Sea Pearls

REV. 04.27.26



2026 PRODUCT CATALOG



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Sea Pearls is the industry's largest supplier of all forms of lead diving weights, we are also a major supplier of aluminum and steel cylinders, and related accessories. Sea Pearls will ship any order over 300 lbs FREE FREIGHT, offering dive stores the opportunity to combine their requirements of cylinders and lead weight for added savings.

Uncoated Lead Weights

Sea Pearls uncoated lead dive weights are die-casted from lead that has been reclaimed from car batteries. However, lead in its raw form does not meet the standard for Sea Pearl's dive weights, so we add other elements like antimony and tin to derive the alloy required for proper hardness and appearance. Using immense pressure, the molten lead alloy is injected into multi-cavity molds. This process provides the best quality, most consistent weights in the industry.



Coated Lead Weights

Avoid the need to handle uncoated lead by using Sea Pearls vinyl coated lead weights. Uncoated lead can mar boat decks and swimming pools. Sea Pearl's vinyl coated lead weights protect these important surfaces. Nobody in the industry does it better. Our vinyl coating is tough and long lasting. It resists scratching and the vinyl coating will not peel off.



Lead Shot Weights

Just like the hard weights, Sea Pearls lead shot is manufactured from lead that has been reclaimed from car batteries. The reclaimed lead is melted down and supplemented with small amounts of other elements to enhance its properties. This new alloy is then used to create #5 lead shot. The shot is carefully measured and sewn into heavy-duty nylon mesh bags.





Lace-Thru Uncoated

- Weight belt webbing laces thru the weight
- Hardened with antimony to prevent deforming
- Great for use with nylon or rubber weight belts
- Ideal for use in weight-integrated BCs
- Rounded and contoured for comfort

Part #	Lace-Thru Uncoated	Weight
L1	Single	1 lb.
L1-48	Case of 48 Pieces	
L2	Single	2 lb.
L2-24	Case of 24 Pieces	
L3	Single	3 lb.
L3-16	Case of 16 Pieces	
L4	Single	4 lb.
L4-12	Case of 12 Pieces	
L5	Single	5 lb.
L5-10	Case of 10 Pieces	
L6	Single	6 lb.
L6-8	Case of 8 Pieces	
L8	Single	8 lb.
L8-6	Case of 6 Pieces	
L10	Single	10 lb.
L10-5	Case of 5 Pieces	
L12	Single	12 lb.
L12-4	Case of 4 Pieces	



Pass-Thru Uncoated

- Weight belt webbing passes thru the center of the weight
- Traditional (bullet style) design
- Hardened with antimony to prevent deforming
- Great for use with nylon or rubber weight belts

Part #	Pass-Thru Uncoated	Weight
P2	Single	2 lb.
P2-24	Case of 24 Pieces	
P3	Single	3 lb.
P3-16	Case of 16 Pieces	
P4	Single	4 lb.
P4-12	Case of 12 Pieces	
P5	Single	5 lb.
P5-10	Case of 10 Pieces	

Lace-Thru Coated

- Protects boat decks and swimming pools
- Prevents lead from touching your hands
- Colorful fade resistant colors
- Matte finish resists scratching
- Great for use with nylon or rubber weight belts
- Ideal for use in weight-integrated BCs

BK - Black
BU - Blue
YL - Yellow



Part #	Lace-Thru Coated	Weight
CL1-xx	Single	1 lb.
CL1-xx-30	Case of 30 Pieces	
CL2-xx	Single	2 lb.
CL2-xx-20	Case of 20 Pieces	
CL3-xx	Single	3 lb.
CL3-xx-13	Case of 13 Pieces	
CL4-xx	Single	4 lb.
CL4-xx-10	Case of 10 Pieces	
CL5-xx	Single	5 lb.
CL5-xx-8	Case of 8 Pieces	
CL6-BK	Single	6 lb.
CL6-BK-6	Case of 6 Pieces	
CL8-BK	Single	8 lb.
CL8-BK-5	Case of 5 Pieces	
CL10-BK	Single	10 lb.
CL10-BK-4	Case of 4 Pieces	
CL12-BK	Single (black only)	12 lb.
CL12-BK-3	Case of 3 Pieces (black only)	

BLACK ONLY



Photo: Marcelin Nebenhaus @dive_the_cave

Soft Mesh Weights

Just like the hard weights, Sea Pearls lead shot is manufactured from lead that has been reclaimed from car batteries. The reclaimed lead is melted down and supplemented with small amounts of other elements to enhance its properties. This new alloy is then used to create #5 lead shot. The shot is carefully measured and sewn into heavy-duty nylon mesh bags.

