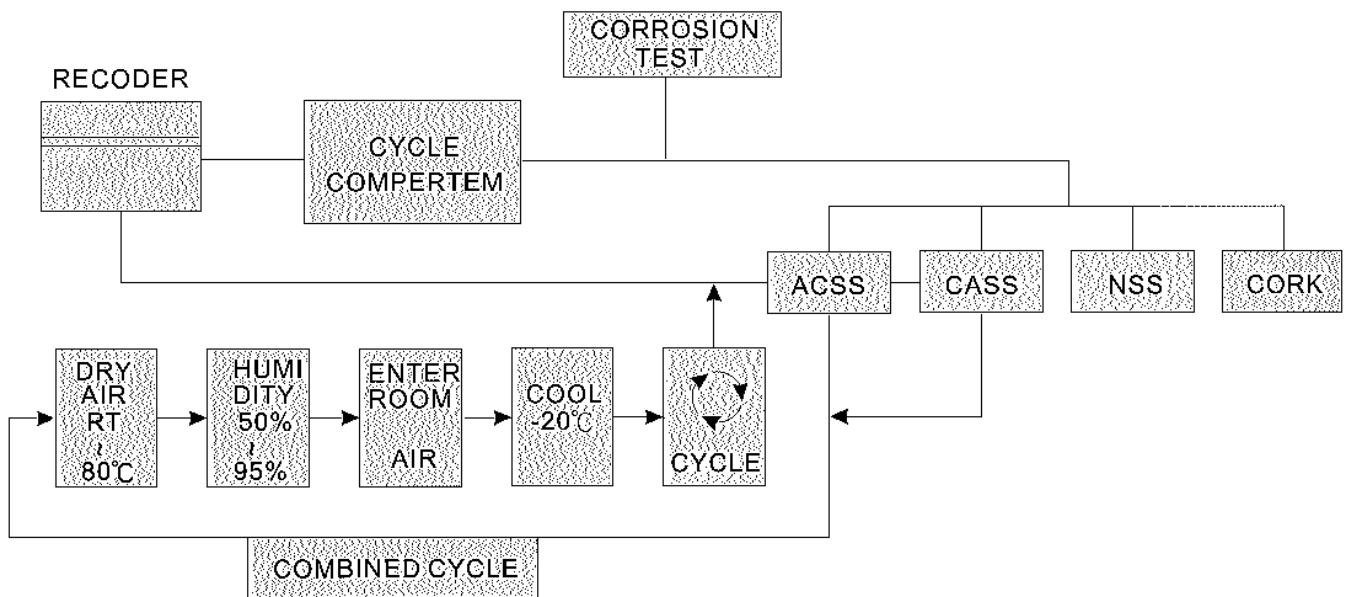
### 腐蝕試驗之常用名稱

NSS Neutral Salt Spray Test	(中性鹽水噴霧試驗)
ACSS Acetic Acid Salt Spray Test	(鹽水噴霧試驗)
CASS Copper Accelerated Acetic Acid Salt Spray Test	(醋酸銅鹽水噴霧試驗)
CORK Corrodokote Test	(泥漿腐蝕試驗)

### SALT SPRAY TESTER SYSTEM DIAGRAM



### COMBINED CYCLE TESTER SYSTEM DIAGRAM



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