2015 APEKS CATALOGUE

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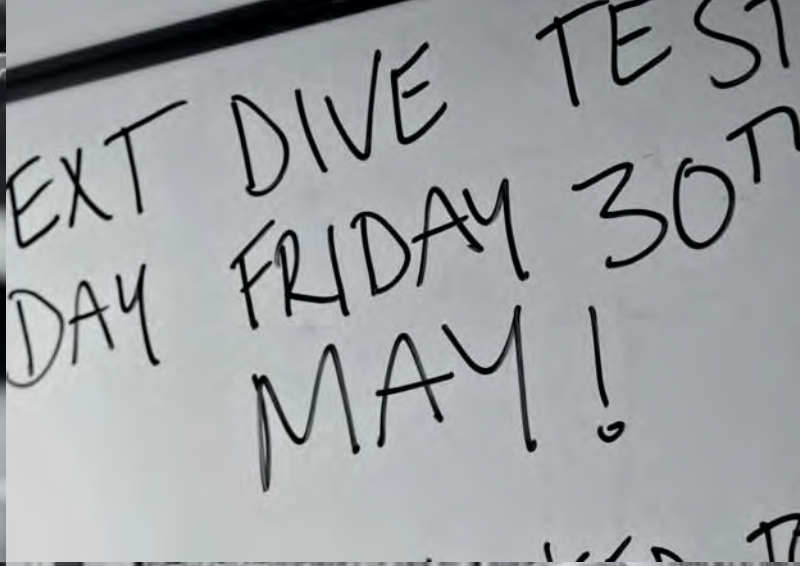
CONTENTS

THE 2015 APEKS COLLECTION	7
REGULATORS	11
GAUGES	29
BOUYANCY CONTROL DEVICES	33
CYLINDER VALVES	49
CYLINDER BANDS	53
SPOOLS AND LINE MARKERS	57
FINS	61
DRY WEAR	65
DRY BAGS	73
DIVE WATCHES	77

Image: Fiona Walker



Images: Fiona Walker

WHERE THE ENVIRONMENT DEMANDS

APEKS COMMANDS

Apeks Marine Equipment Ltd began manufacturing 40 years ago with one goal - to make the best diving equipment in the world.

Our strengths in design, development and engineering craftsmanship produce equipment of such a high standard that they are now the benchmark others strive for. We make more regulators for UK divers than any other manufacturer and export more than 85% of our equipment around the globe.

Synonymous with extreme diving, Apeks products are pushed to the max by technical divers around the world. From caves to wrecks, extreme cold water to the darkest depths, Apeks regulators out-perform and exceed recognised standards in diving.

The full range of Apeks dive equipment, which now includes regulators, bladders, instruments and accessories, has been adopted by technical divers around the world. Apeks equipment is being used to explore some of the most advanced dive environments on earth. Because when the environment demands, only one thing matters; that your dive kit is designed, developed and tested to keep you safe and comfortable.

Image: diversofthedark.com

NEW!

KVR1 DRYSUIT

Page 66

NEW!

WTX D45 TWIN

Page 36

TEK3

Page 15

NEW!

LIFELINE SPOOLS AND LINEMARKERS

Page 58

NEW!

RK3 FIN

Page 63

NEW!

TWIN MANIFOLD AND CYLINDER BANDS

Page 51 & 54

NEW!

DRY-SERIES BAGS

Page 74

Image: Jason Brown - www.bardophotographic.com

apeks
BLACK
SHADOWLINE

EN250:2014 INCLUDING ANNEX A

Apeks regulators are some of the safest around and regularly top independent tests for build quality, ease of breathing and their performance in extreme conditions, whether that be depth or temperature.

The Apeks XTX range of regulators are the world's first regulators designed to exceed the European standard in Auxiliary Emergency Breathing Systems. More officially known as EN250:2014 including annex A, it's a bit of a mouthful. But it's important.

An Auxiliary Emergency Breathing System (commonly known as an Octopus or alternate air source when connected to the primary regulator) is a fundamental part of any diver's kit, providing an emergency backup demand valve in case of primary demand valve failure and acting as an alternative source of air for a dive buddy.

The new standard only requires an alternate air source to be tested to 30 metres (98ft).

Apeks recognises that emergencies can happen beyond these limits and we are the first regulator manufacturer in the world to design, have independently tested and be awarded CE approval for alternate air source products which far exceed the minimum requirements of EN250:2014 including Annex A.

This means that an Apeks alternate air source matches the performance of the primary demand regulator that it is intended to work with, tested to depths of 50 metres (164ft) and in water temperatures below 10°C (50°F) where stated.

You can be confident that in an emergency or an out of air situation, your Apeks regulator can cope with the extra demand of your buddy breathing from your alternate air source and safely supply air to you both.

Image: Adam Hanlon

Image: Brett Thorpe

Image: diversofthedark.com

NORSOK ACCREDITATION

You are at 200 metres on a wreck. Then again you might not be, but it's nice to know that Apeks regulators are extensively tested to perform at those depths and beyond.

The NORSOK Standard U-101 accreditation is a demanding standard that was devised for equipment used by commercial divers in the petroleum industry. The regulators are tested to 200m using a Heliox gas blend.

Apeks makes three of only four regulators in the world that meet the NORSOK standard, the TEK3, XTX200 and XTX50. So whether you are at 20m or 200m, you know which brand you can trust.

SIDEMOUNT REGULATOR KIT

The Apeks sidemount regulator kit delivers the necessary hardware and accessories for sidemount diving, along with two award-winning XTX50 regulators.

KIT CONTENTS:

- 2 ea. XTX50 DIN regulators using the DST first stage with a swivel turret and 5th port.
- One XTX50 has a 210cm hose.
- One XTX50 has a 65cm hose.
- 2 ea. 20cm length MP inflation hoses (one for buoyancy system, one for drysuit).
- 2 ea. brass pressure gauges with 18cm hoses.
- 1 ea. 90° elbow fitting.
- 1 ea. bungee necklace.
- 1 ea. stainless steel bolt snap.
- 2 sets of short exhaust ports.
- Regulator bag to hold everything.
- Setup illustration, CD manual and a quick start guide.
- Suitable for cold water use (below 10c / 50F).

Connections	DIN only
Type of first stage	Over-balanced, environmentally sealed
Body type	Cylindrical, MP ports mounted on swivel turret
Number of HP ports	2 (7/16" UNF)
Number of MP ports	5 (3/8" UNF)
Environmental dry kit	Standard
First stage exterior	Chrome over marine brass

Orientation	Convertible LH or RH
Cold water use	Yes
Type of second stage	Pneumatically balanced
Opening effort control knob	Yes
Integrated Venturi lever	Yes
Mouthpiece	Comfo-bite™
Exhaust tee	Diver Changeable - comes with 2 sets

Heat exchanger for freezing resistance	Yes
Hose type	Braided flexi-hose
Overall work of breathing (WOB) scores	Avg. 0.70 joules/litre
Submersible pressure gauges	Nickel plated brass housings
Gauge face	Anti-splinter polycarbonate
Over-pressure relief on back	Yes

TEK3 REGULATOR SET

Apeks has developed unique first stages specifically for use on a twinset. Each first stage has three medium pressure ports and one high pressure port. They are hydrostatically over-balanced, cold water compatible and extremely robust. The TEK3 is equally suitable for single cylinder or stage cylinder configurations, offering perfect snag-free hose positioning.

For those that already own two Apeks regulators, the TEK3 set is also available without second stages.

- Set includes two XTX50 second stages (the set can be used with all XTX second stages).
- The TEK3 utilizes all of the proven technology contained within the Apeks range of first stage regulators.
- Incorporates three medium pressure 3/8" UNF ports and one high pressure 7/16" UNF port. The ports are arranged so as to give a neat streamlined hose configuration as desired by the technical diver.
- Allows maximum unrestricted accessibility to the cylinder valves when using a twin cylinder set up.
- Only available in DIN fitting and Nitrox M26 connection.
- Suitable for cold water use (below 10c / 50F).

Connections	DIN only
Type of first stage	Over-balanced, environmentally sealed
Body type	Compact, solid one piece body
Number of HP ports	1 (7/16" UNF)
Number of MP ports	3 (3/8" UNF)
Environmental dry kit	Standard
First stage exterior	Chrome over marine brass

Orientation	Convertible LH or RH
Cold water use	Yes
Type of second stage	Pneumatically balanced
Opening effort control knob	Yes
Integrated Venturi lever	Yes
Mouthpiece	Comfo-bite™
Exhaust tee	Diver Changeable - comes with 2 sets

Heat exchanger for freezing resistance	Yes
Hose type	Braided flexi-hose
Overall work of breathing (WOB) scores	Avg. 0.70 joules/litre

NEW FOR 2015!