- Colored bags for easy I.D.
- Weight amounts are clearly designated with large numerals in the center
- Label includes a UPC bar code for retail sale, or to scan the weights into or out of the rental department
- Quick draining and drying



Part #	Soft Mesh	Bag Color	Weight
M1	Single	Black	1 lb.
M1-40	Case of 40 Pieces		
M2	Single	Gray	2 lb.
M2-20	Case of 20 Pieces		
M3	Single	Burgundy	3 lb.
M3-13	Case of 13 Pieces		
M4	Single	Navy	4 lb.
M4-10	Case of 10 Pieces		
M5	Single	Black	5 lb.
M5-8	Case of 8 Pieces		
M6	Single	Gray	6 lb.
M6-6	Case of 6 Pieces		
M8	Single	Burgundy	8 lb.
M8-5	Case of 5 Pieces		
M10	Single	Black	10 lb.
M10-4	Case of 4 Pieces		

Part #	Description
BOX-50	Bulk Shot 50 lbs. - Box of #5 Lead Shot

Tired of losing lead weights out of your rental department? Sea Pearls has a bright idea!

Rental Orange Soft Mesh Weights

- Bright orange color for easy identification
- Weight amount is clearly labeled with large numeral in the center
- Label includes a bar code to provide the ability to scan the weights into and out of the rental department
- Soft weights minimize damage if dropped
- Heavy-duty nylon bags have double needle stitching
- Quick draining and drying



Part #	Soft Mesh	Weight
RM2	Single	2 lb.
RM2-20	Case of 20	
RM3	Single	3 lb.
RM3-13	Case of 13	
RM4	Single	4 lb.
RM4-10	Case of 10	
RM5	Single	5 lb.
RM5-8	Case of 8	

Rental Orange Lace-Thru Coated

- Bright orange color for easy identification
- Vinyl is tough and long lasting
- Protects boat decks and swimming pools from getting marred
- Prevents lead from touching your hands
- Great for use with nylon or rubber weight belts
- Ideal for use in weight-integrated BCs



Proudly Built in USA
Sea Pearls

Part #	Lace-Thru Coated	Weight
RCL2	Single	2 lb.
RCL2-20	Case of 20	
RCL3	Single	3 lb.
RCL3-13	Case of 13	
RCL4	Single	4 lb.
RCL4-10	Case of 10	
RCL5	Single	5 lb.
RCL5-8	Case of 8	

Quick-Attach Weights

- 2 pound bullet weight
- Molded with a quick-attach brass clip
- Colorful, long lasting vinyl coating





Part #	Description	Color	Retail
QA2-BK	2 Pound Quick Attach Weights	Black	27.00
QA2-YL		Yellow	

Ankle Weights

- Filled with hardened #5 round shot
- RynoHyde neoprene cover for durability
- Adjustable nylon strap
- High quality quick-release Nexus buckles
- Perfect for adjusting your trim
- Sold in pairs





Part #	Description	Weight (Sold in pairs)	Retail
WA10	Ankle Weights	1 lb.	30.00
WA15		1.5 lbs.	34.00
WA20		2 lbs.	39.00

Weight Pouches

(Hook & Loop Opening)

- Fill your own pouches
- Opening at top for filling
- Double hook & loop safety closure
- Shot weight not included



Part #	Description	Maximum Weight	Color	Retail
WT02	Weight Pouches	2 lbs. Capacity	Gray	4.00
WT03		3 lbs. Capacity	Burgundy	
WT04		4 lbs. Capacity	Blue	
WT05		5 lbs. Capacity	Black	

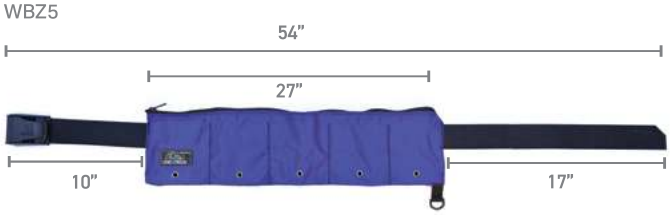
Zippered Pocket Weight Belt

- Built rental tough with 1000D Cordura®
- Each pocket is designed to hold up to 5 lbs. of hard or soft weight
- Stainless steel grommet for drainage at the base of each pocket
- #10 YKK zippered opening at top
- Sea Pearls design
- Includes ClearPath weight belt buckle

