

## IDEST Approved Cylinder Test Centres

1C KENT DIVING & WATERSPORT SUPPLIES, Dartford, Kent. T. 01322 277157  
 1E/C STONEY COVE MARINE TRIALS, 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  
 1M EDINBURGH DIVING CENTRE, Edinburgh. T. 0131 229 4838  
 1Q DIVE-IN, Whittlesey, Peterborough, Cambs. T. 01733 351288  
 1R 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 TOTALSAFTY, Dyce, Aberdeen. VP T. 01224 771200  
 3B CROXLEY DIVERS, Croxley Green, Herts. T. 01923 777700  
 3R/C INDUSTRIAL PRESSURE TESTING, Cork, Ireland. VP T. +353 21 4968383  
 3U/C JR SERVICES, Cullompton, Devon. VP VE T. 01884 266400  
 3V/C MA SERVICES, Male, Maldives VP T. +960 331 0935  
 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  
 4M DIVELIFE, Whitefield, Manchester. VE T. 0161 796 0300  
 4P PARWIN SCUBA SERVICING CLINIC, Huntingdon, Cambs. T. 01487 834630  
 4Q/C ANGUS DIVING SERVICES, Fareham, Hants. VE T. 01329 835511  
 4S/C PLANET SCUBA LTD, Bishop's Stortford, Herts. T. 01279 466011  
 4U/C DORSET DIVING SERVICES, Bournemouth, Dorset. T. 01202 580065  
 4V DIVING CYLINDER AND REGULATOR SERVICES, Warwick. T. 01926 439797  
 4W SANDFORD & DOWN, Plymouth, Devon. T. 01752 266248,  
 4X AQUAVENTURES, Baltimore, Co. Cork, Ireland T. +353 28 20511  
 4Y MEVAGH DIVE CENTRE, Letterkenny, Co. Donegal, Ireland. T. +353 74 9154708  
 5A/C BREATHING AIR SYSTEMS ENGINEERING LTD. Rathcoole, Dublin T. +353 14447938  
 5B/C BRISTOL CHANNEL DIVING SERVICE, Cardiff. T. 02920 464846  
 5C NATIONAL DIVING & ACTIVITY CENTRE, Chepstow, Monmouth. T. 01291 630046  
 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  
 5Q CYPRUS JOINT SERVICES TRAINING CENTRE. T. +357 2474 4249  
 5J CORNWALL DIVERS Falmouth, Cornwall. T. 01326 311265  
 5P YORKSHIRE DIVING SERVICES, Whitby, N. Yorks. T. 01947 603388  
 5R AQUAHOLOGICS, Portstewart, Co. Londonderry, N. Ireland. T. 028 7083 2584  
 5U A S PRESSURE SERVICING, Canvey Island, Essex. T. 01268 514423  
 5X THE DIVING CENTRE, 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

