KIRBY MORGAN®

SuperFlow
Scuba Regulator Assembly

User Guide
DSI Part #: 100-133

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The Kirby Morgan SuperFlow First Stage Regulator and all three

SuperFlow Second Stage Regulators have been CE *approved.*

Definitions of Signal Words used in this Guide

DANGER: This word indicates an imminently hazardous situation, which if not avoided, will result in death or serious injury

WARNING: This word indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION: This word indicates a potentially hazardous situation which, if not avoided, may result in a minor or moderate injury. It may also be used to alert against unsafe practices.

REMARKS: Operating or descriptive information which will help you make the best of your regulator.

Product Changes

Following publication of this booklet, certain changes in standard equipment, options, prices and the like may have occurred which would not be included in these pages. Your Authorized DSI dealer is your best source for up-to-date information on any of these products. Diving Systems International, Inc. reserves the right to change product specifications at any time without incurring obligations.

DIVING SYSTEMS INTERNATIONAL, INC. DECLINES ALL RESPONSIBILITY FOR ACCIDENTS DUE TO AN INCOMPLETE UNDERSTANDING OF THE EQUIPMENT.

In order to use this regulator assembly, it is **ABSOLUTELY NECESSARY** to complete a training course and **RECEIVE CERTIFICATION**, issued by a competent training organization, confirming your ability to dive. Use of Scuba equipment by untrained and/or unqualified personnel is **DANGEROUS** and could lead to serious accidents, and/or death. Use of this equipment by a person who does not possess certification issued by an appropriate organization renders void any guarantee, express or implied, on this product. This regulator, as supplied, is intended to be used for Scuba diving.

THIS REGULATOR ASSEMBLY SHOULD BE USED ONLY WITH BREATHING AIR MEETING REQUIREMENTS OF EN132 STANDARD, APPENDIX A.

WHEN USED IN A MEMBER COUNTRY, THIS REGULATOR SHOULD BE USED ONLY WITH EQUIPMENT AND ACCESSORIES WHICH ARE CE APPROVED ACCORDING TO EN250.

THIS SCUBA REGULATOR ASSEMBLY HAS NOT BEEN DESIGNED OR TESTED FOR USE WITH BREATHING GAS MIXTURES CONTAINING GREATER THAN 23% OXYGEN. DO NOT USE THIS REGULATOR ASSEMBLY WITH BREATHING GASES CONTAINING MORE THAN 23% OXYGEN.

IN ACCORDANCE WITH THE EN250 STANDARD, THE MAXIMUM APPROVED DEPTH FOR THE USE OF THIS EQUIPMENT IS 50 METERS (164 FEET).

NEVER USE SOLVENTS OR AEROSOL SPRAYS ON OR AROUND THE REGULATOR ASSEMBLY AS CERTAIN SOLVENTS AND PROPULSION AGENTS ATTACK AND DAMAGE RUBBER AND CERTAIN PLASTICS.

 ***This user guide gives basic daily operational information for the Kirby Morgan SuperFlow Scuba Regulator assembly.***

Before each use the regulator assembly should be carefully checked and submitted to operational tests. **NEVER DIVE** with a regulator showing any signs of deterioration or below normal performance.

The hoses fitted to the regulator assembly, and supplied by Diving Systems International, meet the requirements of the EN250 standard concerning the connection of components. Only original Kirby Morgan hoses should be used as replacements.
- HP thread 7/1 6" - 20 UNF
- MP thread 3/8" - 24 UNF

CAUTION: Always allow pressure to build up slowly in the regulator by turning on the cylinder valve SLOWLY.

Use only silicone grease on the 2nd stage regulator rubber components. Never grease the parts of your regulator with a lubricant containing hydrocarbons, household oil, or motor oil.

COLD WATER DIVING
Before diving in cold water (water temperature below 10°C / 50°F), the diver should be trained in and have mastered the techniques of cold water diving, learning techniques and all precautions necessary to avoid freezing of the regulator. All of this is included in the training programs of organizations offering courses in diving in cold water or under ice. The diver should also use only equipment intended for this purpose.

In order to reduce the risks of regulator freezing when diving in cold water (below 10°C), consider doing the following:

1 - Protect your regulators from any ingress of water into the first or second stages.

2 -Protect your equipment from cold before the dive. More precisely, keep your regulator and all its accessories in a warm dry place.