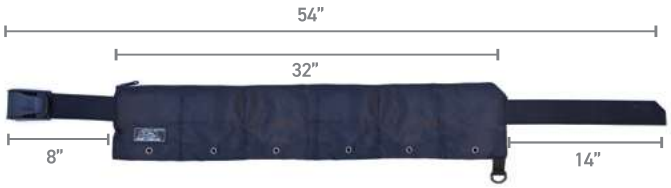
WBZ4



WBZ5



WBZ6



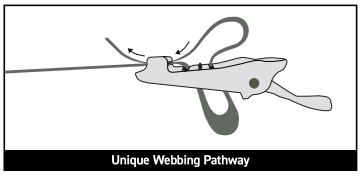
WBZ7



Part #	Color	Pockets	Max Weight	Waist Size	Retail
WBZ4-BK	Black	4	20 lbs.	26”- 53”	37.00
WBZ4-BU	Blue				
WBZ5-BK	Black	5	25 lbs.	31”- 53”	39.00
WBZ5-BU	Blue				
WBZ6-BK	Black	6	30 lbs.	37”- 53”	40.00
WBZ6-BU	Blue				
WBZ7-BK	Black	7	35 lbs.	42”- 65”	44.00

ClearPath Weight Belt

- 60” high-grade 2” nylon webbing
- 4 Delrin weight keepers - matching color
- Includes ClearPath weight belt buckle
- Attractive clam-shell packaging







Part #	Description	Color	Retail
WB200-BK	Clearpath Weight Belt with Buckle	Black	30.00
WB200-BU		Blue	
WB200-YL		Yellow	



Standard Weight Belt

- 60" long high-grade 2" wide nylon webbing
- Includes standard weight belt buckle



Part #	Color	Description	Retail
WB60-BK	Black	Standard Weight Belt	15.00
WB60-BU	Blue		
WB60-YL	Yellow		
WB60-BK-BULK	Black	Standard Weight Belt (15 Pack)	-
WB60-BU-BULK	Blue		
WB60-YL-BULK	Yellow		

Standard Buckle

- Replacement for most weight belts
- Tough Delrin material
- Fits 2" webbing



Part #	Description	Retail
WBB-BK	Standard Buckle	6.00

Weight Keepers

- Secure your weights
- Heavy-duty Delrin material
- 2" webbing slots
- Features slip-free design



Part #	Color	Material	Retail
WK-BK	Black	Delrin	3.00
WK-BU	Blue		
WK-YL	Yellow		
WK-SS	316 Grade	Stainless Steel	2.50

Bulk Nylon Webbing

- High-grade 2" webbing
- Manufactured specifically for diving weight belts
- Resin reinforced for increased stiffness
- Heavy 0.100" thickness
- May not be one continuous length



Part #	Description	Color
NW50-BK	50 Yard Roll Nylon Webbing	Black
NW50-BU		Blue
NW50-YL		Yellow

Rubber Weight Belt

- Heavy-duty natural rubber strap
- Depth-compensating from stretch rubber material
- 59" overall length with a belt width of 1.75"
- 0.16" thick rubber material
- Stainless steel quick-release cam buckle
- Permanent rivet attachment of buckle



Part #	Description	Retail
WB300	Rubber Weight Belt - Quick Release Buckle	57.00

Marseillaise Rubber Weight Belt

- Heavy-duty natural rubber strap
- Depth-compensating from stretch rubber material
- Marseillaise SS buckle has a tilting check pin for quick-release
- 59" overall length with a belt width of 1.75"
- 0.16" thick rubber material
- Three rivets placed close to buckle to prevent buckle from rotating in belt



Part #	Description	Retail
WB350	Marseillaise Rubber Weight Belt	60.00

Single Weight Pocket

- Designed to add up to 5 lbs. of soft mesh or hard weight
- Attaches by sliding over the end of 2" webbing
- Easy addition to tank band, weight belt or other harness system
- Perfect for adjusting your trim in the water



Part #	Description	Color	Retail
WB101BK	Single Weight Pocket	Black	15.00

Quick-Attach Single Weight Pocket

- Same design as Single Weight Pocket above, except:
  - Allows pocket to be quickly added without having to slide over the end of webbing
  - Quick attachment with double hook & loop closure at bottom of pocket
- Designed to add up to 5 lbs. of soft mesh or hard weight
- Easy addition to XS Scuba weight belt or other harness systems
- Perfect for adjusting your trim





Part #	Description	Color	Retail
WB101QA-BK	Quick-Attach Weight Pocket	Black	17.00

Weight Bag

This time-tested bag enjoys performing just one duty, and that is hauling lead. No bag does it better.

- Designed specifically for diving weights
- Can handle up to 60 lbs (27 kg) of lead weight
- The large, U-shaped zippered opening can accommodate most weight-integrated BC pockets
- The padded carry handle is easy on the hand



Dimensions
12 x 6 x 6 in
30 x 15 x 15 cm

Part #	Description	Retail
BG550	Weight Bag	48.00

Faber
Steel Cylinders

- Phosphatized-cleaned interior
- DOT SP13488 and TC SU7694-237
- O2 cleaned for use with up to 40% pre-blended nitrox
- Includes self-draining tank boot with round rim **(except LP85 - No Boot)**
- Inlet thread is standard ¾"-14 NPSM

VALVE OPTIONS FOR STEEL
With XS Scuba PRO Valve
With XS Scuba PVD PRO Valve
With Thermo DIN Valve
With Thermo Modular Valve
No Valve
No Boot

THERMO



VA200

INCLUDES PRO Valve







PART #	HP80-BK	HP100-BK

Black Matte

Matte Black is an unsaturated shade of black that is low in brightness and non-reflective. It communicates to other divers that you are a bad-ass diver and know what you're doing. If you don't want to be messed with, do what special forces around the world do, dive matte black.

