

# **LPCB Red Book**



## **1 Part: 2 Manual fire extinguishing equipment**

**bre**

## Introduction

BRE Global Ltd, based in the UK near London, is an independent third party organisation offering certification of fire, security and sustainability products and services to an international market. LPCB is the certification brand used for fire and security products and services. The LPCB mark is accepted worldwide. We have representative offices in China, India and Dubai. We are owned by the BRE Trust, a not-for-profit organisation.

LPCB listings can be accessed, free of charge, at [www.redbooklive.com](http://www.redbooklive.com). BRE Global additionally carries out:

- Fire Investigation
- Fire Risk Assessment
- Fire Safety Engineering
- Research
- Training

## LPCB Listings

Listings are given in sections which list related groups of products and services such as suppression, security and so on. Each section also summarises the technical basis for the certification of each product or service. The Red Book listings should always be used in conjunction with rules, regulations and design specifications required by the relevant Authority having jurisdiction.

Listings comprise:

Volume 1:

- Fire detection and alarm products, systems, and cables
- Manual fire extinguishing equipment
- Automatic sprinkler, water spray and deluge systems
- Fixed fire fighting products and systems
- Watermist systems
- Related installers

Volume 2:

- Passive fire protection products
- Security protection products
- Fire doors and shutters
- Smoke and fire ventilation systems
- Security Assessments
- SABRE
- Related installers
- Management Systems
- Construction products

Listings are given in the name of the manufacturer or service provider, in alphabetical order. They can be downloaded free of charge from our website at [www.redbooklive.com](http://www.redbooklive.com)

## Updates

Certification of products and services are updated regularly. To ensure that you are using the most up to date information please refer to [www.redbooklive.com](http://www.redbooklive.com).

## What is Third Party Certification?

A frequent concern of stakeholders is in knowing whether a product will perform in accordance with the

## FOR SPECIFIERS AND REGULATORS:

stated specifications. These concerns can involve such product attributes as safety, health or environmental impacts, durability, compatibility, suitability for intended purposes or for stated conditions, and other similar considerations. These issues can all be addressed through product certification.

Third party certification is a conformity assessment process, carried out by a body that is independent of both supplier and customer organisations. It provides confirmation that products and services have met and will continue to meet the requirements of specified standards and other normative documents.

LPCB third party product certification schemes are quality assurance schemes and comprise initial type testing and technical evaluation, assessment and surveillance of the manufacturer's quality system and factory production procedures, regular audit testing, labelling and listing.

Similarly, LPCB schemes for suppliers of services (installers) are also quality assurance schemes comprising a technical assessment of an installer's capability, assessment and surveillance of the installer's quality system and production procedures, regular inspection of completed installations and listing.

## Benefits of Third Party Certification

For specifiers, regulators, insurers, manufacturers and installers, the benefits of an LPCB approval are:

### For specifiers and regulators:

- Risk reduction - specifying LPCB approved products and services demonstrates due-diligence and best endeavour and mitigates against possible accusations of negligence.
- Avoidance of costly mistakes - you can trust LPCB approved products and services to conform each and every time.
- Time - using Red Book Live to search for and assess products and services can save you time.

### For manufacturers and installers:

- Increased global sales - LPCB approval is recognised and specified widely throughout the world. In some territories LPCB approval is a mandatory requirement.
- Added value of the product or service - LPCB approved products and services are recognised as providing added value given their ability to conform each and every time.
- Reduced liability - LPCB approved products and services demonstrate due-diligence which can reduce liability for both you and your customers.

## What does LPCB Certification offer?

LPCB certification is carried out against Loss Prevention Standards (LPS's). These LPS's include reference to BS, EN or ISO standards as appropriate. LPCB certification are level 5 schemes as detailed in ISO/ IEC 17067 with the added requirement to have a quality system certificated to ISO 9001.

