

# THE ANNOTATEDTEKKIE

## CLOSED CIRCUIT CONFIGURATIONS

How much kit does it take to safely explore the underwater world?  
We celebrate our innate gearheaded-ness with British photographer  
Jason Brown.

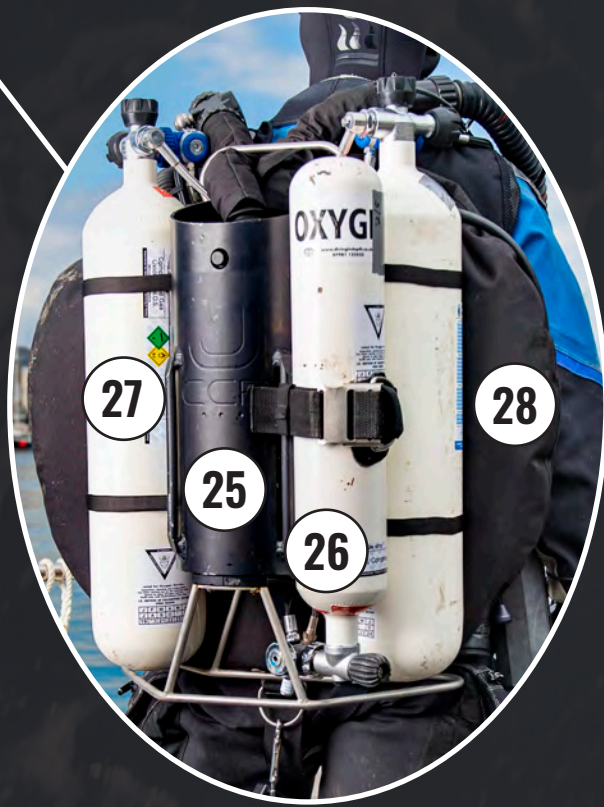
Credits: The Annotated Tekkie was created Michael Menduno, Amanda White and Jason Brown.  
Photography by Jason Brown of bardophotographic.com. Design by Amanda White. Models:  
Liam Colleran, Garry Dallas, Toni Norton, Marcus Rose, and Robert Thomas. Annotations by  
Garry Dallas, Vladamir Dontsov, Symeon Delikaris Manias, Marcus Rose, and Robert Thomas.  
Photoshoot locations: Skindeep Diving Charters, Portland, Dorset, Wookey Hole, Somerset, Old  
Harbour Dive Centre, Weymouth, Dorset, Vobster Quay Diving Centre, Somerset.

### SPONSORED BY



### GUE CCR

Not surprising to anyone, GUE has developed its own closed circuit configuration. GUE instructor and community-director Marcus Rose, demonstrates the fine points of a well-dressed (CCR) man.



- 14. SHEARWATER PETREL JJ-CCR CONTROLLER
- 15. E.MOTION+ SANTI DRYSUIT
- 16. LOOP FROM JJ CCR GUE CONFIGURATION
- 17. HALCYON H-VIEW MASK
- 18. FOURTH ELEMENT NEOPRENE HOOD
- 19. HALCYON SECOND STAGE HALO
- 20. SHEARWATER PERDIX DIVE COMPUTER
- 21. HALCYON P-VALVE
- 22. HALCYON WETNOTES BOOK
- 23. SANTI HEATED VEST BZ200
- 24. SANTI HEATED VEST CONNECTOR
- 25. JJ-CCR SCRUBBER AND HEAD UNIT CANISTER
- 26. FABER 3 LITRE STEEL O2 TANK
- 27. DUAL FABER 7 LITRE STEEL DILUENT TANKS WITH LOLA FLEXIBLE MANIFOLD VALVES
- 28. HALCYON EXPLORER WING

### BACK MOUNT CCR

An inspired TDI Instructor Trainer Toni Norton geeks out in full tech regalia in the yellow machine that fomented a revolution.



- 1. AP DIVING INSPIRATION WITH BACK-MOUNTED COUNTERLUNGS, INTEGRATED WEIGHT HARNESS AND OPEN CIRCUIT BOV
- 2. OTTER ATLANTIC FRONT-ENTRY TRILAMINATE DRYSUIT
- 3. KAMAQUA 1.6M SMB WITH STAINLESS INFLATOR
- 4. FOURTH ELEMENT EXPEDITION 120L DUFFEL BAG
- 5. DIVE SYSTEMS TECH FIN
- 6. OTTER VELCRO ROCK BOOTS
- 7. BONEX ECOS S DPV
- 8. KUBI DRY GLOVE RINGS
- 9. KENT TOOLING RATCHET REEL
- 10. APEKS TEK3 1ST STAGE
- 11. APEKS XTX40 2ND STAGE
- 12. AP DIVING 2020VISION CCR CONTROLLER
- 13. AZOTH O'DIVE CONNECTED SENSOR
- 14. DAN OXYGEN KIT
- 15. APEKS DS4 1ST STAGE REGULATOR
- 16. LUXFER ALI 80 / 11L STAGE
- 17. LUXFER AL40 / 5.5L STAGE