APEKS BLACK SAPPHIRE

The Black Sapphire is a piece of Apeks diving history, a limited-edition anniversary regulator celebrating 40 years of technical excellence and precision-engineering.

With new styling across both the first and second stages, the Black Sapphire features a precision-machined aircraft grade anodised metal front cover, which retains the crafted machining marks created during its production. The first stage has a super-tough and luxurious Physical Vapour Deposition (PVD) coating and features five ports as standard to allow for flexible hose routing.

- Available in Yoke or DIN configuration.
- Precision-machined and aircraft grade anodised metal front cover.
- Luxury hard-wearing PVD finish on the first stage.
- 5 ports with heat exchanger as standard.
- Reversible second stage can be converted from a right-handed hose configuration to a left-handed hose configuration and can mount to either side of the first stage.
- The carbon-coloured hose features a swivel joint on both the first and second stage for maximum comfort and range of movement.
- Hydrostatic over-balancing first stage allows the medium pressure air in the hose to increase at a rate faster than ambient pressure, resulting in superior performance at depth.
- Comes as standard with an environmental dry seal kit which keeps water and contaminants out as well as making the model more resistant to freezing.
- Features the innovative Diver Changeable Exhaust (DCE) system allowing the diver to change from a large air exhaust to a smaller air exhaust. The larger exhaust provides the best exhaust bubble dispersion while the smaller exhaust is lightweight and compact. Both are included with the regulator.
- A two-stage progressive dual purge to allow the diver to choose the flow rate of the purge.
- The pneumatically balanced second stage has diver-adjustable controls that allow the diver to individually tailor the breathe of the regulator to meet his or her needs.
- Suitable for cold water use (below 10c / 50F).

Connections	DIN and Yoke
Type of first stage	Over-balanced, environmentally sealed
Body type	One piece forged body
Number of HP ports	2 (7/16" UNF)
Number of MP ports	5 (3/8" UNF)
Environmental dry kit	Standard
First stage exterior	Physical Vapor Deposition (PVD) Coating

Orientation	Convertible LH or RH
Cold water use	Yes
Type of second stage	Pneumatically balanced
Opening effort control knob	Yes
Integrated Venturi lever	Yes
Mouthpiece	Comfo-bite™
Exhaust tee	Diver Changeable - comes with 2 sets

Heat exchanger for freezing resistance	Yes, plus 5th port heat exchanger as standard
Hose type	Braided flexi-hose
Overall work of breathing (WOB) scores	Avg. 0.70 joules/litre

TUNGSTEN XTX

The XTX Tungsten is the flagship of the XTX range. It is built on the XTX200 platform but it is protected with a hard, durable PVD (Physical Vapour Deposition) finish. This tough-as-nails finish is better than traditional chrome plating and is made of high quality grades of Titanium, Zirconium and Chromium. The result is not only rich, but protects your investment from normal diving abuse.

- Uses the FSR first stage.
- PVD finish.
- Optional 5th port with heat exchanger.
- All medium pressure ports are now 3/8" so that the reversible second stage can mount to either side of the first stage.
- Hydrostatic over-balancing first stage allows the medium pressure air in the hose to increase at a rate faster than ambient pressure resulting in superior performance.
- Comes standard with an environmental dry kit which keeps water and contaminants out as well as makes the model more resistant to freezing.
- Features the innovative Diver Changeable Exhaust (DCE) system allowing the diver to change from a large exhaust tee to a smaller exhaust tee. The larger exhaust tee provides the best exhaust bubble dispersion while the smaller tee is lighter weight and compact, both are included with the regulator.
- Can be converted from a right-handed hose configuration to a left-handed configuration.
- Two-stage progressive dual purge.
- The pneumatically balanced second stage has diver-adjustable controls that allow the diver to individually tailor the breathe of the regulator to meet each dive's needs.
- The ergonomic venturi lever has been designed to reduce the amount of grit ingress.
- Available in yoke or DIN configuration.
- Suitable for cold water use (below 10c / 50F).

Connections	DIN and Yoke
Type of first stage	Over-balanced, environmentally sealed
Body Type	One piece forged body
Number of HP ports	2 (7/16" UNF)
Number of MP ports	4 with 5th port option (3/8" UNF)
Environmental dry kit	Standard
First stage exterior	Physical Vapor Deposition (PVD) Coating

Orientation	Convertible LH or RH
Cold water use	Yes
Type of second stage	Pneumatically balanced
Opening effort control knob	Yes
Integrated Venturi lever	Yes
Mouthpiece	Comfo-bite™
Exhaust tee	Diver Changeable - comes with 2 sets

Heat exchanger for freezing resistance	Yes
Hose type	Braided flexi-hose
Overall work of breathing (WOB) scores	Avg. 0.70 joules/litre

XTX200

The XTX200 is the definitive blend of style and high performance. Every detail has been carefully designed to offer a high quality piece of equipment.

- Uses the FSR first stage.
- Chrome finish.
- Optional 5th port with heat exchanger.
- Removable seat valve.
- All medium pressure ports are now 3/8" so that the reversible second stage can mount to either side of the first stage.
- Hydrostatic over-balancing first stage allows the medium pressure air in the hose to increase at a rate faster than ambient pressure resulting in superior performance.
- Comes standard with an environmental dry kit which keeps water and contaminants out as well as makes the model more resistant to freezing.
- Features the innovative Diver Changeable Exhaust (DCE) system allowing the diver to change from a large exhaust tee to a smaller exhaust tee. The larger exhaust tee provides the best exhaust bubble dispersion while the smaller tee is lighter-weight and compact, both are included with the regulator.
- Can be converted from a right-handed hose configuration to a left-handed configuration.
- Two-stage progressive dual purge.
- The pneumatically balanced second stage has diver-adjustable controls that allow the diver to individually tailor the breathe of the regulator to meet each dive's needs.
- The ergonomic venturi lever has been designed to reduce the amount of grit ingress.
- Available in yoke or DIN configuration.
- Suitable for cold water use (below 10c / 50F).

Connections	DIN and Yoke
Type of first stage	Over-balanced, environmentally sealed
Body type	One piece forged body
Number of HP ports	2 (7/16" UNF)
Number of MP ports	4 with 5th port option (3/8" UNF)
Environmental dry kit	Standard
First stage exterior	Chrome over marine brass

Orientation	Convertible LH or RH
Cold water use	Yes
Type of second stage	Pneumatically balanced
Opening effort control knob	Yes
Integrated Venturi lever	Yes
Mouthpiece	Comfo-bite™
Exhaust tee	Diver Changeable - comes with 2 sets

Heat exchanger for freezing resistance	Yes
Hose type	Braided flexi-hose
Overall work of breathing (WOB) scores	Avg. 0.70 joules/litre

XTX100

The XTX100 shares the same technical features as the XTX200 and offers exceptional performance.

- Uses the FST type first stage.
- Satin finish.
- Optional 5th port with heat exchanger.
- All medium pressure ports are now 3/8" so that the reversible second stage can mount to either side of the first stage.
- Hydrostatic over-balancing first stage allows the medium pressure air in the hose to increase at a rate faster than ambient pressure resulting in superior performance.
- Comes standard with an environmental dry kit which keeps water and contaminants out as well as makes the model more resistant to freezing.
- Features the innovative Diver Changeable Exhaust (DCE) system allowing the diver to change from a large exhaust tee to a smaller exhaust tee. The larger exhaust tee provides the best exhaust bubble dispersion while the smaller tee is lighter weight and compact, both are included with the regulator.
- Can be converted from a right-handed hose configuration to a left-handed configuration.
- Two-stage progressive dual purge.
- The pneumatically balanced second stage has diver-adjustable controls that allow the diver to individually tailor the breathe of the regulator to meet each dive's needs.
- The ergonomic venturi lever has been designed to reduce the amount of grit ingress.
- Available in yoke or DIN configuration.
- Suitable for cold water use (below 10c / 50F).