The technical requirements of LPCB schemes are given in the Loss Prevention Standards (LPSs). These documents are drafted by LPCB technical experts in conjunction with appropriate external experts. They are then peer reviewed by representatives from trade bodies, regulators, insurers, specifiers, manufacturers and other suppliers. Finally these documents are approved for use by the BRE Global Governing Body; the Body that oversees all of the certification activities of BRE Global.

### Product schemes comprise:

- Initial type testing and evaluation of product.
- Approval and surveillance of the manufacturer's (or supplier's) quality management system to ISO 9001
- Assessment and surveillance of the manufacturer's (or supplier) factory production control system (FPC).
- Periodic audit testing of the product from either the factory or marketplace.
- Labelling or marking as appropriate.

## INSTALLER SCHEMES COMPRISE:

- Listing on Red Book Live

### **Installer schemes comprise:**

- Technical assessment of the installation contractor's capability.
- Approval and surveillance of the contractor's quality management system to ISO 9001 or assessment against the requirements of the relevant Loss Prevention Standard where ISO 9001 is not appropriate.
- Regular surveillance inspections of on-going installations.
- The issue of Certificates of Conformity by the installer to demonstrate compliance for each installation.
- Listing in the Red Book.

## **The LPCB Mark - the Mark you can trust**

After certification of a product or service the manufacturer or service provider may place the LPCB certification mark, as shown below, on the product, packaging and literature etc.

Where LPCB holds accreditation through the United Kingdom Accreditation Service (UKAS), the certified company may include the UKAS symbol (the Crown and Tick) alongside the LPCB mark for certain applications e.g. promotional literature or material and stationery, as shown below.

(Full details of LPCB accreditation can be found on the UKAS website at [www.ukas.com](http://www.ukas.com))

Where for reasons of space or cost the use of the above full mark is not practical, then the following simplified mark may be applied directly to the product (for some schemes only). The LPCB scheme rules define how and where the marks can be used.

# *Part 2*

*Manual fire extinguishing  
equipment*

# MANUAL FIRE EXTINGUISHING EQUIPMENT

introduction text from db for Manual fire extinguishing equipment *Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*

## Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) - Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) - Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

· Access covers	· Garage doorsets	· Security screens
· Cladding systems	· Hinged doorsets	· Sheds and tool stores
· Containers	· Grilles	· Skylights
· Curtain walling systems	· Modular buildings	· Sliding doorsets
· Enclosures	· Partitioning systems	· Strongpoints
· Entrance portals	· Revolving doorsets	· Vehicles
· Fences and gates	· Roofing systems	· Walling systems
· Folding doorsets	· Security cabinets	· Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

Further information on the security rating system and attack tools can be found in the standard itself, which can be downloaded for free from [www.redbooklive.com](http://www.redbooklive.com).

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## BOXES FOR DRY RISER INLETS

*Wet Riser*

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## DRY LANDING VALVES

*Wet Riser*

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## FIRE BLANKETS

*Wet Riser*

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*Wet Riser*

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## FIRE HOSE REELS

*Wet Riser*

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*Wet Riser*

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## GATE VALVES

*Wet Riser*

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## HAND-HELD BRANCHPIPES

*Wet Riser*

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## INLET BREECHINGS

*Wet Riser*

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## LANDING VALVES

*Wet Riser*

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*Wet Riser*

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## MOBILE FIRE EXTINGUISHERS

*Wet Riser*

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## PILLAR FIRE HYDRANTS

*Wet Riser*

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# PORTABLE FIRE EXTINGUISHERS

Wet Riser

## Company 1

Line 1, London, United Kingdom

E-mail: test@comp.com

Certificate No: cert\_prod\_list to LPS 1175

### Test list

Product Name	Description	LPCB Ref. No
Product1	Austrians time to unite their own forces and drive Jourdan's forces away and eventually across the <a href="#">Rhine</a> .	112/01

## SEMI RIGID HOSES

*Wet Riser*

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*Wet Riser*

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# WET LANDING VALVES

Wet Riser

## Bipul's Test 1

Bipul Test Company address 1, Bhairahawa, Nepal

Certificate No: test to LPS 1175

### test

Product Name	LPCB Ref. No.
test	test

test

- p'op'p
- pl'p'