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6B AQUASTARS DIVE CENTRE, Eyemouth, Berwickshire. T. 01890 750904  
 6E/C L P DIVING & MARINE, Penkridge, Staffs. T. 01785 716917  
 6F THE DIVE ZONE LTD, Melksham, Wilts. T. 01225 791440  
 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  
 6P/C CENTRAL CYLINDER SERVICES, Selby, Yorks. T. 01757 709552  
 6Q CYLINDER SERVICE, Male, Maldives. T. +960 300 9699  
 6R MK SCUBA DIVING SERVICES Milton Keynes, Bucks. T. 07764 929044  
 6S/C BREATHING AIR TECHNICAL SERVICES, Hull. T. 01482 706443  
 6T MALAKOFF LTD, Lerwick, Shetland Is. T. 01595 695544  
 6U JM SCUBA, Cosby, Leicestershire VP T. 0116 2865197  
 6V CORE 904 LTF Aberdeen. T. 01224 581313  
 6W/C SCUBA SOLUTIONS, Iwade, Sittingbourne, Kent. T. 01795 427270  
 6Y SHOREBASE SERVICING, Portland, Dorset. T. 07922 597384  
 7A SCUBADUCKS DIVE CENTRE, Aylesbury, Bucks. T. 01296 317787  
 7B/C SUNDERLAND SCUBA CENTRE, Sunderland, Tyne & Wear. T. 0191 567 0147  
 7C/C EAST COAST DIVING, Donington, Lincs. T. 01406 365402  
 7D GRYPHON SCUBA4SE RVICE S Durstan, Staffs. T 07854 653275  
 7F FLAGSHIP SCUBA, Dublin, 4 Ireland T +33 1 667 0988  
 7G TROON CYLINDER TESTING, Troon, S Ayrshire T. 07432 11033  
 7H NORTHWEST DIVE SHOP, Manoramilton, Co. Leitrim, Ireland. T. +353 86 8243798  
 7M DIVERS WAREHOUSE, Bradford, W. Yorks. T. 01274 307555  
 7N BREATHING AIR SYSTEMS ENGINEERING, Dublin, Ireland. T. +353 14 447938  
 7P JEM DIVERS, Somerton, Somerset. T. 01458 272931  
 7Q/C HAVEN DIVING SERVICES, Milford Haven, Pembrokeshire. T. 07725 033238  
 7R/C FROGSBORN DIVING CENTRE, Hawarden, Flintshire. T. 01244 520333  
 7S J C SCUBA, Swindon, Wilts. T. 07795 371669  
 7T CALYPSO BLUE DIVING LTD, Basildon, Essex. T. 01268 285011  
 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 FLIPPAS-N-FINS Wimborne, Dorset. T. 07694 946626  
 8A MARINE & DIVING SERVICES, Great Yarmouth, Norfolk. T. 01493 339166  
 8B DIVE CLUB MALDIVES, Hulhumale, Maldives. T. +960 778 5165  
 8C SCUBA ENGINEER, Chonburi 20150, Thailand. T. +66 38 300273  
 8D SCUBA CLINIC CO LTD, Phuket, Thailand. T. +66 87 4174533  
 8E AQUATRON DIVE CENTRE, Glasgow. T. 0141 4297575  
 8F DM SCUBA TRAINING, Royal Wootton Bassett, Wilts. T. 07920 556116  
 8G GALAXSEA DIVERS, Ipswich, Suffolk. T. 01473 711818  
 8H SCUBATEKS LTD, Telford, Shropshire. T. 01952 257590  
 8J CANARY DIVERS LTD, Blackburn, Lancs. T. 01254 696690  
 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  
 8R FIN DIVERS LTD, Stevenage, Herts T 01483 312122  
 8S SURREY & HANTS SCUBA SRVICES, Aldershot, Hnats T 07866 436846  
 8T/C SABRE SAFETY LTD (ABERDEEN) Fife, Scotland T 01224 729081  
 8U WRAYSBUARY DIVE CENTRE, Wraysbury, Berks T 01744 488007  
 8V AQUASPORT INTERNTIONAL, Olton, Solihull, T 0121 706 6628  
 8W AIREQUIPO Calle Castro 54, San Isidro, Tenerife T 0034 922 767460

C - COMPOSITE CYLINDER TESTING  
 VP - VISUAL PLUS TESTING  
 VE - VISUAL EDDY TESTING

SEPTEMBER 2016

## The Testing of Diving Cylinders



Inspectorate for  
 Diving Equipment  
 Servicing and Testing

Working Together to Promote  
 World Class Standards  
 for the Diving Industry

Tel: +44(0) 1883 622690

# Diving Cylinders : Tested in accordance with BS EN 1968:2002 (steel) or BS EN 1802:2002 (aluminium)

## British/European Standards

The appropriate British/European Standards for the Inspection and Testing of diving cylinders are BS EN 1968:2002 (steel) and BS EN 1802:2002 (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.

Some aluminium cylinders need eddy current testing of the neck area for "*sustained load cracking (SLC)*".

### 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 Test Centre to apply a sticker indicating the year and month of the next periodic visual inspection for the cylinder.

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



## 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 (UKAS) 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

For further information please contact:



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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

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