3 - Carry out all pre-dive checks of your equipment in a warm dry place if necessary, before even going to the dive site.

4 - Avoid breathing through the regulator or pressing the purge button in very cold air before entering the water.

5 - Check that the air used to fill your cylinder is dry. The water vapor contained in this air should have a condensation point below -54ºC. Excess water vapor can freeze, causing a free flow, or blocking the air flow completely.

The Kirby Morgan SuperFlow Scuba Regulator Assembly described in this guide was inspected and certified by a testing institution in compliance with EC directive 89/686 of 21 December 1989. Testing procedures were in accordance with the same directive that sets forth the marketing conditions and key safety requirements for Personal Protection Equipment (PPE Category III) regarding product quality assurance and according to the European Standard EN 250.

REFERENCES TO EN 250 - OBJECT- DEFINITIONS - LIMITS

Object: The requirements and tests provided for in EN 250 are aimed at providing a minimum safety level for the operation of diving breathing apparatuses at a maximum depth of 50 m / 164 feet.

Scuba - Definition (EN 1 32): Self-contained, open-circuit compressed air underwater breathing apparatus is an apparatus which has a portable supply of compressed air carried by the diver, allowing him to breathe underwater.

Scuba- Minimum equipment (EN 250):

a) Air cylinder/ cylinders
b) Demand regulator
c) Safety device, e.g. pressure gauge / computer or reserve or alarm.
d) Carrying frame or holding device for air cylinder(s) to mount the harness or carrying system, e.g. backpack and/or straps.
e) Face piece: mouth piece assembly or full face mask or diving helmet.
f) Operating instructions.

Scuba - Component Units (EN 250): The Kirby Morgan SuperFlow Scuba Regulator Assembly described in this guide may be combined with other Scuba components such as cylinders and pressure gauges certified in compliance with EC directive 89/686 and EN 250. The air contained in the cylinders must comply with the requirements for breathable air set forth in EN 1 32 - Appendix A.
Note: The Kirby Morgan SuperFlow Scuba Regulator Assembly described in this guide is CE certified only for scuba use in participating EU countries. All references to surface supplied and hookah use are for non EU countries.

DEFINITIONS (EN 250)
COLD WATER DIVING - water temperature below +1 0°C (50°F). -
WARM WATER DIVING - water temperature over +1 0°C (50°F). -
MAXIMUM DEPTH: 50 m / 164 feet.
STORAGE TEMPERATURES: +70ºC / -30ºC (max/min)

Kirby Morgan SuperFlow Scuba Regulator Assembly

Thank you for choosing Diving Systems International. Your new regulator assembly has been designed and manufactured with pride, according to Diving Systems world renowned exacting standards for quality and performance. The Kirby Morgan SuperFlow Regulator is a high performance Scuba regulator which was designed to meet the needs of the serious sport diver and commercial Scuba diver. The second stage is a modified version of the same regulator used on the Kirby Morgan SuperLite-17 Helmet and Kirby Morgan 28 Band Mask. Many of the parts used in the SuperFlow are identical to those used on the Helmet and Band Mask. This is helpful to customers in stocking parts for service and repair.

The first stage is known as the high vent first stage. This regulator is of a balanced piston type and was originally designed as a saturation bail out regulator because its capability to deliver high gas flow with minimal 1st stage pressure drop to depths in excess of 850 FSW. The SuperFlow second stage is a non-balanced fully adjustable second stage that can also be used for scuba, surface supplied full-face mask, and hookah use. The second stage is perfectly suited for surface supplied diving because of its wide range of adjustment that allows the diver to compensate for variations in supply pressure as well as physical attitude and current. This first stage and second stage combination makes an excellent scuba regulator.

Provided that it has been purchased new from an Authorized Diving Systems International Dealer, your regulator assembly is covered by Diving Systems International's Limited Warranty. Be sure to read and fill out the warranty card completely and return the bottom portion within ten (10) days of purchase. Also save your sales receipts. Copies of these receipts must be presented whenever obtaining warranty service.

Perhaps more than any other piece of diving equipment , your regulator's function and performance relies greatly on the **care and maintenance** it will receive, in addition to regularly scheduled dealer service. Before you dive with your new Diving Systems International regulator, it is important to read this guide in its entirety; to become familiar with its features, as well as the correct procedures for setup, pre-dive inspection, and post-dive maintenance.

