

IDEST Approved Cylinder Test Centres

1C KENT DIVING & WATERSPORT SUPPLIES, Dartford, Kent. T. 01322 277157
 1E/C STONEY COVE MARINE TRAILS, Stoney Stanton, Leics. VP T. 01455 273089
 1H/C ROBIN HOOD WATERSPORTS, Heckmondwike, W. Yorks. VP T. 01924 444888
 1K/C SAFETY AIR SERVICES, Southsea, Hants. VP T. 02392 294560
 1R DIVE-IN, Whittlesey, Peterborough, Cambs. T. 01733 351288
 1Q SEAWAYS DIVING & MARINE, Penryn, Cornwall. T. 01326 375544
 1U/C DIVERS AIR, Wrexham, Flintshire. VP T. 01978 661352
 1X MIDLAND DIVING EQUIPMENT, Leicester. T. 01162 124262
 2A SCEPTRE WATERSPORTS CENTRE, Lincoln. T. 01522 530681
 2B/C SOUTHERN CYLINDER SERVICES, Fareham, Hants. VP T. 01329 221125
 2C/C T H DIVING SERVICES, Hooe, Plymouth, Devon. VP T. 01752 408200
 2E/C WIRRAL SPORTS & LEISURE, Birkenhead, Merseyside. T. 0151 666 6633
 2G/C DIVELINE, Ipswich, Suffolk. VP T. 01473 715333
 2J/C REMAR SAFETY SERVICES, Caerphilly, Glam. VP T. 02920 860416
 2K/C AQUALAND DIVERS, Chelmsford, Essex. T. 01245 477701
 2N/C LANDEX SAFETY SERVICES, Midsomer Norton, Radstock, Glos. T. 01761 416904
 2V G & H DIVING SERVICES, Feltham, Middx. T. 020 8751 3771
 2Y/C CORMETON FIRE PROTECTION, Whitley Bay, Tyne & Wear. T. 0191 237 0790
 2Z/C S D S WATERSPORTS, Sheffield, S. Yorks. T. 01142 488688
 3A TOTAL SAFETY, Dyce, Aberdeen. VP T. 01224 771200
 3R/C INDUSTRIAL PRESSURE TESTING, Cork, Ireland. VP T. +353 21 4968383
 3U/C J R SERVICES, Cullompton, Devon. VP VE T. 01884 266400
 3X AMPHIBIAN SPORTS, West Norwood, London. T. 020 8761 2458
 3Y/C M60 SCUBA, Stockport, Cheshire. T. 0161 480 5745
 3Z BREATHE-EASY, Carnforth, Lancs. VE T. 01524 730777
 4B BARRACUDA, Nottingham. VP T. 01159 418822
 4C ARMOURLITE LTD, Bilston, W. Midlands. T. 01902 494988
 4D/C SCUBA WORKSHOP, Rochdale, Lancs. VE T. 01706 817007
 4G TOTAL SAFETY, Knottingley, W. Yorks. VP T. 08443 814550