Connections	DIN and Yoke
Type of first stage	Over-balanced, environmentally sealed
Body type	One piece forged body
Number of HP ports	2 (7/16" UNF)
Number of MP ports	4 with 5th port option (3/8" UNF)
Environmental dry kit	Standard
First stage exterior	Satin chrome over marine brass

Orientation	Convertible LH or RH
Cold water use	Yes
Type of second stage	Pneumatically balanced
Opening effort control knob	Yes
Integrated Venturi lever	Yes
Mouthpiece	Comfo-bite™
Exhaust tee	Diver Changeable - comes with 2 sets

Heat exchanger for freezing resistance	Yes
Hose type	Braided flexi-hose
Overall work of breathing (WOB) scores	Avg. 0.70 joules/litre

XTX50

The XTX50 is for the diver who wants the benefits of a feature-rich regulator at a moderate price.

- Uses the DST first stage with four medium-pressure ports all mounted on a rotating turret. This results in optimal hose routing while eliminating sharp bends in the hose.
- Optional 5th port.
- All medium pressure ports are now 3/8” so that the reversible second stage can mount to either side of the first stage.
- Hydrostatic over-balancing first stage allows the medium pressure air in the hose to increase at a rate faster than ambient pressure resulting in superior performance.
- Comes standard with an environmental dry kit which keeps water and contaminants out as well as makes the model more resistant to freezing.
- Features the innovative Diver Changeable Exhaust (DCE) system allowing the diver to change from a large exhaust tee to a smaller exhaust tee. The larger exhaust tee provides the best exhaust bubble dispersion while the smaller tee is lighter weight and compact, both are included with the regulator.
- Can be converted from a right-handed hose configuration to a left-handed configuration.
- Two-stage progressive dual purge.
- The pneumatically balanced second stage has diver-adjustable controls that allow the diver to individually tailor the breathe of the regulator to meet each dive’s needs.
- The ergonomic venturi lever has been designed to reduce the amount of grit ingress.
- Available in yoke or DIN configuration.
- Suitable for cold water use (below 10c / 50F).

Connections	DIN and Yoke
Type of first stage	Over-balanced, environmentally sealed
Body type	MP ports mounted on swivel turret
Number of HP ports	2 (7/16” UNF)
Number of MP ports	4 with 5th port option (3/8” UNF)
Environmental dry kit	Standard
First stage exterior	Chrome over marine brass

Orientation	Convertible LH or RH
Cold water use	Yes
Type of second stage	Pneumatically balanced
Opening effort control knob	Yes
Integrated Venturi lever	Yes
Mouthpiece	Comfo-bite™
Exhaust tee	Diver Changeable - comes with 2 sets

Heat exchanger for freezing resistance	Yes
Hose type	Braided flexi-hose
Overall work of breathing (WOB) scores	Avg. 0.70 joules/litre

XTX40

The XTX40 is a mid-range Apeks regulator, classed as a high-performance regulator in independent reviews. The XTX40 comes with all the features of our highly successful XTX50 with the exception of diver adjustable breathing resistance control.

- Uses the DST first stage with four medium-pressure ports all mounted on a rotating turret. This results in optimal hose routing while eliminating sharp bends in the hose.
- Optional 5th port.
- The pneumatically balanced second stage has left/right reversibility and a Diver Changeable Exhaust (DCE) system.Only the compact exhaust tee is supplied.
- Integrated venturi control.
- Suitable for cold water use (below 10c / 50F).

Connections	DIN and Yoke
Type of first stage	Over-balanced, environmentally sealed
Body type	MP ports mounted on swivel turret
Number of HP ports	2 (7/16" UNF)
Number of MP ports	4 with 5th port option (3/8" UNF)
Environmental dry kit	Standard
First stage exterior	Chrome over marine brass

Orientation	Convertible LH or RH
Cold water use	Yes
Type of second stage	Pneumatically balanced
Opening effort control knob	No
Integrated Venturi lever	Yes
Mouthpiece	Comfo-bite™
Exhaust tee	Diver Changeable - supplied with small exhaust tee only

Heat exchanger for freezing resistance	Yes
Hose type	Braided flexi-hose
Overall work of breathing (WOB) scores	Avg. 0.85 joules/litre

ATX40 (WITH DS4 FIRST STAGE)

A fully balanced regulator, first and second stage, at an entry level price.

- High performance regulator that boasts an over-balanced first stage with a pneumatically balanced second stage.
- Four medium pressure ports and one high pressure port.
- The first stage is dry sealed keeping all internal components protected from the environment.
- The 2nd stage uses a pneumatically balanced valve system for excellent breathing.
- Due to the ATX 40 high efficiency heat exchanger system, it can cope with even the coldest conditions without freezing, making it the perfect all around regulator.
- The ATX40 has an ergonomically designed control for the venturi that enables you to control the airflow within the second stage at the turn of a lever.
- Suitable for cold water use (below 10c / 50F).

Connections	DIN and Yoke
Type of first stage	Balanced diaphragm design
Body type	Cylindrical without rotating turret (US4 type)
Number of HP ports	1 (7/16" UNF)
Number of MP ports	4 (3/8" UNF)
Environmental dry kit	Standard
First stage exterior	Chrome over marine brass

Orientation	Convertible LH or RH
Cold water use	No
Type of second stage	Pneumatically balanced
Opening effort control knob	No
Integrated Venturi lever	Yes
Mouthpiece	Comfo-bite™
Exhaust tee	Not Diver Changeable - supplied with small exhaust tee only

Heat exchanger for freezing resistance	No
Hose type	Braided flexi-hose
Overall work of breathing (WOB) scores	Avg. 1.00 joules/litre

XTX20 (WARM WATER ONLY)

This regulator has the performance of the XTX40, without the cold water features, it is well suited for warm water conditions and the price makes it exceptional value.

- Uses the UST first stage.
- Optional 5th port.
- The pneumatically balanced second stage has left/right reversibility and a Diver Changeable Exhaust (DCE) system. Only the compact exhaust tee is supplied.
- Integrated venturi control.
- Designed for water above 10º C (50º F).

AT20 (WARM WATER ONLY)

The AT20 is the predecessor to the XTX20. We brought it back to the Apeks line-up because it represents an excellent value. This is an ideal entry-level regulator that can spoil sport divers in a hurry.

- The first stage is a balanced diaphragm design
- The first stage has 1 high pressure port and 4 medium pressure ports
- The 2nd stage uses a pneumatically balanced valve system for excellent breathing
- It is designed for water temperatures above 50°F (10°C)
- The AT20 has an ergonomically designed control for the venturi that enables you to control the airflow within the second stage at the turn of a lever
- Comes standard with the Comfo-bite mouthpiece for increased comfort

NITROX XTX200 (M26 CONNECTION)

Now you can get XTX technology in an oxygen model. This regulator is built for oxygen percentages up to 100%. This compatibility coupled with its excellent reliability make it the choice for technical divers doing high O2 percentage deco stops.

- Uses the FSR first stage.
- Optional 5th port with heat exchanger.
- Removable valve seat.
- All medium pressure ports are now 3/8" so that the reversible second stage can mount to either side of the first stage.
- Hydrostatic over-balancing first stage allows the medium pressure air in the hose to increase at a rate faster than ambient pressure resulting in superior performance.
- Comes standard with an environmental dry kit which keeps water and contaminants out as well as makes the model more resistant to freezing.
- Can be converted from a right-handed hose configuration to a left-handed configuration.
- Two-stage progressive dual purge.
- The pneumatically balanced second stage has diver-adjustable controls that allow the diver to individually tailor the breathe of the regulator to meet each dive's needs.
- The ergonomic venturi lever has been designed to reduce the amount of grit ingress.
- Available in yoke or DIN configuration.
- Suitable for cold water use (below 10c / 50F).

NITROX XTX100 (M26 CONNECTION)

Sharing the same technical features with the Nitrox XTX 200, the Nitrox XTX 100 offers exceptional performance.

- Uses the FST type first stage.
- Optional 5th port with heat exchanger.
- All medium pressure ports are now 3/8" so that the reversible second stage can mount to either side of the first stage.
- Hydrostatic over-balancing first stage allows the medium pressure air in the hose to increase at a rate faster than ambient pressure resulting in superior performance.
- Comes standard with an environmental dry kit which keeps water and contaminants out as well as makes the model more resistant to freezing.
- Can be converted from a right-handed hose configuration to a left-handed configuration.
- Two-stage progressive dual purge.
- The pneumatically balanced second stage has diver-adjustable controls that allow the diver to individually tailor the breathe of the regulator to meet each dive's needs.
- The ergonomic venturi lever has been designed to reduce the amount of grit ingress.
- Available in yoke or DIN configuration.
- Suitable for cold water use (below 10c / 50F).