General Precautions and Warnings

• Before using this regulator or any Kirby Morgan diving equipment or products, you must have successfully received training and certification in the use of this type of equipment from a recognized certification agency (or any U.S. Military or government operated diving school). Use of this equipment by a person who is not certified by a recognized agency shall render all warranties, express or implied, null and void. Use of Scuba equipment by uncertified, or untrained persons, is dangerous and can result in serious injury, or death.
• Always pressurize the regulator gradually by opening the cylinder valve SLOWLY.

• NEVER lubricate any part of the 1st stage regulator or cylinder valve with any lubricant. Lubrication must only be performed by a Diving Systems factory trained technician.

• DO NOT apply any type of aerosol spray on the regulator assembly. Doing so may cause permanent damage to certain plastic components, including the second stage housing.

• Factory prescribed service for this regulator assembly must be performed at least once annually by a Diving Systems factory trained technician who is employed by an Authorized Diving Systems Int'l. Dealer. Repair, service, disassembly, or first stage adjustment must not be attempted by persons who are not factory trained and authorized by Diving Systems International.

• DO NOT leave a cylinder standing unsecured with the regulator attached to the valve. Doing so may cause permanent damage to the regulator and cylinder valve if the cylinder falls over against the first stage.

• DO NOT use the regulator first stage as a carrying handle when lifting or transporting the cylinder. Always lift the cylinder by the cylinder valve handle.

• This regulator assembly is designed and intended for use only with clean, compressed atmospheric air (21% oxygen and 79% nitrogen by volume). DO NOT use this equipment with any other gas or oxygen enriched mixture above 23% oxygen. Failure to observe this warning may result in serious injury or death due to fire or explosion.

Preparation and Setup

Diving Systems International recommends that you bring your regulator assembly to your Authorized Diving Systems International Dealer for the installation of any accessory items, including instrumentation, LP quick disconnect hoses, and alternate air sources. Your dealer can also answer any questions you may have pertaining to the information in this guide.

1. (Adjustable models only) If the adjustment knob has been turned "out" (counterclockwise), gently turn it "in" (clockwise), only until it stops. Do not apply excessive pressure.

2. If you are using a standard cylinder with a yoke connector valve, inspect the cylinder valve O-ring for any wear or damage.

Mounting the First Stage Onto the Cylinder Valve (Yoke Connector)

1. Partially unscrew the yoke screw of the first stage regulator so that the dust cap can be removed from the filter and air inlet.

2. With the cylinder valve facing away from you, release a small amount of air from the cylinder. When air is heard exiting, immediately close the valve. This will clear any moisture or debris that may be inside the cylinder valve outlet opening.

3. Place the first stage regulator over the cylinder valve so that the inlet fitting aligns with the O-ring of the cylinder valve, and the LP hose of the primary second-stage will be routed over the right shoulder. While holding the first stage in place, turn the yoke screw clockwise. Insure that the yoke screw mates into the small dimple on the backside of the cylinder valve, and tighten finger tight only.

4. If a submersible pressure gauge is attached to the first stage, insure that the gauge is facing away from you. Pressurize the regulator by slowly turning the cylinder valve handwheel counterclockwise. Continue turning the valve handwheel counterclockwise until it is fully open, and then turn back clockwise 1/4-1/2 turn.

5. Listen near the first stage to check for any leakage. If leakage is detected, immerse the first stage and cylinder valve while pressurized to determine the source.

6. If leakage has been detected, follow the procedure for removing the regulator from the cylinder valve (see page 10). If air was leaking between the first stage and cylinder valve, replace or reseat the cylinder valve O-ring as needed and repeat the above procedure. If leakage persists, return the cylinder and regulator to a Diving Systems International Dealer.

PRE-DIVE CHECKOUT

Before each use, the regulator assembly must be given a thorough visual inspection and function test. **NEVER** dive with a regulator that shows signs of damage, or provides substandard performance until it has received complete inspection and service from an Authorized Diving Systems International Dealer.

Inspection Checklist:
1. Remove the dust cap and closely inspect the condition of the first stage filter. It should appear clean and free of any corrosion or discoloration. If a green residue is visible on the surface of the filter, moisture has entered the first stage and may have

caused corrosion to begin forming inside which can seriously impair the regulator's performance. Other colored residue may indicate that the regulator has been used with an internally corroded aluminum (white/ gray powder) or steel (rust) cylinder. In this event, the cylinder in question should be returned to the dive store for internal visual inspection, and the regulator should be inspected before use.