## Bond Company

101 Wallstreet, Birmingham, West Midlands, B1 1AY, United Kingdom

Tel: 12345678 • Alt Tel: 23456789

E-mail: bondcompany@test.com • Website: Bondcompany.com

Certificate No: CERT 0410 to LPS 1209

### Test list prod group

Product Name	Description	LPCB Ref. No
list active prod 3	test	test
	test notes	

## Comp\_sus

Line2, Ittert, Albania

E-mail: Test@o.com

Certificate No: CERT 100203 to LPS 1175

### test prod grp 100203

Product Name	another	3	4	5	10	11	
test100301loremipsumtestte stingtesting	loremipsumtestte stingtesting	loremipsumtestte stingtesting	3loremipsumtestte stingtesting	4loremipsumtestte stingtesting	5loremipsumtestte stingtesting	6loremipsumtestte stingtesting	7loremip: sting
testloremipsumtestte stingtesting	loremipsumtestte stingtesting	loremipsumtestte stingtesting	loremipsumtestte stingtesting	loremipsumtestte stingtesting	loremipsumtestte stingtesting	loremipsumtestte stingtesting	loremip: sting
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## Company 1

Line 1, London, United Kingdom

E-mail: test@comp.com

Certificate No: CERT 013001 to LPS 1175

### test prod grp 013001

Product Name	test col	test col1	LPCB Ref. No.
Prod name 0	test	test 2	LPCB 013001
Prod name 013002	test 2	test 3	LPCB 013002



# WET LANDING VALVES

## Technocover Limited (incorporating TechnoRail and Strataform)

Henfaes Lane, Welshpool, Powys, SY21 7BE, United Kingdom

Tel: +44 (0)1938 555511

E-mail: techadvice@technocover.co.uk • Website: www.technocover.co.uk

Certificate No: CERT 0619004 to LPS 1056: Issue 6

### Prod group 619004

Product Name	test	test2	LPCB Ref. No.
Prod name 061901	With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics	tes	LPCB 061901

Test prod group notesWith much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder

### test

test, test, United Kingdom

Certificate No: test to LPS 1175

### test` ````

Product Name	LPCB Ref. No.
test	test
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lololol

### test

test, test, United Kingdom

Certificate No: test to LPS 1175, hey, 123, asd

test

## Test Company 2

test, test, United Kingdom

Certificate No: CERT 111501 to LPS 1175

### test

Product Name	Description	LPCB Ref. No
test	test	LPCB 111501

## Test-Company 100401

test, test, GWE345, United Kingdom

E-mail: test@test.com • Website: company 100401.com

Certificate No: CERT 01032401 to LPS 1175

### Prod Grp 01032401

Product Name	Description	LPCB Ref. No
Test Prod Name 01032401	testtest	LPCB 010324

# WET LANDING VALVES

testtest

test2

test 3

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Vivamus a rutrum augue, sit amet accumsan arcu. Nunc odio erat, gravida non eros id, commodo bibendum quam. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam tristique tortor a lorem dapibus, id sagittis tortor ornare. Phasellus finibus leo et mauris pulvinar, sit amet scelerisque ex eleifend. Sed finibus condimentum dictum. Aenean lobortis mauris eget augue tincidunt pretium. Nulla interdum neque ut nunc lacinia, id bibendum dui pulvinar.

