

## 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
- Hardwired leads and coaxial SMB connectors on oxygen sensors eliminate multiple connections and fragile Molex connectors.
- 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

## 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
- Low profile T-pieces with **NEW** shorter stretch (front) and rigid (back) breathing hoses
- Shrimp DSV with quick disconnect bayonets allow for easy cleaning and inspection of one-way valves
  - Optional Shrimp BOV allows for rapid bailout without removing mouthpiece

## Mounting Hardware

- Kent Tooling 316 SS onboard 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
- Accepts third-party scrubbers for maximum flexibility
  - Meg radial scrubbers

## 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
- Un-compensated (blocked) 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.

## 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

## PO2 Monitoring

- **NEW** and improved HUD provides reliable secondary PO2 monitor
  - Reversible display
  - Automatic brightness adjustment
  - Voltage indication on start-up
  - Rechargeable battery option
- **NEW** hardwired Shearwater Petrel 2 primary display for increased reliability
- **NEW** Shearwater NERD 2 option replaces HUD as secondary display

## FATHOM MK2.5 CCR (Includes the following)

\$8,495

- Latchless head, canister, and bottom
- 5 lb (2.3 kg) or 8.8 lb (4 kg) radial scrubber
- Backmounted counterlungs
- Low-profile T-pieces and breathing hoses
- Shrimp DSV
- Diluent MAV with QC-6 offboard gas connector
- Oxygen MAV/needle valve
- 2 Apeks DS4 first stages with OPVs
- Delrin cap & stronger spring in oxygen first stage
- Kent Tooling 316 SS cylinder mounts
- Kent Tooling 316 SS single tank adapter
- 400 psi LP hoses, viton o-rings & 316 SS hardware
- 3 oxygen sensors
- Dwyer flow meter
- **NEW** and improved Heads Up Display (HUD)
- **NEW** hardwired Shearwater Petrel 2 primary display

## Not Included

- Backplate, harness & wing
- Cylinders

## Upgrades

- Shrimp BOV (replaces DSV) \$550
- ADV T-piece with inline shut-off (replaces std T-pieces) \$330
- Tech Rig (includes the following) \$1,295
  - 2 x Faber LP 50s
  - LOLA valves with flex manifold
  - Faber 3L with inline valve
  - 3L cylinder mounting straps
- Shearwater NERD 2 with AK 4-Pin cable (replaces HUD) \$1,750

## Spares & Extras

- O-ring kit \$40
- Spares kit (includes the following) \$179
  - Oxygen sensor
  - Mushroom valve
  - Upper loop hose
  - Lower loop hose
  - 1/2 AA SAFT battery
- Superfabric hose covers, pair \$35

\*All prices are in US dollars.