CAUTION: If discoloration or contaminant residue is found to be present on the surface of the filter, it is strongly recommended that you DO NOT attempt to dive with the regulator until it has received factory prescribed service from an Authorized Diving Systems International Dealer.

2. Prior to each use, the regulator assembly must be given a thorough visual inspection and function test. Never dive with a regulator assembly that shows signs of damage, or provides substandard performance, until it has been inspected and tested by a DSI authorized technician. Carefully inspect all hoses at their fittings to insure they are securely connected into their respective ports on the first stage. If hose protectors are present, slide the protectors back to expose the hose fittings, and inspect the fittings. Inspect the length of each hose to insure that the hoses are not blistered, cut, or otherwise damaged.

3. Visually inspect both the first and second stage regulators for any signs of external damage.

4. With the air supply on, slowly back out on the demand regulator bias adjustment (counter clockwise) until a slight free flow develops, then slowly rotate the knob in (clockwise) until the free flow stops, then continue in another 1 1/2 to two 2 turns. This setting will provide good performance without the demand valve being over sensitive during water entry. Next, depress the purge valve a couple of times. The purge valve should travel between 1/16” to 1/8” before air starts flowing. When the purge valve is fully depressed, a strong surge of air should be felt. If a strong surge of air is not present or the purge button travels further than 1/8” before air flow starts, the lever travel will require adjustment. Refer to the SuperFlow repair and maintenance manual or bring the regulator to an authorized Kirby Morgan technician.

Regulator Bias adjustment:
The SuperFlow demand regulator bias adjustment gives the diver the ability to fine-tune the demand valve at any time prior to, or during the dive. The bias adjustment simply increases or decreases spring tension on the inlet valve assembly. The knob has approximately 9 turns from full in to full out position and with a supply pressure of 135-140 PSIG the adjustment knob will be between 6-7 turns out before a slight free flow starts. <u>This bias device is not intended as a minimum or maximum device</u>**.** The bias adjustment should be adjusted by the diver so that it is at the easiest breathing for existing conditions; this is normally 1-2 turns in (clockwise) from free flow. Diving with a bias setting higher than necessary will result

in increased inhalation effort and could cause the diver to become exhausted. Diving with the bias adjusted so the regulator free-flows greatly increases air usage.

In Water Adjustment:
When diving scuba or surface supplied, the adjustment device should be adjusted in the water near the surface prior to descending. Slowly rotate the adjustment knob out (counter clockwise) until a slight free flow develops and then rotate the knob in (clockwise) until the free flow stops, continuing in 1-2 turns. At this point, the regulator will be set and no further adjustment should be necessary. If diving in currents or turbulent water, the adjustment device can be used to counter the static effects of the environment and obtain desired breathing characteristics. If the second stage is being used for surface supplied diving, it should be used in conjunction with the Kirby Morgan Manifold Block PN#300-145. The Kirby Morgan Manifold Block Assembly contains a one-way valve and attachment point for the emergency gas supply, harness assembly, and umbilical.

DURING THE DIVE

1. The SuperFlow demand regulator can be adjusted by the diver during the dive by simply rotating the spring bias adjustment OUT (counter clockwise) to make the demand valve more sensitive or IN (clockwise) to make the demand valve less sensitive. In normal operation the demand adjustment should be set at the easiest breathing setting by rotating the adjustment knob OUT (counterclockwise) until a slight free flow develops and then rotate it in until the free flow stops. At this point the diver will be taking full advantage of the demand valves performance. Note: prior to entering the water or removing the regulator from your mouth, the regulator adjustment knob should be rotated IN (clockwise about 1-1 1/2 turns to keep the regulator from free flowing when the mouthpiece is exposed to the turbulence of the water. As soon as the regulator is placed back in the mouth and breathing resumes, the knob should be readjusted for minimal breathing effort.

WARNING: Diving an adjustable demand regulator that is adjusted to breathe with heavy resistance could cause the diver to become exhausted. Always adjust the demand regulator for the easiest breathing.

AFTER THE DIVE

If fresh water is available, rinse your regulator completely before depressurizing it. This helps to prevent any contaminants from entering sealing surfaces inside the regulator.