 4L/C D V DIVING, Newtownards, Co. Down, N. Ireland. T. 028 91 861686
 4Q/C OBSEQUIO, Fareham, Hants. VE T. 01329 835511
 4S/C CRYSTAL SEAS, Bishop's Stortford, Herts. T. 01279 466011
 4U/C DORSET DIVING SERVICES, Poole, Dorset. T. 01202 122006
 4V DIVING CYLINDER AND REGULATOR SERVICES, Warwick. T. 01926 439797
 4W SANDFORD & DOWN, Plymouth, Devon. T. 01752 266248,
 4X AQUAVENTURES LTD, Baltimore, Co. Cork, Ireland T. +353 28 20511
 4Y MEVAGH DIVE CENTRE, Letterkenny, Co. Donegal, Ireland. T. +353 74 9154708
 5B/C BRISTOL CHANNEL DIVING SERVICE, Cardiff. T. 02920 464846
 5D/C LAMBAY DIVING SERVICE, Dundrum, Dublin 14, Ireland. T. +353 86 1667075
 5G/C C&C MARINE SERVICES, Largs, N. Ayrshire. T. 01475 687180
 5H/C C & R TESTING, Manchester. T. 0161 796 8277
 5J CORNISH DIVING CENTRE Falmouth, Cornwall. T. 01326 31126
 5Q CYPRUS JOINT SERVICES TRAINING CENTRE. T. +357 2474 4249
 5R AQUAHOLICS, Portstewart, Co. Londonderry, N. Ireland. T. 028 7083 2584
 5X THE DIVING CENTRE LTD Sunderland, Tyne & Wear T 0191 2327983
 5Z 4TH ELEMENT DIVING, Stockton-on-Tees T01642 601616
 6A LOCH FYNE DIVE CHARTERS, Tarbert, Argyll. T 07812 572681
 6E/C L P DIVING & MARINE, Penkridge, Staffs. T. 01785 716917
 6H SCUBADIVE WEST, Renvyle, Co. Galway, Ireland. T. +353 95 43922
 6J/C SABRE SAFETY LTD, Cupar, Fife. T. 01334 656645
 6K/C SERIDAN LTD, Dublin 15, Ireland. T.+353 1 820 6346
 6L/C DIVE 90 LTD, Cheltenham, Glos. T. 01242 680003
 6Q CYLINDER SERVICE, Male, Maldives. T. +960 300 9699
 6R REC2TECH, Milton Keynes, Bucks. T. 07764 929044
 6T MALAKOFF LTD, Lerwick, Shetland Is. T. 01595 695544
 6U J M SCUBA, Cosby, Leicestershire VP T. 0116 2865197
 6Y SHOREBASE SERVICING LTD, 33 Chesterfield, Chard, Somerset, TA20 1EX
 7B/C SUNDERLAND SCUBA CENTRE, Sunderland, Tyne & Wear. T. 0191 567 0147
 7C/C EAST COAST DIVING, Donington, Lincs. T. 01406 365402
 7D GRYPHON SCUBA SERVICE S Durstan, Staffs. T 07854 653275