NITROX XTX50 (M26 CONNECTION)

The Nitrox XTX50 regulator is for the diver who wants the benefits of a feature-rich regulator at a moderate price.

- Uses the DST first stage with four medium-pressure ports all mounted on a rotating turret. This results in optimal hose routing while eliminating sharp bends in the hose.
- Optional 5th port.
- All medium pressure ports are now 3/8" so that the reversible second stage can mount to either side of the first stage.
- Hydrostatic over-balancing first stage allows the medium pressure air in the hose to increase at a rate faster than ambient pressure resulting in superior performance.
- Comes standard with an environmental dry kit which keeps water and contaminants out as well as makes the model more resistant to freezing.
- Can be converted from a right-handed hose configuration to a left-handed configuration.
- Two-stage progressive dual purge.
- The pneumatically balanced second stage has diver-adjustable controls that allow the diver to individually tailor the breathe of the regulator to meet each dive's needs.
- The ergonomic venturi lever has been designed to reduce the amount of grit ingress.
- Available in yoke or DIN configuration.
- Suitable for cold water use (below 10c / 50F).

NITROX XTX40 (M26 CONNECTION)

Although the Nitrox XTX 40 is a mid-range Apeks regulator, it is still classed as a high performance regulator in independent reviews. The Nitrox XTX 40 comes with all the features of our highly successful Nitrox XTX 50 with the exception of diver adjustable breathing resistance control.

- Uses the DST first stage with four medium-pressure ports all mounted on a rotating turret. This results in optimal hose routing while eliminating sharp bends in the hose.
- Optional 5th port.
- Integrated venturi control.
- Suitable for cold water use (below 10c / 50F).

XTX50 OCTOPUS

- This octopus is based on the XTX50 second stage.
- It includes left / right reversibility, cold water capability and the performance you would expect from an Apeks pneumatically balanced valve.
- Diver-adjustable venturi control and opening effort.
- The unit has a high visibility yellow front cover, yellow accent pieces and a 36” yellow hose.
- Suitable for cold water use (below 10c / 50F).

XTX40 OCTOPUS

- This octopus is based on the XTX40 second stage.
- It includes left / right reversibility, cold water capability and the performance you would expect from an Apeks pneumatically balanced valve.
- Diver-adjustable venturi control.
- The unit has a high visibility yellow front cover, yellow accent pieces and a 36” yellow hose.
- Suitable for cold water use (below 10c / 50F).

ATX40 OCTOPUS

- The ATX40 octopus is smaller and 25% lighter than its predecessor. This results in less jaw fatigue and less drag.
- This pneumatically balanced octopus is ideally suited for an over-balanced Apeks first stage.
- The diver has full control of the venturi by means of a lever so as to prevent accidental freeflow when the octopus is not being used.
- The excellent cold water performance of this octopus is due to the highly efficient heat exchanger on the second stage.
- High visibility 36” yellow hose and high visibility yellow cover.
- Suitable for cold water use (below 10c / 50F).

EGRESS OCTOPUS

Innovative, low profile design minimizes drag. The pneumatically balanced valve provides superior performance for an alternate air source.

- Unique 120˚ angle between the mouthpiece and the hose, which is ideal for sharing air with your buddy.
- Breathes smoothly when positioned right side up or upside down.
- High visibility 36" yellow hose distinguishes your Egress hose from your primary hose and is easily spotted in the event of an out-of-air emergency.
- Suitable for cold water use (below 10c / 50F).

XTX20 OCTOPUS

- This octopus is based on the XTX20 second stage.
- It includes left / right reversibility and the performance you would expect from an Apeks pneumatically balanced valve.
- Diver-adjustable venturi control.
- The unit has a high visibility yellow front cover, yellow accent pieces and a 36" yellow hose.
- Designed for water temperatures above 50º F (10º C).

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Image: Fiona Walker

ANALOG INSTRUMENTS

Apeks instruments supply clear and accurate information on your dive status. Our instruments are tested beyond normal dive limits to ensure they provide this precise information for all your dive experiences. Strong, easy to maintain housings provide years of trouble free service. Our gauges and gauge consoles are designed and finished at our UK factory ensuring that every aspect reflects our commitment to quality. The gauges are stylish and fit perfectly with other products in the Apeks range. All consoles are available in Pewter or Pink.

CONTENTS GAUGE CONSOLE

- The slim-line gauge case is made from nickel plated brass.
- Large loop area designed into the housing for ease of attachment.
- The dial range is from 0 to 360 bar.
- Uncluttered, with large black figures on a luminous background giving a long phosphorescent effect.
- Made with O2 compatible materials but be sure to O2 clean before use with high percentage oxygen.
- The dial window is made of highly shock resistant material (anti-splinter Polycarbonate).
- Over pressure relief fitted in the back.

CONTENTS GAUGE + COMPASS CONSOLE

- Contents gauge above plus a compass.
- This unique compass is designed for ease of reading and diver comfort. For example, there are two viewing windows so the unit can be set up for left or right handed use at an angle which is set as the natural extension of the arm. This means divers do not have to twist their wrist into an unnatural shape to view compass readings.
- The ratchet bezel is robust and can be rotated with ease even with thick neoprene gloves.
- The numbers and directions on the bezel are large and very easy to read.

CONTENTS GAUGE + DEPTH GAUGE CONSOLE

- Contents gauge details above plus a depth gauge.
- Dials have a long phosphorescent effect for better reading in poor visibility conditions.
- There are 2 attachment areas integrated into the design for position flexibility.
- This may be a compact design but the displays are vivid and clear - perfect for diving. For example, the depth gauge spreads the first half of the scale and in total shows a range down to 70 metres.
- Depth gauge has resettable max depth indicator.
- Made with high shock-resistant windows.

Back view

CONTENTS GAUGE + DEPTH GAUGE CONSOLE + COMPASS

- See specifics on each individual instrument above.
- All instruments give accurate, clear readings and are made from the best quality build materials. As such they offer perfect functionality and excellent robustness.

Image: Fiona Walker

apeks

APEKS WTX AND WTX-D SERIES

The WTX and WTX-D Series is a selection of harnesses, buoyancy cells and accessories which offer unparalleled versatility due to the modular nature of the whole system. Each component can be configured into a highly technical rig for those trained to push the limits, or scaled down to make a travel friendly set up suitable for any diver.

Each product has been carefully designed by the Apeks' engineering team in conjunction with some of the most accomplished technical divers in the world. Each component has undergone extensive field-testing to make sure the design is right. The materials were selected for strength and durability and the result is a product that technical divers can have complete confidence in.

Images: Fiona Walker

CONFIGURING YOUR KIT

We know that each diver is different and that no two divers require exactly the same kit configuration. The WTX and WTX-D series allows you to put your equipment together your way, taking items from the range and mixing and matching them to create a rig that's all yours. Here are just some of the options:

PICK YOUR HARNESS / BACKPLATE

SELECT YOUR STYLE OF WING

CHOOSE YOUR ACCESSORIES

DECIDE ON THE MOUNT

NEW FOR 2015!

WTX-D TWIN CYLINDER DONUT WINGS

- Wings specifically designed for twin tanks.
- Very streamlined because they are compact.
- They offer optimum balance and are very stable.
- They do not wrap around the tank (taco), unlike larger wings.
- Rugged, durable heavy duty materials and hardware.
- Fondly referred to as “donuts” due to their shape.

Inflator - K style with brass buttons

- Low profile oval-shaped hose.
- Safety cable to prevent hyperextension.
- Positioned off-centre so as to not interfere with first stage.

Dump Valve

- Low profile flat valve.
- Positioned in front, lower-left side.
- Tank stabilizer bars.

Drains

- 2 large drain grommets.
- Centre mesh drain panel.

WTX-D45

45lbs lift

WTX-D60

60lbs lift

WTX-D60R

60lbs lift

This redundant system contains two inner cells in one outer bag. Either cell is capable of generating 60 lbs of lift when it is full. Dive with peace of mind knowing that you're carrying a redundant system.

Two inflators - K style with brass buttons

> Low profile oval-shaped hose.
> Safety cable to prevent hyperextension.
> Positioned off-centre so as to not interfere with first stage.

Dump Valve

> Low profile flat valve.
> Positioned in front, lower-left side.
> Tank stabilizer bars.

Drains

> 2 large drain grommets.
> Centre mesh drain panel.