Removal of the Regulator Assembly from the Cylinder Valve

1. Shut off the cylinder air supply by turning the cylinder valve handwheel clockwise until it stops.

2. While observing the submersible pressure gauge, depress the purge button of the second-stage. When the gauge reads zero and airflow can no longer be heard from the second stage, release the purge button.

3. Turn the yoke screw counterclockwise to loosen and remove the first stage from the cylinder valve.

4. Dry the dust cap with a towel or other lint-free cloth. While you may use air from your tank valve to blow the water off the dust cap, you run the risk of blowing out the dust cap O-ring and losing it.

5. Place the dust cap over the first stage inlet fitting and seal it securely in place by tightening down the yoke screw.

SAFETY PRECAUTIONS

To ensure the best possible regulator performance, and to avoid damage to regulator assembly parts, use only DSI original factory replacement parts.

To avoid damage to regulator assembly parts, only the correct size and type of tools should be used. In particular, the use of adjustable wrenches should be avoided wherever possible to avoid damage to soft brass parts.

PREVENTATIVE MAINTENANCE

Routine maintenance is the best way to ensure long regulator assembly life and optimum performance. All end users should be instructed in the proper procedures for regulator care.

1) Whenever the regulator assembly is removed from the Scuba cylinder, the dust cap should be dried and installed over the first stage inlet port. It is very important to dry the dust cap to prevent water from the cap from entering the first stage. Screw the regulator yoke screw down until snug and you have slightly compressed the rubber dust cap.

2) To clean the regulator assembly after diving the regulator should, at a minimum, be thoroughly rinsed with fresh, clean water.

3) If available, the entire regulator assembly should be soaked in warm tap water. The temperature of the water should not exceed 120 degrees F. This will remove salt and mineral deposits more effectively than fresh water alone.

4) Allow the regulator assembly to dry completely before storage by laying it on a clean towel. Do not leave the regulator assembly sitting in direct sunlight. Shake the second stage to ensure no water is trapped inside the second stage.

5) Screw the adjustable regulator adjustment knob all the way out, away from the second stage body. This will considerably lengthen the life of the regulator seat.

6) Store the regulator assembly in a clean, air tight bag.

7) If the regulator assembly is to be stored for an extended period, wipe the rubber parts, such as the exhaust "T" and the low pressure hose, with a light coating of silicone grease.

Scheduled Maintenance

Do not assume that a regulator assembly is in good working order because it has been used only slightly. Prolonged or improper storage can still result in O-ring deterioration or internal corrosion.

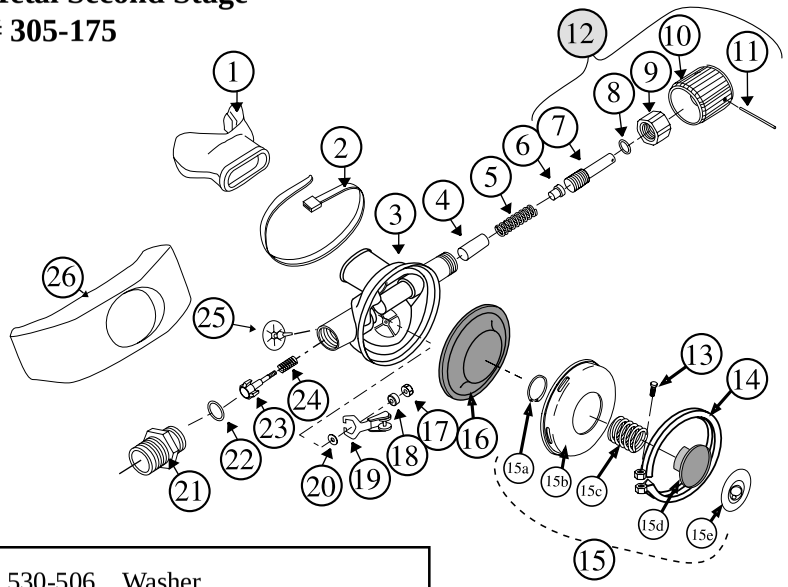
1) The minimum maintenance suggested for all regulators is an annual inspection and service. However, regulators which are used frequently, or in severe environments should be serviced more often. For example, a regulator used heavily in a salt water environment may require service twice a year or more. Regulators used in rental, in polluted water, or swimming pools may require service every three months or less. Service should only be done by an Authorized DSI dealer.