Nullam non tempor dui. Phasellus sit amet volutpat massa. In non scelerisque

**Certificate No: CERT 102601 to LPS 1175**

## ***prod grp 102601***

Product Name	Table layout needs to have word wrap for headings	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque ac nunc malesuada	Lorem ipsum dolor sit amet, consectetur adipiscing elit	LPCB Ref. No.
Prod name 102701	When using table-layout for a listing, the table heading should have a word wrap, to make the table easier to see across a page.	Lorem ipsum dolor sit amet, consectetur adipiscing elit.	test	LPCB ref 102701
Prod name 102801	Lorem ipsum dolor sit amet, consectetur adipiscing elit	Lorem ipsum dolor sit amet, consectetur adipiscing elit	test	LPCB ref 102801

**Certificate No: CERT 110101 to LPS 1175**

## ***Test prod grp 110101***

Product Name	Description	LPCB Ref. No
test	test	LPCB red 110101

test

**Certificate No: CERT100401 to LPS 1175**

## ***Prod group test 100401***

Product Name	Description	LPCB Ref. No
ppdname	-	LPCB 100401

## **Test-Company 100401**

test, test, GWE345, United Kingdom

E-mail: test@test.com • Website: company 100401.com

**Certificate No: CERT 110105 to LPS 1175**

test

## **Test-Company 110201**

test line one, London, United Kingdom

Tel: 18646376

E-mail: test@gmail.com

**Certificate No: CERT 110201 to LPS 1175**

## ***Test prod grp 110201***

Product Name	Description	LPCB Ref. No
Prod name 110201	test	LPCB 110201
Prod name 110202	test	LPCB 110202

# WET LANDING VALVES

Prod name 110203

test

LPCB 110203

Certificate No: CERT 110204 to LPS 1209

## Prod grp 110204

Product Name	LPCB Ref. No.
Prod name 110204	LPCB 110204

Certificate No: CERT 112101 to LPS 1175

## test prod grp test

Product Name	Description	LPCB Ref. No
Prod name 112101	test	LPCB 112101

## Test-Company 110301

Test line one, Line two, line three, Test City, Test County, GWE3515, United Kingdom

Tel: 4728656729 • Alt Tel: 4728656730

E-mail: testcompany@company.com

Certificate No: CERT 110301 to LPS 1175

## Test prod grp 110301

Product Name	Description	LPCB Ref. No
Prod name 110301	test desc	LPCB 110301

Certificate No: CERT 110601 to LPS 1175

## Test Prod Grp 110601

Product Name	Description	LPCB Ref. No
Prod name 11036	test	LPCB 110306
Prod name 110307	test	LPCB 110307

testing product group notes

Certificate No: CERT 110801 to LPS 1175, LPS 1209

## prod grp 110801

Product Name	Description	LPCB Ref. No
Prod name 110801	<p>Description: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc varius tincidunt nibh. Aliquam erat volutpat. Vestibulum ac semper justo, eu auctor nunc. Aenean commodo lorem arcu, eget dignissim sem tincidunt id. Phasellus sollicitudin mollis vehicula. Proin aliquam consectetur pretium. In hac habitasse platea dictumst. Vestibulum ullamcorper libero id neque faucibus condimentum. Nunc pretium ultrices sollicitudin. Nunc vitae nibh ipsum. Nullam est quam, ornare ac varius eget, posuere nec libero. Pellentesque accumsan dignissim nulla ut feugiat. Duis non tincidunt dolor. Vestibulum tempus congue felis, vitae dictum neque bibendum at. Ut imperdiet nisl suscipit felis ornare semper sit amet sed risus. Morbi eu congue tortor.</p> <p>Notes 2:</p> <ul style="list-style-type: none"><li>• Lorem ipsum dolor sit amet, consectetur adipiscing elit.</li><li>• Nunc varius tincidunt nibh. Aliquam erat volutpat.</li><li>• Vestibulum ac semper justo, eu auctor nunc.</li><li>• Aenean commodo lorem arcu, eget dignissim sem tincidunt id.</li><li>• Phasellus sollicitudin mollis vehicula.</li></ul>	LPCB 110801
Prod name 110802	test	LPCB 110802
Prod name 110804	testLorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc varius tincidunt nibh. Aliquam erat volutpat. Vestibulum ac semper justo, eu auctor nunc. Aenean commodo lorem arcu, eget dignissim sem tincidunt id. Phasellus sollicitudin mollis vehicula. Proin aliquam	LPCB 110804

# WET LANDING VALVES

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Notes:

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- Vestibulum ac semper justo, eu auctor nunc.
- Aenean commodo lorem arcu, eget dignissim sem tincidunt id.
- Phasellus sollicitudin mollis vehicula.