WTX-D SINGLE CYLINDER DONUT WINGS

SINGLE TANK WINGS (DONUTS)

- Narrow wings specifically designed for single tanks.
- Very streamlined and compact.
- They offer optimum balance and are very stable.
- They do not wrap around the tank (taco) as larger wings will often do.
- Rugged, durable heavy duty materials and hardware.
- Fondly referred to as “donuts” due to their shape.

Inflator - K style with brass buttons
- Low profile oval-shaped hose.
- Safety cable to prevent hyperextension.
- Positioned off-centre so as to not interfere with first stage.

Dump Valve
- Low profile flat valve.
- Positioned in front, lower-left side.
- Tank stabilizer bars.

Drains
- 2 large drain grommets.
- Centre mesh drain panel.

WTX-D18

18lbs lift

WTX-D30

32lbs lift

WTX-D40

40lbs lift

PUBLIC SAFETY DEVICE (PSD)

SINGLE TANK WINGS (DONUTS)

Designed for Public Safety divers, but a very practical and attractive option for all styles of diving, these 30 and 40 lb single cylinder wings boast all of the same features as the 30 and 40 lb single tank wings but are constructed from an Armoguard slick skin. This fast drying material is more abrasion resistant than traditional Cordura® and due to its slick nature it rinses easily and even if it is stored while damp it doesn't pick up bacterial growth or smells.

WTX-D30 PSD

32lbs lift

Inflator - K style with brass buttons
- > Low profile oval-shaped hose.
- > Safety cable to prevent hyperextension.
- > Positioned off-centre so as to not interfere with first stage.

Dump Valve
- > Low profile flat valve.
- > Positioned in front, lower-left side.
- > Tank stabilizer bars.

Drains
- > 2 large drain grommets.
- > Centre mesh drain panel.

WTX-D40 PSD

40lbs lift

Inflator - K style with brass buttons
- > Low profile oval-shaped hose.
- > Safety cable to prevent hyperextension.
- > Positioned off-centre so as to not interfere with first stage.

Dump Valve
- > Low profile flat valve.
- > Positioned in front, lower-left side.
- > Tank stabilizer bars.

Drains
- > 2 large drain grommets.
- > Centre mesh drain panel.

WTX WINGS

WTX3 BUOYANCY CELL

The WTX3 is the travel buoyancy cell designed for single cylinders.

- The WTX3 provides 32lbs of lift.
- The WTX3 can mate directly to the WTX harness.
- Single bag construction.
- The airway comes off of the back top centre of the cell. A safety cable inside the elliptical hose prevents hyperextension of the corrugated hose.
- Features the Apeks technical inflator with brass buttons.
- Pull dump on inside lower left.
- Optional pull dump may be added to the inside lower right.

WTX4 BUOYANCY CELL

The WTX4 can accept both twin and single cylinders.

- The WTX4 provides 45lbs of lift.
- The WTX4 can mate directly to the WTX harness or the stainless steel back plate using twin tank bands or using centre bolts.
- Highly efficient drains allow water to empty quickly after a dive.
- Outer bag constructed out of 1000D Armorshield™ Cordura® to resist abraision and fading.
- Inner bag constructed from mil-spec welded fabric, the same fabric used in survival vests worn by US fighter pilots.
- The airway comes off of the back top centre of the cell. A safety cable inside the elliptical hose prevents hyperextension of the corrugated hose.
- Features the Apeks technical inflator with brass buttons.
- Pull dump on inside lower left.
- Optional pull dump may be added to the inside lower right.
- Accepts WTX Internal Retractor Kit.

WTX INTERNAL RETRACTOR KIT

- Can be installed on WTX4.
- Comes with full instructions.
- Consists of two retractor bands in a bag.

AIRWAY COMPLETE

- High performance inflator with excellent flow rates.
- Simple design creates a dependable and easy serviced airway.
- Rugged housing with solid brass buttons.
- Elliptical hose for lower profile and less drag.
- An internal safety cable prevents hose from being hyperextended.
- Simple 90° elbow at the top.

WTX HARNESS

This is our most versatile harness. Solid construction coupled with durable materials make this harness a cornerstone for many applications.

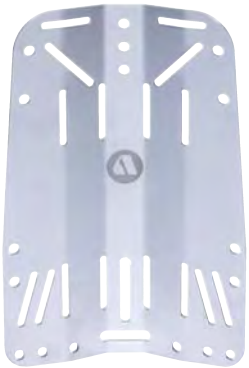
- Can mount directly to a single cylinder using dual nylon cylinder bands or a single tank adapter.
- Can accept an Apeks back plate for heavy loads such as twin steel cylinders.
- Multiple grommet settings on the waistband to allow the attachment of the SureLock™ weight system.
- Open shoulder design to allows the diver to add or remove hardware for total customisation.
- Made from rugged 1050D Ballistic Nylon.
- Removable crotch strap made of 2” (5cm) soft webbing.
- 6-two inch stainless steel D-rings (2, angled, on shoulders, 2 on the hips and 2 on the crotch strap).
- 6-one inch stainless steel D-rings along the sides accommodate light canisters, argon bottles or other accessories.
- 2-one inch stainless steel D-rings along the lower back are for marker buoys, reels or other accessories.
- Removable back pad.
- Heavy-duty waist buckle made of stainless steel.
- Stainless steel tri-loaders distribute the load between the back, waist and shoulders for a great fit.
- SOLAS reflector airway hold-downs can be removed or repositioned.
- Chest strap comes standard
- Includes 2ea. tank bands.

WTX DELUXE ONE-PIECE WEBBED HARNESS

This simple, yet strong, harness can take the load of a fully rigged technical diver. It can be easily customised with the hardware of your choice.

- 12’ of solid 2” (5cm) webbing with centre grommet
- 2” (5cm) wide crotch strap
- 6 stainless 2” (5cm) D-rings
- Includes neoprene shoulder protectors
- 2 elastic retaining loops on shoulders and one on crotch strap
- Heavy duty stainless waist buckle
- 6 stainless serrated retainers
- Please note tank bands and back plate are not included with the harness

*Back Plate NOT included with Deluxe Webbed Harness



WTX BACKPLATE STEEL OR ALUMINIUM

The backbone of any system - this cleverly designed back plate can be used with the webbed harness or inserted into the WTX Harness.

- Offered in either 304 stainless steel or 6061 anodised aluminium alloy.
- The stainless steel weighs approx 5 lbs (2.2 kg).
- The aluminium weighs approx 1 lb 11oz (753g) .
- Upper and lower slots accommodate nylon cylinder bands so a single cylinder can be strapped directly to the plate. Having a series of 4 slots provides lateral stability of the cylinder, which traditional 2 slot plates cannot.
- 3 holes at the top of the plate offer a range of height adjustments for the buoyancy cells and the cylinders. In addition, a corresponding lower centre slot allows for lower band bolts that are misaligned.
- 2” wide crotch strap slot.
- Upper and lower perimeter holes along either side and holes along the bottom allow for the mounting of accessories.
- Both offer an electro-plate finish and a laser-etched Apeks logo to enhance the look of the plate.

WTX SINGLE TANK ADAPTER (STA)

The single tank adapter is a great way to quickly attach a single cylinder to a back plate or the WTX harness.

- Made of 316 stainless steel.
- Weighs 1 lb. 1 oz. (490g) without hardware.
- Comes with 2 sets of bolts and one pair of washers and wing nuts.
- 1” bolts for directly mounting to back plate.
- 1.5” bolts for mounting to back plate inside WTX harness.
- Nylon tank bands are not included and may be purchased separately (p/n AP0851).

WTX ULTRALIGHT TRAVEL PLATE

- The Ultralight Travel Plate is ideal for those that like to travel with plate and wings.
- Paired with the WTX-D18 donut wing, it makes a very lightweight, streamlined kit.
- Requires the Deluxe One-Piece Webbed Harness.
- Can accept SureLock Weight System directly or by using SureLock Attachment plates.

WING AND HARNESS - SOME POSSIBLE CONFIGURATIONS

18lb donut with Ultralight Travel Plate, Deluxe One-Piece Webbed Harness, SureLock™ Attachments and SureLock™ Pockets.

30lb donut with aluminum back plate, Deluxe One-Piece Webbed Harness, SureLock™ Attachments and SureLock™ Pockets.

40lb donut with WTX Harness and SureLock™ Pockets.

SURELOCK™ ATTACHMENTS

This unique accessory allows you to mount the SureLock™ Weight System (Patented) directly to the WTX Harness, WTX Back Plate or the Ultralight Travel Plate.

