

Specifications

- 7 in (178 mm) dia. x 16 in (406 mm) tall
- 30.2 lb (13.7 kg) with 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 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 or Divesoft BOV allows for rapid bailout without removing mouthpiece
 - Optional Divesoft BOV+ADV simplifies plumbing by combining two functions

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
 - Cis-Lunar radial scrubber

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

- Hardwired HUD with Shearwater electronics provides reliable secondary PO2 monitor
- Hardwired cable for primary handset
- Primary handset options
 - Shearwater Petrel 2
 - Divesoft Freedom

FATHOM MK II CCR (Includes the following)

\$7,295

Breathing Loop Upgrades:

- 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
- Hardwired HUD with Shearwater electronics
- Hardwired Fischer or Divesoft cable

- Shrimp BOV (replaces DSV) \$550
- Divesoft BOV (replaces DSV) \$675
- Divesoft BOV + ADV (replaces DSV) \$750
- ADV T-piece with inline shut-off (replaces std T-piece) \$330

PO2 Monitoring Options:

- Shearwater Petrel 2 Fischer \$1,207
- Shearwater NERD 2 Fischer \$1,985
- Divesoft Freedom \$939

*All prices are in US dollars.

Not Included:

- Primary handset (see options below)
- Backplate, harness & wing
- Cylinders