

## Specifications

- 5" (127 mm) dia x 13" (330 mm) tall
- 20.2 lb (9.2 kg) without cylinders or scrubber material

## Heads

- 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
- Gas addition in exhale head insures proper gas mixing in scrubber before it reaches sensors and diver

## Breathing Loop

- Backmounted counterlung provides excellent work of breathing (WOB) in all positions while keeping frontal area free of clutter for stage bottle mounting and minimizing diver's profile.
- OPV in counterlung acts as a water dump and allows diver to dewater unit if needed.
- 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

## Scrubber

- 4.8 lb (2.2 kg) dual axial scrubbers
- Removable and swappable scrubber baskets
- Black Amalgon canister insulates scrubber 400 times better than aluminum
- Latchless head, canister and bottom streamlines profile

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

## PO2 Monitoring

- NEW and improved HUD provides reliable secondary PO2 monitor
  - › Reversible display
  - › Automatic brightness adjustment
  - › Voltage indication on start-up
  - › Visual alarm feature
- NEW Shearwater Petrel 3 primary display
- Optional Shearwater NERD 2 replaces Petrel 3 as primary display

### FATHOM Gemini CCR (includes the following)

\$8,195

### Upgrades

- Latchless heads, canister, and bottoms
- 4.8 lb (2.2 kg) dual axial scrubbers
- 4.5 or 6 L backmounted counterlung
- Dual MAV/needle valve with QC-6 offboard gas connector
- Apeks DS4 oxygen first stage with OPV
- Delrin cap & stronger spring in oxygen first stage
- 400 psi WP hoses, viton o-rings & 316 SS hardware
- 3 oxygen sensors
- Dwyer flow meter
- NEW Heads Up Display (HUD)
- NEW Shearwater Petrel 3 primary display with 4-pin AK cable
- DSV

- Shearwater NERD 2 with 4-pin AK cable (replaces Petrel 3) \$655
- Shrimp BOV \$500
  - › 30" regulator hose
  - › 120 degree hose connector
- Faber 2L with valve \$295
- Razor 4 Sidemount System Basic \$739

### Spares & Extras

- O-ring kit \$39
- Spares kit (includes the following) \$154
  - › Oxygen sensor
  - › Mushroom valve
  - › Loop hose
  - › 2032 Lithium battery

### Not Included

- Sidemount harness
- Cylinders

\*All prices are in US dollars.