- Includes necessary attachment hardware plus spares.
- May be used without the SureLock™ Weight System to spread the weight of the cylinders over the hips.
- 3 different grommet settings allow for proper positioning of the SureLock™ weight pockets.

SURELOCK™ WEIGHT SYSTEM

This popular accessory is ideal when you need to add additional weight to your rig.

- Bolts directly to the WTX Harness.
- Mounts to the back plate with use of SureLock™ attachments above.
- Includes necessary attachment hardware plus spares.
- 2” stainless adjustable D-rings on the outside of each pocket.
- Features the SureLock™ (patented) mechanical weight release buckles which prevent weights from releasing until you want them to.
- Each pocket holds up to 10 lbs (4.5kg) of lead.
- Includes attachment grommets to mount a range of Aqua Lung Squeeze Lock knives.

WTX POCKETS

- A range of pockets to suit every requirement.
- A small mesh pocket (A) for spare mask / SMB.
- A small cargo pocket (B) with hook and loop fastener.
- A large zippered (C) cargo pocket.
- A large thigh pocket (D) with hook and loop fastener.
- The two small pockets can fix directly to the large cargo pocket using the optional nut and bolt kit.
- The pockets have a webbing loop for fixing to the BCD waist band.
- The large thigh pocket is adjustable to fit leg size and has an adjustable length loop for securing to BCD waistband.

BLACK ICE

The Black Ice is designed with the more serious recreational diver in mind. Designed to provide the comfort desired for daily diving and the features needed to take you to the edge, the Black Ice is ideal for the diver who does it all. The separately available twin cylinder kit converts your Black Ice for twin cylinder diving.

- Equipped with flat E valves on the right shoulder and lower rear right and left sides (fitted with easy grip pull dumps). Flat E Valves are extremely streamlined with a one way design to keep water out.
- Two shoulder settings for true custom adjustments.
- Adjustable chest strap.
- 3 waistband settings.
- 3 bladder retractors.
- Wrapture Harness® System.
- 5 stainless steel D-rings.
- SOLAS reflector inflator retainer.
- Powerline inflator with internal dump cable.
- Innovative swivel shoulder buckles.
- Knife attachment points.
- Right hand large utility pocket.

Twin Cylinder Kit available separately

BC SIZE GUIDE

Size	Waist Range		Over The Shoulder Range
	WTX Harness Only	WTX Harness w/ SureLock Wt System	Measured from centre of waistband front to centre of waistband back
SM	29-60in / 74-152cm	33-60in / 84-152cm	34-43in / 86-109cm
MD	29-60in / 74-152cm	33-60in / 84-152cm	36-45in / 91-114cm
LG	32-60in / 81-152cm	36-60in / 91-152cm	40-49in / 102-125cm
XL	34-60in / 86-152cm	38-60in / 97-152cm	42-51in / 107-130cm

Image: diversofthedark.com

TEK
TEK

ENTRY-LEVEL CYLINDER VALVE

This low-cost entry level valve is a no-frills workhorse valve suitable for the diver that will only dive 232 bar and isn't looking for a valve that can convert to twin manifold use.

- One piece forging.
- 232bar DIN / Yoke convertible.
- DIN insert supplied fitted to valve.
- Spare O ring for regulator connection stored in hand wheel.
- M25 neck thread.

CYLINDER VALVE

- One piece forging.
- Available in 232bar DIN / Yoke convertible, 300bar DIN, 300bar M26 Nitrox.
- Available in left and right hand configuration.
- Ideal for sidemount cylinders due to manifold post.
- Soft grip, shock resistant handwheel with metal insert for square drive mechanism.
- Brass debris tube.
- M25 neck thread (NPSM and G 3/4 versions available on request).
- Spare O ring for regulator connection stored in hand wheel.
- Future proofed valves - can be incorporated into a manifold if required.
- High quality finish.
- Robust design.
- Proven track record on internal parts.
- Unparalleled smooth action.

TWIN OUTLET

- Twin outlet cylinder valve for mounting two first stages to a single cylinder.
- 232bar DIN / Yoke convertible.
- DIN insert supplied fitted to valve.
- Spare O ring for regulator connection stored in hand wheel.
- M25 neck thread.
- 2nd outlet can rotate through 360 degrees.

TWIN MANIFOLD

- Available in 232bar DIN(G5/8") / Yoke convertible, 300bar DIN (G5/8"), 300bar M26 Nitrox.
- Soft grip, shock resistant handwheel with metal insert square drive mechanism.
- Available with or without central isolator valve.
- Brass debris tube.
- M25 neck thread (NPSM and G 3/4 versions available on request).
- Available in 5.5", 7" and 8" centres to fit various cylinder sizes.
- 16mm range of width adjustment.
- Double O ring barrel seal.
- Spare O ring for regulator connection stored in hand wheels.
- High quality finish.
- Robust design.
- Proven track record on nickel plated internal parts.
- Unparalleled smooth open/close action.

GUN CHARGER VALVE

- M18, M25 & 7/8" UNF cylinder neck threads available.
- Available in 300bar DIN (G5/8").
- 1 piece forged cylinder valve.
- Simple to fit and maintain.
- High flow design.
- Soft grip shock resistant hand wheel with metal insert square drive mechanism.
- Nickel plated internal components for enhanced protection and smooth operation.
- Safety burst disks can be specified for valves.
- High quality chrome plated finish.
- Spare DIN insert O ring stored in hand wheel.
- Robust design.
- Integrated bleed valve.
- 40mm diameter HP gauge.

Image: diversofthedark.com

NEW FOR 2015!

APEKS TWIN CYLINDER BANDS

- Designed to complement the Apeks twin manifold and available in 3 different sizes.
- Constructed from EN 1.4404 stainless steel.
- Supplied in pairs with a fastening kit.
- 60mm wide.
- **Only suitable for Euro Cylinders.**

AP0486/S

- Manifold sizes: 5.5” Cylinder centres (154mm - 170mm)
- Band Sizes: 160mm centres
- Cylinder Diameter & Size: 140mm (7L)

AP0486/M

- Manifold Sizes: 7” Cylinder centres (177mm - 193mm)
- Band Sizes: 185mm centres
- Cylinder Diameter & Size: 171mm (10L, 12L)

AP0486/L

- Manifold Sizes: 8” Cylinder centres (216mm - 232mm)
- Band Sizes: 220mm centres
- Cylinder Diameter & Size: 204mm (12L Dumpy, 15L)

Material: Stainless Steel EN 1.4404 (316L)
Weight: 1.5 kg Max (fully packaged)

Image: diversofthedark.com

NEW FOR 2015!

APEKS LIFELINE SPOOLS

Inspired by technical diving and versatile enough to be used in a range of diving applications, the new LifeLine spool from Apeks features easy to grip flared sides to improve deployment and winding. Made from tough anodised aluminium alloy with high visibility line for low light conditions and with a super-tough leader and swivel as standard, the LifeLine is supplied with a bolt-snap, comes in three sizes/colours and is complemented by a range of line markers and cookies.

Available three sizes - Blue/45 metres, Green/30 metres and Purple/15 metres.

LINE MARKERS

Apeks offers a range of line markers including directional arrows, non-directional markers and cookie markers. Available in packs of five in white or orange, each marker comes with an optional reflective sticker that can be added by the diver.

Cookie Line Marker

Directional Line Marker

Non-Directional Line Marker

Image: diversofthedark.com

apeks
TECHNICALLY INSPIRED

APEKS

NEW FOR 2015!

RK3

Designed in collaboration with the US military and renowned for outstanding performance and reliability, the Apeks RK3 is a rugged thermoplastic rubber fin featuring an over-sized foot pocket to accommodate drysuit boots and a spring strap for easy donning and doffing.

FEATURES

- The design has been the standard gear issue fin for military, special ops, coast guard and public safety divers for decades.
- Traditional all rubber design.
- Short wide blade provides maximum forward thrust while maintaining great manoeuvrability.
- Vented blade design reduces resistance on the upstroke and enhances thrust on the downstroke.
- The vents also eliminate vortexes that can occur along the back of the blade much in the same way split fins eliminate the vortex.
- The blade material designed to hold up in the toughest environments, temperatures, and abuse.
- Two large grommet holes designed to fit most karabiner for easy storage of the fins while accessing the dive site.
- Spring straps as standard.
- Custom designed buckle holds spring straps in optimum position.
- Simple push pin design allows simple replacement of springs if necessary.