2) The sintered filter (location 3 on 1st stage blowapart) in the high pressure yoke retainer should be inspected on a regular basis. If it is discolored with either rust or aluminum oxide, this indicates that contaminants have entered the first stage regulator. The regulator should be thoroughly serviced. In addition, the Scuba cylinder that was the source of the contamination must be internally inspected and cleaned.

N O T E S

	Part#	Description
1	310-227	Mouthpiece, Regular, Black
	310-278	Mouthpiece, Large, Clear
2	520-039	Tie Wrap
3	545-028	Regulator Body
4	550-099	Piston
5	535-910	Spring
6	350-210	Spacer
7	350-045	Adjustment Shaft
8	510-011	O-Ring
9	350-025	Packing Nut
10	320-035	Adjustment Knob
11	530-601	Roll Pin
12	305-015	Adj. Knob Ass'y
13	530-030	Screw
14	545-020	Reg. Cover Clamp
15	545-018	Cover Assembly
15a	535-905	Retaining Clip
15b	540-055	Cover
51c	535-810	Spring, Purge Button
51d	520-017	Purge Button
51e	320-077	Purge Button Sticker
16	510-553	Diaphragm
17	530-303	Lock Nut
18	550-052	Spacer
19	545-038	Roller Lever Ass'y

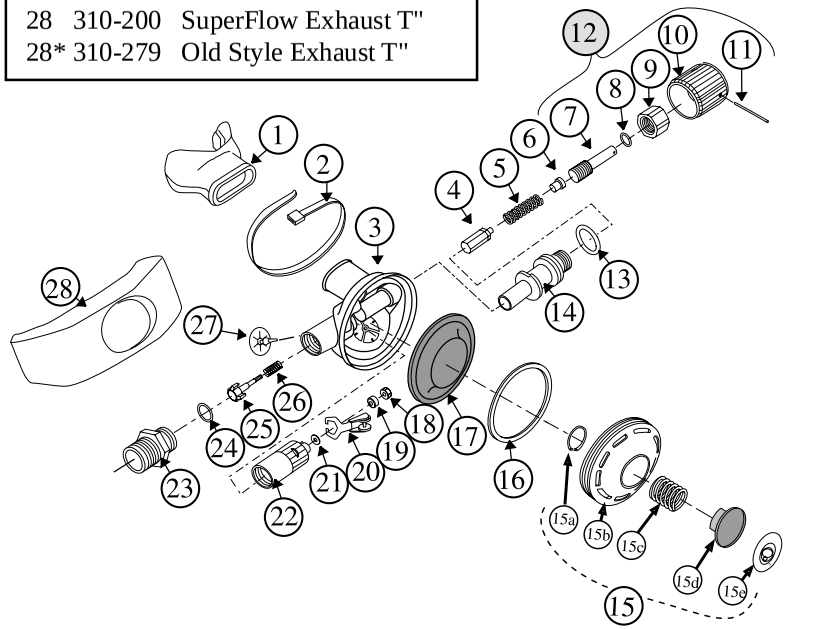
DSI Metal Second Stage
Part # 305-175



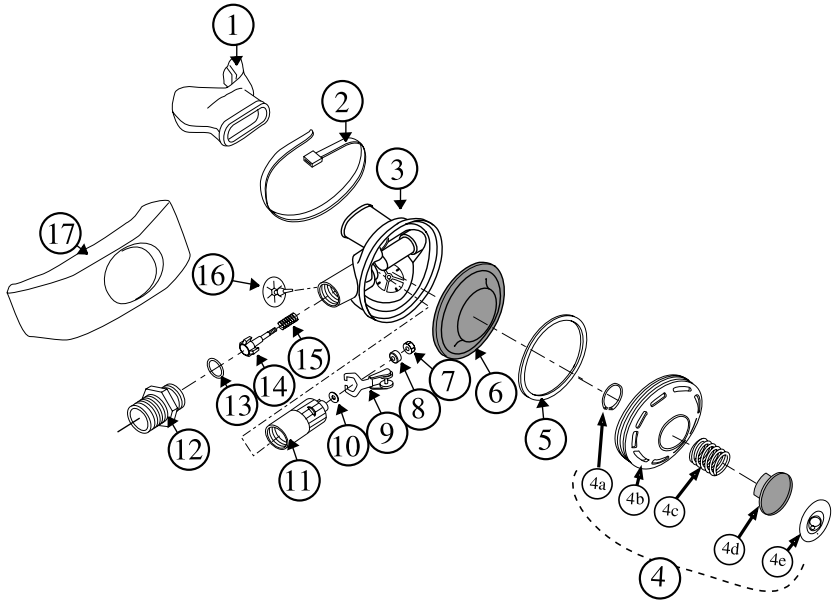
20	530-506	Washer
21	550-046	lnlet Nipple "A"
22	510-014	O-Ring
23	545-026	Inlet Valve
24	535-915	Spring
25	510-552	Exhaust Valve
26	310-279	Exhaust T"
	310-200	Exhaust T", High Flow