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7F FLAGSHIP SCUBA. Dublin, 4 Ireland T +33 1 667 0988
 7H NORTHWEST DIVE SHOP, Manorhamilton, Co. Leitrim, Ireland. T. +353 86 8243798
 7N BREATHING AIR SYSTEMS ENGINEERING, Dublin, Ireland. T. +353 14 447938
 7Q/C HAVEN DIVING SERVICES, Milford Haven, Pembrokeshire. T. 07725 033238
 7R/C FROGSBORN DIVING SERVICES LTD, Hawarden, Flintshire. T. 01244 520333
 7S J C SCUBA, Swindon, Wilts. T. 07795 371669
 7T CALYPSO BLUE DIVING, The Underwater Studios, Basildon, SS13 1DN
 7V MORAY FIRTH DIVE CENTRE, Elgin, Moray. T. 07807 497706
 7W AQUANAUT SCUBA, Kingston, Surrey. T. 07778 135987
 7X OCEAN ADDICTS, Kinslade, Co. Cork, Ireland. T. +353 87 274492
 7Y SCUBA SERVICES SOUTH WEST, Taunton, Somerset. T. 07867807563
 7Z POOLE DIVING, Wimborne, Dorset. T. 07694 946626
 8B DIVE CLUB MALDIVES, Hulhumale, Maldives. T. +960 778 5165
 8E AQUATRON DIVE CENTRE, Glasgow. T. 0141 4297575
 8F D M SCUBA TRAINING, Royal Wootton Bassett, Wilts. T. 07920 556116
 8G GALAXSEA DIVERS, Ipswich, Suffolk. T. 01473 711818
 8K APEKS MARINE, Blackburn, Lancs T 01254 692200
 8M DIVE ODYSSEA, Rochford, Essex T 01702 542759
 8N DISCOVER DIVING, Port St Mary. I.O.M T 01624 833008
 8Q AQUATECHNIQUE SCUBA DIVING SCHOOL, Enderby, Leicester, LE19 2BS
 8R FIN DIVERS LTD, Stevenage, Herts T 01483 312122
 8T/C STARN (ABERDEEN) Fife, Scotland T 01224 729081
 8U WRAYSBUURY DIVE CENTRE, Wraysbury, Berks T 01744 488007
 8V AQUASPORT INTERNATIONAL, Olton, Solihull, T 0121 706 6628
 8Y EMERALD DIVING IRELAND, Navan, Co. Meath. + 3864 096224
 9A SCUBA TECH, Eastcote, Northants T 0752 07526 849482
 9B TECHNICAL DIVING STRANGFORD, Crossgar, Downpatrick. T +44 2844 832 992
 9C TAL SCUBA LTD, Christchurch, BH23 1LQ
 9D BREATHE SAFETY LTD, Ferndown, BH21 7R
 9E SOUTH WEST MARITIME ACADEMY, Cromhall, Gloucestershire, GL12 8AA
 9F DIVE ACADEMY, Yeovil, Somerset, BA22 8UU
 9G OXFORD DIVE CENTRE, Oxford, OX1 4TE
 9H HIGH PRESSURE SERVICES, Dover, Kent, CT16 3EH
 9J REVOLUTION AIR SERVICES, Gloucester, GL19 4BP
 9K SUBAQUA SERVICES, Knapton, Norfolk, NR28 0SA
 9L PRESSURE TECH MALDIVES PVT LTD Male, Republic of Maldives 20088
 9M BLUE OCEAN DIVING, Maidstone, Kent, ME15 7AF
 9N NEMES DIVING AND WATERSPORTS, Gravesend, DA12 5DJ
 9P DIVESTAY, Eyemouth, TD13 5EY
 9Q PHEONIX ENGINEERING, Unit 9, The Wren Centre, Emsworth, Hants, PO10 7SU
 9R ORCA SCUBA DIVING ACADEMY, Basildon, Essex, SS13 1LN
 9S OCTOPUS TEST SYSTEMS, Stonehaven, Aberdeen, AB39 2NH
 9T DEEPSEA MARINE LTD, Nottingham, NG8 5RR
 9U NCL SCUBA SERVICES, Kings Lynn, Norfolk, PE34 4HA
 9V FLARE FIRE SAFETY ENGINEERING LTD, Marywell, Aberdeen, AB12 4SB
 9Y XAMBOR WATERSPORTS, Unit 11 Orchard Business Centre, Tonbridge, Kent, TN9 1QF
 9Z BOLTON AREA DIVERS, 10 Brownlow Business Park, Bolton, BL1 3DX
 A1 EAGLE DIVERS, 24 Ninian Park, Portsmouth, PO3 5DJ
 A2 SCUBA SHACK LTD, Street, Sedgley, DY3 1JB
 A3 SCUBA H20, 112 Sunny Grove, Chaddesden, Derby, DE21 6WJ
 A4 DIVE WORLD LTD, 185 Holme Lane, Hillsborough, Sheffield, S6 4JR
 A5 CYLINDER TESTING STATION LTD, Unit 70, Heming Road, Redditch, B98 0EA
 A6 SCUBA DIVER TRAINING LTD, 6 Conyers Road, Chester-le-Street, Durham, DH2 2 HD
 A7 CFP CYLINDER TESTING, Castle Farm, Crag Lane, Harrogate, HG3 2BB