Image: diversofthedark.com

KVR1 DRYSUIT

Take your diving further with the new Apeks Fusion KVR1, a drysuit as tough as the environments you explore. Featuring a protective ballistic strength synthetic fibre skin, no other drysuit is as flexible yet robust as the Fusion KVR1.

With deep, expandable thigh pockets, dry glove attachments and an optional pee valve, this is the drysuit that will keep you comfortable for longer.

The KVR1 is supplied complete with a heat zip hood (details below) and dry bag for storage.

FEATURES
- Seams are mauser taped and 6 thread sewn for maximum stretch and durability.
- Includes 2 Twin-Zip expandable pockets.
- Super-tough ballistic strength synthetic fibre skin.
- SLT dry seal connections on both the wrists and the neck.
- If a wrist or neck seal becomes damaged it can be replaced by the user in the field, ideal for remote expeditions.
- Comes with dry bag, inflator hose and zipper wax.

Sizes
2XS/XS, S/M, L/XL, 2XL/3XL, 4XL+

*boots not included

HEAT ZIP HOOD

FEATURES
- 7mm neoprene side panels, 5mm forehead, and 3mm chin offers optimum warmth and supreme comfort while eliminating jaw fatigue.
- Zipper with sealing gusset and hook and loop tab at zip base allows easy donning and doffing.
- Side grips assist with mask retention.

THERMAL FUSION

The Thermal Fusion, a high performance diving undergarment, maximizes warmth and provides unrivalled flexibility and fit.

Thermal Core Technology is a unique, dual layer design, that allows the diver an unlimited range of motion, with a streamlined fit.

The first layer, a comfort cut thermal core constructed of Polartec 200 fleece, delivers superior warmth.

The second, outer layer, is a Polartec Power Stretch Pro compression skin which streamlines the inner core to the divers body, provides a custom fit, and allows maximum range of motion.

Thermal Core Technology is at the heart of the thermal Fusion, resulting in an undergarment that is unmatched in flexibility, fit and warmth.

MK0 UNDERSUIT

This one piece, bamboo fibre, base layer is ideal under any of our undergarments for excellent moisture wicking performance. The MK0 can also be worn as a stand alone layer in tropical conditions.

CONSTRUCTION

> Environmentally friendly production process.
> Additional elastic content results in extreme stretch for a better fit.

MATERIALS

> Breathable, moisture wicking, bamboo blended material.
> Antimicrobial.
> Odour resistant.
> Easy care.

Sizes
XS, S, M, L, XL, 2XL

KVR 1 DRYSUIT AND THERMAL FUSION UNDERSUIT SIZE GUIDE

		2XS/XS	SM/MED	LG/XL	2XL/3XL	4XL+
Height	Inch	5'1" - 5'5"	5'5" - 5'9"	5'9" - 6'1"	6'0" - 6'4"	6'0" - 6'10"
	Cm	155-165	165-175	175-185	183-193	183-208
Weight	Lbs	90-130	120-170	160-210	200-250	230-350
	Kg	41-59	55-77	73-95	91-114	105-160
Chest	Inch	30"- 37"	35"- 41"	39"- 45"	43"- 49"	45"- 58"
	Cm	76-94	89-105	99-114	109-125	114-148
Waist	Inch	22" - 31"	27" - 36"	31" - 40"	35" - 44"	41" - 58"
	Cm	56-799	69-91	79-102	89-112	104-147
Buttocks	Inch	27"- 36"	32" - 41"	36"- 45"	40"- 49"	46"- 58"
	Cm	69 - 91	81 - 104	91 -114	102 - 124	117 - 147
Crotch to Floor	Inch	26" - 29"	29" - 32"	30" - 33"	32" - 35"	33" - 38"
	Cm	66 - 74	74 - 81	76 - 84	81 - 89	84 - 97

APEKS TECH SHORT

Can be worn above a dry or a wet suit to create additional pocket space, or can be worn alone for use in warm water or for other aquatic activities.

- 1.5mm neoprene -small diamond lining outside, nylon inside.
- Easy adjustable waist band with 2 hook and loop flaps and adjustable strap with a quick release buckle.
- Big cargo pockets with expandable system, made in fabric to prevent the distortion of the shape.
- Grommets for fast drainage.
- D ring to secure accessories.
- Protective rubber prints on the back reduces friction damage while increasing grip, useful if used on a jet ski or RIB.
- Taped sewing on back and inside legs to prevent broken threads.
- Unisex model: 5 sizes from S to XXL.

FOOTWEAR

FUSION BOOTS

Designed to mate with the Apeks Fusion KVR1 drysuit, the two layer Fusion boot sets a new standard in drysuit comfort and performance.

Sizes: 5/6, 7, 8, 9, 10, 11, 12, 13/14

EVO3 BOOTS

The EVO3 boot was designed in conjunction with the military for use on slippery decks and running on wet rocky shores. The EVO3 boot mates with the Apeks Fusion KVR1 drysuit.

Sizes: 5/6, 7, 8, 9, 10, 11, 12, 13/14

3MM NEOPRENE SOCKS

The perfect medium-weight liner for temperate to cold conditions.
3mm Titanium neoprene for a comfortable fit.

Sizes 4/5, 6/7, 8/9, 10/11, 12/13, 14/15

DRY GLOVES

DRY GLOVE LOCK SYSTEMS

> Simple wrist ring installed on existing seals.
> Removable and replaceable.
> Inner ring compresses existing seal between outer wrist ring.

EZ-ON DRY GLOVES - BLACK

> Can be used with glove rings or simply stretch over wrist rings for a quick dry system.
> 40 mm glove is thicker than traditional rubber gloves.
> Black exterior with orange interior.
>

HEAT NEOPRENE GLOVES

> Warm, flexible and tough.

3 MM - 5 FINGER HEAT GLOVE

Sizes
XS, S, M, L, XL, 2XL

5 MM - 5 FINGER HEAT GLOVE

Sizes
XS, S, M, L, XL, 2XL
>
> 14" length is longer than traditional rubber gloves.
> Textured palm.

Image: diversofthedark.com

THE DRY-SERIES

If you need a workhorse in your dive kit, look no further than the new range of dry bags from Apeks. Tough, rugged and designed to haul equipment, the dry bags feature waterproof welded seams to ensure water doesn't get in – or out. Ideal for stashing wet kit post-dive or keeping personal possessions dry during a dive, you'll find the bags are at home in the wettest, harshest conditions around.

DRY100L SINGLE CORE WITH DRAIN DUMP

The DRY100 is made of a 1000D Nylon Core 0.6mm thick Tarpaulin which is designed to protect your gear from the most extreme environments.

The bag provides 113 litres of packing capacity and features a 33" (84cm) wide mouth roll-top to make it easy to stuff your kit in the bag. The bottom is a polymer reinforced foam that reduces impact force and is hard-wearing. Removable backpack straps make those long hikes to beach and cave dives way easier.

The side pocket/changing mat is removable so you don't have to haul your whole bag out to protect your gear while you change out of your suit.

The drain dump means you can even use your bag as a kit wash bath!

If your dive life needs a bag that can keep up, you've found it.

- The main bag is a waterproof roll top duffel with a 33" (84cm) wide mouth opening.
- The material is a 1000D Nylon Core 0.6mm Tarpaulin.
- It's designed to be rugged and to protect your gear from the most extreme environments.
- The bottom is a polymer reinforced foam pad to help reduce impact force and wearing. The bottom panel doubles as a trolley cart sleeve.
- A removable side pocket features a splash proof zipper with an easy grip puller. The changing mat is 32"x23" and double layered tarpaulin.
- Removable air mesh backpack straps
- Compression straps with a comfortable haul handle

DRY60L TWIN CORE FOR COMBINED WET/DRY STORAGE

The DRY75 is a workhorse of a dive bag that will easily carry all of your personal dive gear plus extra clothes.

The bag has 75 litres of carrying capacity. It sports a removable drycore to keep your wet gear away from your dry gear.

The main bag features a drain so you can rinse your equipment on the go and a splash proof top flap so you don't have to unroll your pack every time you need your passport.

If this bag isn't big enough, there are four easy attachment points for the Apeks DRY12 bags.