- 18. SUUNTO EON STEEL DIVE COMPUTER
- 19. FOURTH ELEMENT GULPER WATER BOTTLE
- 20. KAMAQUA 'LES ECLAIREURS' UMBILICAL PRIMARY LIGHT WITH 5.2AH BATTERY PACK
- 21. AP DIVING AUTO AIR COMBINED REGULATOR / POWER INFLATOR
- 22. STEEL SUIT INFLATION BOTTLE (1L) MOUNTED ON CCR CASE
- 23. FOURTH ELEMENT WOMEN'S J2 TOP AND LEGGINGS
- 24. AP DIVING'S INSPIRATION
- 25. AP DIVING DROP WEIGHTS



### SIDEMOUNT CCR

Whether worn as a primary or as rebreather bailout, sidemount rebreathers are gaining users and applications. Here RAID Instructor Trainer Garry Dallas of Simply Sidemount embodies the proper sidemount style and attitude.



- 1. FOURTH ELEMENT 5MM NEOPRENE HOOD
- 2. BEAVER SPORT ATOMIC FRAMELESS MASK
- 3. XDEEP TEC STEALTH 2.0 RB
- 4. FOURTH ELEMENT ARGONAUT DRYSUIT
- 5. DIVESOFT LIBERTY SIDEMOUNT CCR
- 6. AMMONITE LED ONE BACKUP LIGHT
- 7. DIVESOFT FREEDOM CCR DIVE COMPUTER
- 8. BACK-UP DIVESOFT FREEDOM CCR DIVE COMPUTER
- 9. AMMONITE SYSTEMS CANNISTER LIGHT-SOLARIS NEXTGEN HEAD
- 10. GENERIC PLASTIC SPOOL
- 11. SUUNTO SK-8 COMPASS
- 12. FREEDOM CLOSED CIRCUIT REBREATHING DIVE COMPUTER WITH OUT CABLE
- 13. APEKS RK3 FINS - BLACK
- 14. HALCYON T16 DPV WITH SUUX COLD-WATER HANDLE
- 15/16. LUXFER AL80 WITH NAME TAG D-LUXE DIVE GEAR BAND TANKS
- 17. APEKS XT50 SECOND STAGE REGULATOR
- 18. APEKS DST FIRST STAGE REGULATOR WITH 5TH PORT
- 19. XDEEP LS200 SECOND STAGE REGULATOR

- 20. XDEEP NX700 FIRST STAGE
- 21. APEK XTX50 SECOND STAGE REGULATOR
- 22. APEK DST FIRST STAGE WITH 5TH PORT
- 23. XDEEP TEC STEALTH 2.0 RB
- 24. AMMONITE LED ONE BACKUP LIGHT
- 25. XDEEP EXPANDABLE POUCH
- 26. AMMONITE SYSTEMS CANNISTER LIGHT SOLARIS NG HEAD TOUCH SIDEMOUNT CABLE 24AH AC CU-THERMO BATTERY
- 27. APEK 30M/45M SPOOLS AND FIVE COOKIES, FIVE REMS AND 5 ARROWS ON AN XDEEP BOLT SNAP PIGTAIL
- 28. DIVESOFT PRIMARY REEL 200M
- 29. FOURTH ELEMENT HALO AR UNDERSUIT
- 30. FOURTH ELEMENT P-VALVE



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## OPEN CIRCUIT BACK MOUNT

The technical diving community has largely standardized its open circuit tech rig, though arguments over hose, light and computer placement persist. British tekkie Liam Colleran sports the GUE open circuit configuration with verve.



- 1. GUE MASK STRAP
- 2. APEKS DST 1ST STAGE
- 3. DUI DRYSUIT FLEX EXTREME
- 4. SHEARWATER PERDIX AI IN GAUGE MODE
- 5. HALCYON PRESSURE GAUGE
- 6. DIVESIGNS.COM TANK ID STICKERS
- 7. LUXFER 207-BAR AL80 / 11L ALUMINIUMC
- 8. SCUBAPRO JET FINS
- 9. HALCYON KNIFE AND SHEATH

- 10. HALCYON FOCUS 2 LIGHTHEAD
- 11. APEKS XTX50 REGULATOR
- 12. HALCYON 40 LITRE EVOLVE DOUBLES WING
- 13. HALCYON T16 DPV WITH SUXX COLD WATER HANDLE
- 14. HALCYON SMB AND COLD WATER SPOOL 45M
- 15. AZOTH'S O'DIVE CONNECTED SENSOR
- 16. DIVESOFT ANALYZER HE/O2
- 17. GUE ANALYSIS TAPE
- 18. HALCYON P-VALVE



## TOOLS OF THE TRADE



## CDG OPEN CIRCUIT SIDEMOUNT

The British Cave Diving Group (CDG) has developed its own sidemount configurations for dealing with the UK's sumpy caves. CDG diver Robert Thomas, founder of Young Divers International shows the kind of kit it takes to scoop serious booty.