	Part#	Description
1	310-278	Mouthpiece, Large, Clear
	310-277	Mouthpiece, Regular, Black
2	520-039	Tie Wrap
3	320-006	Regulator Body Ass'y
4	550-099	Piston
5	535-910	Spring, Adjustment
6	350-210	Spacer
7	350-045	Adjustment Shaft
8	510-011	O-Ring
9	350-025	Packing Nut
10	320-035	Adjustment Knob
11	530-601	Roll Pin
12	305-015	Adj. Knob Ass'y
13	510-016	O-Ring
14	350-205	Adjustment Tube
15	305-180	Cover Ass'y
15a	535-905	Retaining Clip
15b	350-075	Cover
51c	535-810	Spring, Purge Button
51d	520-017	Purge Button
51e	320-077	Purge Button Sticker
16	320-030	Washer
17	510-553	Diaphragm
18	530-303	Lock Nut
19	550-052	Spacer
20	545-038	Lever Arm Ass'y
21	530-506	Washer
22	350-200	Inlet Tube
23	350-003	Inlet Nipple
24	510-016	O-Ring
25	545-026	Inlet Valve
26	535-915	Main Spring
27	510-552	Exhaust Valve
28	310-200	SuperFlow Exhaust T"
28*	310-279	Old Style Exhaust T"

Plastic Adjustable
Second Stage
DSI Part # 305-166



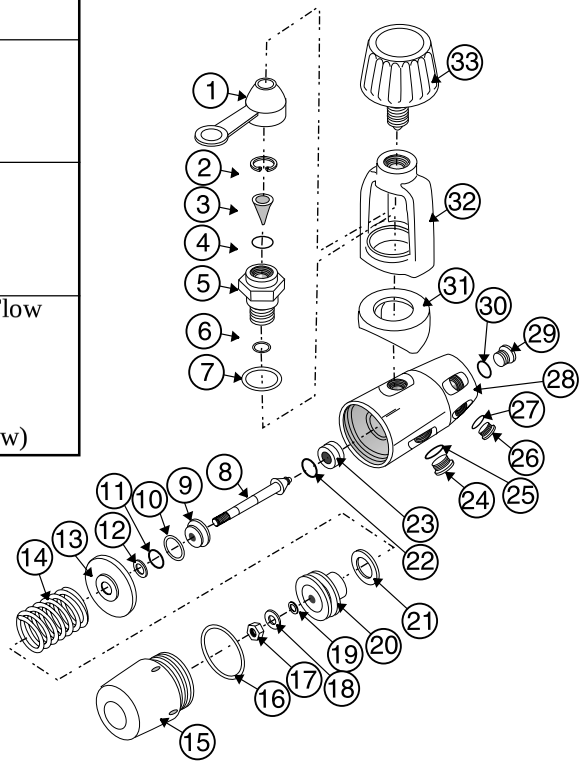
Plastic Non-Adjustable Second Stage
DSI Part # 305-171



	Part#	Description
1	310-278	Mouthpiece, Large, Clear
	310-277	Mouthpiece, Regular, Black
2	520-039	Tie Wrap
3	320-007	Regulator Body Ass'y
4	305-185	Cover Ass'y
4a	535-905	Retaining Clip
4b	350-095	Cover
4c	535-810	Spring, Purge Button
4d	520-017	Purge Button
4e	320-077	Purge Button Sticker
5	320-030	Washer
6	510-553	Diaphragm
7	530-303	Lock Nut
8	550-052	Spacer
9	545-038	Lever Arm Ass'y
10	530-506	Washer
11	350-200	Inlet Tube
12	350-003	Inlet Nipple
13	510-016	O-Ring
14	545-026	Inlet Valve
15	335-030	Main Spring
16	510-552	Exhaust Valve
17	310-200	SuperFlow Exhaust T"