Certificate No: CERT 111502 to LPS 1175, LPS 1209

## Prod Grp 111502

Product Name	Test Column 6	Test column 7	Test Column 8	Test Column 9	Test Column 10	Test Column 11	Test Column 12	Test Column 13	Test Column 14	LPCB Ref. No.
Prod Name 111501	test1	test	test	test	test	test	test	test	test	LCPB 111501

Certificate No: cert 112102 to LPS 1175

## test 112102

Product Name	Description	LPCB Ref. No
test	test	test

Certificate No: CERT 112103 to LPS 1175

## Prod grp 112103

Product Name	test col 2	LPCB Ref. No.
Test prod name 112103	test	LPCB 112103
Test prod name 112104	test	LPCB 112104

Certificate No: CERT 112105 to LPS 1175, BS5950

## Prod grp 112105

Product Name	Test col	Test col 2	test col 3	LPCB Ref. No.
Prod name 112106-test	test coltest	test 2	test 3	LPCB 112106
Prod name 112107	test	test	test	LPCB 11217

test

Certificate No: CERT 112301 to LPS 1175

Certificate No: CERT 112301-2 to LPS 1175

Certificate No: CERT 112301-3 to LPS 1175

## 112301 Test Prod Grp

Product Name	Loremtestingtestingtestingtestingtestingtesting	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc dui ligula, tristique vitae justo sit amet	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc dui ligula, tristique vitae justo sit amet	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc dui ligula, tristique vitae justo sit amet	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc dui ligula, tristique vitae justo sit amet	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc dui ligula, tristique vitae justo sit amet
ProdName112301testingtestingtestingtestingtestingtesting	test	test2	test 3	test 4	test 5	Lorem ipsum dolor sit amet, consectetur
Prod name 112302	test	test2	test3	test4	test5	Lorem ipsum dolor sit amet, consectetur
Prod name 112304	Lorem ipsum dolor sit amet, consectetur	Lorem ipsum dolor sit amet, consectetur	Lorem ipsum dolor sit amet, consectetur	Lorem ipsum dolor sit amet, consectetur	Lorem ipsum dolor sit amet, consectetur	Lorem ipsum dolor sit amet, consectetur

# WET LANDING VALVES

Certificate No: CERT 112308 to test non-LPS1

## 112308 prod grp

Product Name	Comment	LPCB Ref. No.
Prod name 112404	-	LPCB 112404
Prod name 112405	-	LPCB 112405
Prod name 112406	-	LPCB 112406
test91032	-	test91032

Certificate No: test to LPS 1175, test

## test

Product Name	Description	LPCB Ref. No
test	test	test

## Test-Company 110301

Test line one, Line two, line three, Test City, Test County, GWE3515, United Kingdom

Tel: 4728656729 • Alt Tel: 4728656730

E-mail: testcompany@company.com

Certificate No: 9999 to LPS 1209

Certificate No: CERT 112201 to LPS 1209

Certificate No: tst123 to LPS 1209

test

## Test-Company-100301

Test line one, Test line two, London, United Kingdom

E-mail: testcompany@test.com

Certificate No: 450F to LPS 1175

## test

Product Name	LPCB Ref. No.
Prod name 022701	450f/01
Prod name 022901	450f/02
Prod name 022902	450f/03
Prod name 022903	450f/04

- test
- test 2
- test 3

Certificate No: CERT 102301 to LPS 1175

## prod grp 102301

Product Name	Description	LPCB Ref. No
prod name 102301	desc	LPCB 102301

102301 grp noteds

## Test-Company-100301

Test line one, Test line two, London, United Kingdom

E-mail: testcompany@test.com

Certificate No: CERT 022703 to LPS 1175

25 Apr 2025

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## WET LANDING VALVES

test scope 2

- test1
  - test 2
  - test 3
-