FEATURES

- The main material is a 1000D Nylon Core 0.6mm Tarpaulin. It's designed to be rugged and to protect your gear from the most extreme environments.
- The main compartment features a drain plug for rinsing your gear on the go.
- The removable core is 500D Nylon Core 0.4mm Tarpaulin to separate your wet gear from your dry gear.
- The bottom is a polymer reinforced foam pad to help reduce impact and wearing.
- The top flap is a splash proof pocket for easy document and personal items storage.
- There are 4 attachment points for the Apeks DRY12

DRY12L SINGLE CORE FOR WET OR DRY STORAGE

The DRY12's main function is to modularly attach to the Apeks DRY100 & DRY60.

The four stainless steel karabiners on the DRY12 latch to the four stainless steel D-rings over the Apeks logo on the side of the DRY100. When attached, the waterproof roll-top opening on the DRY12 is conveniently located and easily accessible.

The DRY60 has four locations to attach multiple DRY12 bags. This increases your DRY60's packing capacity by 48 litres. It also provides four added dry compartments to your bag.

The DRY12 also holds up on its own. The four karabiners and adjustable straps make it easy to strap down to the deck of a boat, hang inside your sleeping quarters, strap to other bags or use as a carry-on.

FEATURES

- The main material is a 1000D Nylon Core 0.6mm Tarpaulin. It's designed to be rugged and to protect your gear from the most extreme environments.
- The webbing is 1" (2.5cm) pp nylon with MOLLE straps for attaching small pouches and accessories.
- The tri-buckles and karabiners are stainless steel with a metallic black coating.
- The ends of the adjustable straps are designed to weave in and out of the tri-buckles easily. This is a fail safe system in case the karabiners gets damaged.
- The buckle is a Duraflex buckle

Image: diversofthedark.com

APEKS PROFESSIONAL DIVE WATCH (MALE)

Stainless steel case with attractive contoured stainless steel bezel with positive action, and screw down winder. This watch uses a reliable Seiko movement with day and date display. Tested to 200 metres.
(Product number AP0406)

Features

- Highly reliable Seiko VX42 Quartz movement.
- Easy to read luminous face and large uni-directional bezel and day/date display (date only on the female version).
- Housed in a tough stainless steel case with screw-in crown.
- PU Polyurethane strap.
- Tested to 200 metres.

APEKS PROFESSIONAL DIVE WATCH (FEMALE)

Stainless steel case with attractive contoured stainless steel bezel with positive action, and screw down winder. This watch uses a reliable Seiko movement with date display. Tested to 200 metres.
(Product number AP0406-2)

Features

- Highly reliable Seiko VX42 Quartz movement.
- Easy to read luminous face and large uni-directional bezel and day/date display (date only).
- Housed in a tough stainless steel case with screw-in crown.
- PU Polyurethane strap.
- Tested to 200 metres.

APEKS CHRONOGRAPH DIVE WATCH

The Chronograph watch is water resistant to 100 metres and has a stainless steel case with a rotating, one way bezel. This chrono watch measures hours, minutes and seconds and includes a date display. Seiko movement ensures it is accurate and great for diving but also looks great worn casually.
(Product number AP0406-4)

Features

- Highly reliable Seiko VX42 Quartz movement.
- Easy to read luminous face and large uni-directional bezel.
- Housed in a tough stainless steel case with screw-in crown.
- PU Polyurethane strap.
- Tested to 100 metres.

APEKS 500M DIVE WATCH

One of the toughest dive watches on the market. Tested to 500 metres, the watch displays minutes, hours, seconds and the date, all housed in a very strong stainless steel case with a one way black bezel.

Features

> Highly reliable Seiko VX42 Quartz movement.
> Easy to read luminous face and large uni-directional bezel.
> Housed in a tough stainless steel case with screw-in crown.
> PU Polyurethane strap.
> Tested to 500 metres.

APEKS 1000M DIVE WATCH

Water resistant to 1000 metres, this is the ultimate dive watch. It has a tough stainless steel bezel and mineral glass for exceptional strength and a helium escape valve which opens when the internal pressure is higher than the external pressure.
(Product number AP0406-5)

Features

> Helium Release Valve
> Highly reliable Seiko VX42 Quartz movement.
> Easy to read luminous face and large uni-directional bezel.
> Housed in a tough stainless steel case with screw-in crown.
> PU Polyurethane strap.
> Tested to 1000 metres.

APEKS CAVE EXPLORATION PROJECT

Interview with Garry Dallas

Tell us about the Apeks Cave Expedition

Myself and Niels Horemans spent a year planning our expedition to Mexico, continuing our quest to make a connection between the Calavera cenote and Grande cenote located in the town of Tulum.

We also wanted to investigate several virgin cenotes, which we were given exclusive rights to explore by the local land owner.

It was very important to us that we were able to survey the cenotes during our expedition, historically documenting our findings to show the links between each cenote system. It is a cave diver's dream, so we set about forming plans to make it happen!

Why did you choose Apeks regulators to support you underwater?

As a time served mechanic, we have a saying in the garage, 'use the right tool for the right job', which is why I always use the Apeks DST XTX50 series sidemount regulator set.

Not only is it a robust, easy to maintain, fully adjustable and frankly speaking a beautiful looking regulator, it's actually perfect for the standardised sidemount configuration we use and one the world is beginning to adopt.

After 14 years of diving most makes and models of regulator, I started using Apeks regulators about eight years ago and have never looked back since. I've used my XTX50s in 2 degree water temperatures during ice dives without any hint of a freeflow and on Trimix dives down to 100m providing a satisfyingly smooth and well regulated breathe which gave me total confidence in bringing them deep into caves.

One of the fantastic features of the XTX series is that it has the Reversible Venturi System (RVS) which allows me to configure my regs to suit my diving style, whether it be cave, Trimix staging or open water. Being able to change the inlet breathe from right to left in under two minutes is a feature no other regulator has, though the work must be carried out by an authorised Apeks technician.

Apeks have really fine-tuned their regulators over the years, not only in performance but also in stylish looks which have a purpose. Their latest models' finishing touches are proving to be the best ever, without a doubt. I particularly like the anti-bacterial body second stage, especially as I have several sets in my school. The two stage purge button is very useful

when demonstrating skills during courses.

I am as passionate about my regs as I am about diving and my life is worth more to me and my family than choosing the wrong breathing apparatus for the wrong job, that's why I trust Apeks.

Which regulators did you take and how did they perform in such an extreme environment?

We took two sets of the DST XTX50 sidemount regulators for our primary cylinders and eight sets of DST XTX40 regulators for our stages. They performed perfectly of course! One regulator started to get a wet breathe 200m into the dive so I decided to check the regulator before carrying on any further. Without the need for tools and leaving the gas switched on, I unscrewed the front cover exposing the diaphragm, then unclipped the exhaust ports to find a tiny piece of dead white coral rock in between the body and the rubber exhaust valve. I removed it, replaced the covers and breathed it…perfect again…in under a minute!

Sometimes in cave diving explorations, due to the environment, we can expect the unexpected. Tiny particles floating around while we're trying to fit through small gaps, with our stage regs so close to the floor, small particles coupled with a flow of water could end up in the exhaust ports of any make of stage regulator if you're not breathing off it at that time. This just proved how easy Apeks regulators are to maintain…even underwater!

How did the expedition go?

This has been an awesome time in my life; my only regret is not having done it sooner. We were so privileged to be the first to explore the virgin cenotes and I will never forget those moments.

TEAM & PROJECTS

The Apeks Tek Team is a group of independent technical divers based around the world, a mixed group of cave divers, deep divers, expedition divers, ice divers and divers using gas blends. They act as our field test team, taking new products, rigorously testing them in their local environment and giving honest feedback on the performance of the product.

It means that when we release a final Apeks product to the market, it has already received extensive real life testing. The Tek Team also help with new product development, which means Apeks can develop products inspired by and requested by technical divers.

Image: Blue Pixel

José Miguel Mastache Villalobos
Mexico

Image: Dean Martin

Ian France
UK

Image: Jason Brown - www.bardophotographic.com

Garry Dallas
UK

Etienne Mackensen
Germany

Edward M. Szostak
USA

Drazen Goricki
Croatia

Image: Fiona Walker

Adam Wood
UK

Mark Powell
UK

Nathalie Lasselin
Canada

Paul Toomer
UK

DIVER SAFETY

Apeks products are designed and tested to thrive in the harshest of conditions. However, nothing replaces training, experience and common sense when it comes to any form of scuba diving. So while Apeks products can be found in some of the most demanding dive environments on Earth, never dive outside of your limits, whether that be in terms of your training, experience or physical ability.

Image: diversofthedark.com

Part of the Aqua Lung Group of Companies