- 1. DIVE RITE HELMET, RED
- 2. MEDIUM CABLE TIES, HAPPY YELLOW
- 3. REGULATOR RUBBER GAG STRAP, PINK
- 4. KEVLAR OTTER ATLANTIC DRYSUIT
- 5. SAINSBURYS OWN BRAND ALL PLASTIC CLOTHES PEGS
- 6. KUBI 100MM RINGS WITH THICK TEXTURED GLOVE
- 7. DIVE RITE LX20 PRIMARY LIGHT & HAND MOUNT
- 8. DIVE RITE XT2 SECOND STAGE REGULATOR + IST
- 9. DIVE RITE CAVERN SAFETY REEL
- 10. SUUNTO EON STEEL SILVER WITH BÜHLMANN UPGRADE
- 11. APEKS DRYSUIT INFLATOR
- 12. HOME MADE EXPLORER REEL, LOADED WITH 120M OF PETZL DYNEEMA CORD, SNOOPY LOCK OFF
- 13. HOLLIS F1 FINS, ANKLE WEIGHT REMOVAL SYSTEM
- 14. MOD ROCKET TUBE SNOOPY / CARABINER ATTACHMENTS
- 15. POSEIDON CYCLON 300 2ND STAGE (SUMP TRACTORS)
- 16. BONEX ECOS S DPV
- 17. IST PI FRAMELESS MASK
- 18. STEEL FABER 232BAR 12L CYLINDER
- 19. WARMBAC WARMTEX CAVERS KNEE PADS
- 20. AQUALUNG CORE ACD FIRST STAGE
- 21. OTTER WATERSPORTS BALANCED P-VALVE

- 1. DIVE RITE TRAUMA SHEARS
- 2. EEZYCUT TRILOBITE LINE CUTTER
- 3. FOURTH ELEMENT OCEAN DEBRIS BAG
- 4. HALCYON LONG HOSE RETAINER
- 5. STAGE RIGGING NYLON ROPE
- 6. BRAIDED NYLON LINE
- 7. BUNGEE CORD
- 8. RUBBER TANK BAND
- 9. BREATHING GAS ANALYZER
- 10. SHARPIE MARKER PEN
- 11. ROLL OF GUE GAS ANALYSIS TAPE
- 12. PLASTIC HARNESS BUCKLE (PRIMARY TORCH BATTERY RETAINER)
- 13. APEKS O-RING PICK
- 14. MARINE-GRADE BOLT SNAPS (VARIOUS SIZES)
- 15. MARINE-GRADE DOUBLE ENDED BOLT SNAPS
- 16. PANDORA-LAB TITANIUM MULTITOOL
- 17. MARINE-GRADE SEA SPANNER
- 18. CYLINDER VALVE HAND WHEEL TOOL
- 19. WING INFLATOR SERVICE TOOL
- 20. CAR TYRE INFLATOR WITH QD INFLATION HOSE CONNECTOR
- 21. AIR GUN ADAPTOR WITH QD INFLATION HOSE CONNECTOR
- 22. MARINE-GRADE STAINLESS STEEL BACKPLATE BOLT WASHERS
- 23. KENT TOOLING CHUNKY MARINE-GRADE BACKPLATE NUTS
- 24. SPARE MIFLEX INFLATION HOSE WITH QD CONNECTOR
- 25. SCUBAPRO DIVERS MULTITOOL
- 26. SANTI EO BLANKING PLUGS (PAIR)
- 27. HP AND LP REGULATOR BLANKING PLUGS
- 28. ZIP TIES
- 29. PANDORA-LAB O-RING KIT WITH PICK AND O2 COMPATIBLE GREASE
- 30. DIVESIGNS.COM MOD STICKERS PACK
- 31. SILICONE GEL
- 32. SEA DROPS MASK DEFOGGER
- 33. SET OF ALLEN KEYS
- 34. UNDERSEA UK TANK PRESSURE CHECKER
- 35. JET FLAME LIGHTER
- 36. SWIM-EAR EAR DRYING FLUID
- 37. EQUALEAZE NASAL SPRAY
- 38. SPARE REGULATOR / CCR MOUTHPIECE