

Specifications

- 7 in (178 mm) dia. x 16 in (406 mm) tall
- 30.2 lb (13.7 kg) without cylinders or scrubber material

Head

- No batteries inside head eliminates the possibility of toxic chemicals in breathing loop
- Fully potted and submersible head eliminates the possibility of corrosion on sensitive life-support equipment
- Splitter/isolation board allows two devices to monitor oxygen sensors
- Coax (SMB) connectors on oxygen sensors eliminates fragile Molex connectors
- **NEW** removable coax (SMB) sensor cables eliminate damage to sensors during installation
- Minimal head space reduces static loop volume
- Oxygen addition on exhaust side of head insures proper gas mixing in scrubber before it reaches sensors and diver
- Diluent addition on inhale side over #1 sensor face for instant cell verification against a known gas
- **NEW** Quick disconnect bayonets on head simplify assembly and disassembly

Breathing Loop

- Backmounted counterlungs provide excellent work of breathing (WOB) in all positions while keeping frontal area free of clutter for stage bottle mounting and minimizing diver's profile.
- Counterlungs can be removed without removing backplate to facilitate loop cleaning between dives
- **NEW** ACME threads on counterlung ports for improved assembly and disassembly
- Low profile T-pieces with stretch (front) and rigid (back) breathing hoses
- Quick disconnect bayonets on BOV allow for easy cleaning and inspection of one-way valves
- Shrimp BOV allows for rapid bailout without removing mouthpiece

Mounting Hardware

- Kent Tooling 316 SS cylinder mounts are low profile and incredibly secure
- Kent Tooling 316 SS STA backplate mount

Scrubber

- 5 lb (2.3 kg) or 8.8 lb (4 kg) radial scrubber
- Inside to out radial flow for maximum efficiency
- Black Amalgon canister insulates scrubber 400 times better than aluminum
- Built in water trap with chammies to absorb condensation
- Latchless head, canister and bottom streamlines profile and eliminates broken latches

Oxygen MAV/Needle Valve

- Needle valve incorporates the simplicity of a constant mass flow (CMF) orifice without the IP adjustment issues or the risk of blockage from debris.
- 316 SS Swagelok needle valve for precise flow
- Fully recessed manual oxygen addition button prevents unwanted oxygen addition
- Non depth compensated Apeks DS4 1st stage with stronger spring allows for adjustment from 200-290 psi (14-20 bar) IP for 400-600 fsw (122-183 msw) maximum depth.
- 360 psi (25 bar) Adjustable Pressure Relief Valve (APRV)

Diluent MAV

- Fully recessed manual diluent addition button prevents unwanted gas addition
- Female QC-6 plugs into offboard bailout/diluent
- Bypass port routes gas directly to BOV or ADV

PO2 Monitoring

- Shearwater Petrel 3 or NERD 2 primary PO2 monitor
- FATHOM Heads Up Display (HUD) secondary PO2 monitor
 - › Auto dimming
 - › Battery voltage on start-up
 - › Visual alarm
 - › **NEW** removable display on 5-pin AK cable

FATHOM Mk V CCR (includes the following)

\$9,195

Options

- Latchless head, canister, and bottom
- Backmounted counterlungs
- Low-profile T-pieces and breathing hoses
- Diluent MAV with QC-6 offboard gas connector
- Oxygen MAV/needle valve
- Apeks DS4 oxygen first stage with APRV
- Delrin cap & stronger spring in oxygen first stage
- Kent Tooling 316 SS cylinder mounts
- Kent Tooling 316 SS single tank adapter
- 35 bar/510 psi LP hoses, viton o-rings & 316 SS hardware
- 3 oxygen sensors
- Dwyer flow meter
- 4-pin AK cable for primary PO2 monitor
- **NEW** removable HUD on 5-pin AK cable
- Shrimp BOV
- 5 lb (2.3 kg) or 8.8 lb (4 kg) radial scrubber

- Shearwater Petrel 3 with 4-pin AK \$1,575
- Shearwater NERD 2 with 4-pin AK \$2,095
- Shearwater Swift Transmitter \$400
- Titanium hardware upgrade (cylinder mounts, STA, head handle & guards) \$995
- Cave Rig (includes the following) \$1,295
 - › 2 x AL30s with valves
 - › Apeks DS4 with OPV
 - › Dive Rite Voyager EXP Wing
- Tech Rig (includes the following) \$2,695
 - › 2 x Faber LP50s with LOLA valves and flex manifold
 - › Faber 3L with inline valve
 - › Cylinder mounting brackets
 - › Halcyon Evolve 60 Wing
- Tech Rig Lite (same as Tech Rig except the following) \$2,195
 - › 2 x AL40s (replaces LP50s)

Spares & Extras

- O-ring kit \$39
- Spares kit (includes the following) \$179
 - › Oxygen sensor
 - › Mushroom valve
 - › Upper loop hose
 - › Lower loop hose
 - › LS14250 SAFT battery
- Superfabric hose covers, pair \$36
- Cell checker/calibration kit \$649

*All prices are in US dollars.