	Part#	Description
1	410-026	Protector Cap (dust cap)
2	430-060	Retainer Ring
3	355-035	Filter, Sintered
4	510-013	O-Ring
5	350-131	Yoke Retainer
6	510-011	O-Ring
7	310-115	O-Ring
8	350-105	Poppet
9	350-137	Packing Disk, Small
10	310-023	O-Ring
11	510-010	O-Ring
12	410-010	O-Ring
13	350-133	Packing Disk, Large
14	335-010	Spring
15	250-020	End Cap
16	310-022	O-Ring
17	330-320	Lock Nut
18	330-510	Washer
19	510-008	O-Ring
20	350-086	Piston

	Part#	Description
21	350-215	Shim
22	510-012	O-Ring
23	350-120	Seat
24	350-092	Plug H.P.
25	510-012	O-Ring
26	550-094	Plug L.P.
27	310-003	O-Ring
28	350-135	Regulator Body
29	350-062	Plug, L.P. High Flow
30	510-013	O-Ring
31	320-085	Saddle
32	350-110	Yoke
33	330-050	Knob (yoke screw)



DSI First Stage
Part # 305-161

WARRANTY

DSI warrants every new Mask, Helmet, Scuba Regulator, Manifold Block or Diving Control System (DCS) (each, a Product) to be free from defects in workmanship for a period of one (1) year from the date of purchase from a DSI authorized dealer. This warranty covers all metal and plastic parts, but does NOT cover rubber parts.

Any defect of the product in workmanship or material covered by this warranty discovered within one (1) year from the date of purchase must be promptly communicated in writing to the nearest authorized DSI dealer or (if no such dealer in the buyer's country) contact DSI directly at (805) 965-8538. ***No Product returns will be accepted by DSI without a returned merchandise authorization (RMA) number from DSI.*** Upon receipt of the RMA from DSI, the buyer should return the defective Product or part, freight prepaid, to an authorized DSI dealer or the DSI plant, as directed by the RMA. DSI will repair or replace the Product at no charge, within a reasonable time, as it deems necessary.

This warranty is null and void if:

1) The Product is not registered with DSI within ten (10) days of purchase, or

2) The Product has not been properly serviced and/or maintained according to DSI factory recommended procedures described in the manual or Product updates have not been performed as recommended by DSI,
or

3) Unauthorized attachments or modifications have been made to the Product, or

4) The Product has been used for purposes other than those for which it was designed, or otherwise has been abused, misused, or subjected to unusual conditions, or the Product's intended service has been exceeded.

EXCEPT AS SPECIFICALLY PROVIDED HEREIN, THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES FOR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE PRODUCT COVERED BY THIS WARRANTY IS MARKETED AND SOLD BY DSI SOLELY FOR COMMERCIAL OR INDUSTRIAL USE AND IS NOT A CONSUMER PRODUCT INTENDED FOR PERSONAL, FAMILY, OR HOUSEHOLD USE.

In purchasing any Product subject to this warranty, the buyer agrees that its sole and exclusive remedy and DSI's entire obligation in contract, tort, or otherwise under this contract will be repair or replacement at DSI's option of the Product or any parts which DSI determines during the applicable warranty period are defective in workmanship or material covered by this warranty. All exchanged parts are the property of DSI. The buyer's exclusive remedy and the DSI's entire liability in contract, tort, or otherwise is the payment by DSI of the buyer's actual damages up to but not to exceed the amount paid by the buyer for the Product.

In no event shall DSI be liable to the buyer for indirect, special, incidental or consequential damages (including, but not limited to, damages for lost profits, lost sales, loss of business opportunity, or for injury to persons or property arising out of the use of the Product). Any claim or action for breach of warranty must be commenced within one year following delivery of the Product to the buyer.

Buyer acknowledges that this warranty is the sole and exclusive warranty of the Product and that it supersedes any and all oral or written representations and undertakings between DSI, its dealers, and the buyer relating to the Products. This warranty allocates the risks of product failure between DSI and the buyer, which allocation is recognized by both parties and is reflected in the price of the goods. The buyer acknowledges that it has read this agreement, understands it, and is bound by its terms.

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