C - COMPOSITE CYLINDER TESTING

SEPTEMBER 2022

The Testing of Diving Cylinders



Working towards your diving safety

Tel: +44(0) 1325 238250

British, European, International Standards

The appropriate British, European or International Standards for the Inspection and Testing of diving cylinders are BS EN 1968:2002 (steel), BS EN 1802:2002 (aluminium), and BS EN ISO 18119:2018 (steel & aluminium)

These lay down the techniques and measurements to be made and also list the periods between tests.

- 1) Cylinders undergo a periodic visual inspection every 2½ years (PI).
- 2) Cylinders undergo a periodic visual inspection plus a hydraulic test every 5 years (PIAT).

1. Visual Inspection

The external and internal surfaces of the cylinder are examined for flaws/damage and the surfaces will be appropriately cleaned as necessary. The cylinder threads will be checked for form and wear as will the threads of the cylinder valve before servicing.

The standard also requires the Centre to apply a **green** quadrant sticker indicating the year and month of the next periodic inspection for the cylinder.

2. Volumetric Hydraulic Test

This consists of completely filling the cylinder with water, subjecting it to the test pressure and measuring any permanent expansion that may occur. There should be NONE but up to 5% is allowed for inaccuracies in the test equipment.

After testing, the cylinder will be dried and re-assembled with its valve, which will have been serviced.

The Test Centre will stamp the shoulder of the cylinder with the unique IDEST Test Centre stamp, the year and the month of the test.

The standard also requires the Centre to apply a **blue** quadrant sticker indicating the year and month of the next periodic inspection for the cylinder.

It also requires the Centre to affix a label to the cylinder indicating the intended contents (e.g. Breathing Air).

IDEST Standards

The Inspectorate for Diving Equipment Servicing and Testing (IDEST) was set up in 1985 with a view to providing an independent assessment for Test Centres to prove that they are working to the appropriate British Standards.

The checks are carried out by highly qualified and independent inspectors, who check the equipment, personnel, documentation and records of the Test Centre. Those meeting the standard are given IDEST Approval and are awarded an Approval Certificate and the use of a unique IDEST Test Centre stamp.

In order to ensure that all Test Centres are working to the same standards and are interpreting them uniformly, IDEST Test Centres, and those seeking Approval, all work to the IDEST Code of Practice CP11:2011.

IDEST works as the technical arm of the Scuba Industries Trade Association (SITA), with the main responsibility of Inspecting and Assessing Cylinder Test Centres and certifying Cylinder Test Technicians to *National standards*.

UKAS Accreditation

IDEST has been accredited by the United Kingdom Accreditation Service (UKAS) to Inspect, Assess and Certify Cylinder Test Technicians working in suitably equipped Test Centres.

The Accreditation by UKAS is to the standard ISO 17024 - "General Requirements for Bodies Operating a Quality System of Assessment and Certification of Persons".



IDEST

Fully supported by the
Scuba Industries Trade Association
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"Working towards your diving safety"

IDEST has the following aims and objectives:

- ♦ To offer a quality scheme for the inspection and approval of Cylinder Test Centres and for Cylinder Test Technicians.
- ♦ To encourage all with the responsibility for maintaining diving equipment to achieve a high standard of quality and safety.
- ♦ To inspect and approve Cylinder Test Centres in accordance with Industry standards.
- ♦ To carry out regular monitoring and re-inspection, to ensure that quality and standards are maintained.
- ♦ To carry out assessment and approval of Cylinder Test Technicians according to ISO 17024.
- ♦ To provide expert advice to IDEST Approved Test Centres and those seeking approval.
- ♦ To organise and run specialist seminars for IDEST certified Cylinder Test Technicians, as and when required.

Training and Approval

Standards require that the inspection and test is carried out by a competent person. There is no unique legal definition of competence for cylinder testing. However, HSE considers that the following provide a suitable level of confidence in a cylinder inspectors' competence for this task:

- appointment by the Secretary of State for Transport for the purposes of inspection of gas cylinders;
- working within the terms of an industry accredited scheme such as that operated by the Scuba Industries Trade Association (SITA) and the Inspectorate for Diving Equipment Servicing and Testing (IDEST).

IDEST Approval

- Confirms working to British, European & International Standards
- Meets UKAS requirements for Cylinder Test Technicians
- Promotes good working practices
- Easily understood and economical to implement in the smallest workshop