Gun Metal Gray

This triple-protected finish provides long-lasting durability. The process includes a zinc galvanizing spray, followed by an epoxy paint and then a top coat of polyurethane. The result is a beautiful cosmetic finish.













Part #	LP85-GY	HP80-GY	HP100-GY	HP120-GY	HP117-GY	HP133-GY
Stated Volume	**85 cu ft**	**80 cu ft**	**100 cu ft**	**120 cu ft**	**117 cu ft**	**133 cu ft**
True Capacity	81.1 cu ft / 12.5 liters	81.7 cu ft / 10.2 liters	101.3 cu ft / 12.9 liters	120.1 cu ft / 15.3 liters	117.8 cu ft / 15 liters	133.5 cu ft / 17 liters
Service Pressure	2640 psi / 184 bar	3442 psi / 237 bar	3442 psi / 237 bar	3442 psi / 237 bar	3442 psi / 237 bar	3442 psi / 237 bar
*Buoyancy Full	-3.79 lbs / -1.72 kg	-8.05 lbs / -3.65 kg	-8.41 lbs / -3.81 kg	-8.82 lbs / -4.00 kg	-9.12 lbs / -4.13 kg	-9.08 lbs / -4.12 kg
*Buoyancy Empty	2.31 lbs / 1.05 kg	-1.74 lbs / -0.79	-0.59 lbs / -0.15	0.65 lbs / 0.29	0.35 lbs / 0.16	1.45 lbs / 0.66
Weight Empty	31.3 lbs / 14.2 kg	28.3 lbs / 13.0 kg	34.0 lbs / 15.6 kg	39.2 lbs / 17.8 kg	37.6 lbs / 17.7 kg	42.4 lbs / 19.4 kg
Outside Diameter	7.01 in / 178 mm	7.25 in / 184 mm	7.25 in / 184 mm	7.25 in / 184 mm	8.00 in / 203 mm	8.00 in / 203 mm
Length	25.98 in / 66 cm	20.8 in / 53.0 cm	25.3 in / 64.5 cm	29.1in / 74.5 cm	24.2 in / 61.5 cm	26.85 in / 68.0 cm
REE	61 cc	68 cc	86 cc	100 cc	100 cc	113 cc

**In Sea Water with Valve*

HYDRO DATES ON NEW FABER STEEL CYLINDERS

We ship cylinders with the "freshest" possible hydro date. We are limited in some models because of high manufacturing quantities and relatively low sales volume. Please understand, that steel cylinders shipped to your location within 18 months from date of manufacture are considered "current hydro" and not subject to further discounts.

OXYGEN USE WITH FABER STEEL CYLINDERS

Faber steel cylinders are cleaned at the factory for oxygen-enriched service up to 40% pre-blended nitrox. If you intend to use this cylinder for oxygen-enriched service, it is the responsibility of the cylinder user to ensure that the cylinder and all components are maintained in a proper state of oxygen cleanliness in strict accordance with regulatory requirements and industry standards.

Faber Twin Steel Cylinders Sets

Twin sets come complete with your choice of isolation manifold, stainless steel bands with hardware, and self-draining tank boots.

Faber Steel Cylinders

- 5 HP models available: 80, 100, 120, 117 or 133
- Gun Metal Gray or Matte Black finish
- DOT & TC approved
- Includes self-draining tank boots

Isolation Manifold

- Choose dedicated DIN outlets or PRO outlets with spin-out DIN inserts

Highland Steel Bands

- 304 stainless with all hardware included
- 2.5" wide bands on all cylinders

Gun Metal Gray



Matte Black



Gun Metal Gray

This triple-protected finish provides long-lasting durability. The process includes a zinc galvanizing spray, followed by an epoxy paint and then a top coat of polyurethane. The result is a beautiful cosmetic finish.

DESCRIPTION	THERMO PRO MANIFOLD PART #	THERMO DIN MANIFOLD PART #
Twin LP85-GY	TT85-200-GY	TT85-300-GY
Twin HP80-GY	TT80-200-GY	TT80-300-GY
Twin HP100-GY	TT100-200-GY	TT100-300-GY
Twin HP120-GY	TT120-200-GY	TT120-300-GY
Twin HP117-GY	TT117-200-GY	TT117-300-GY
Twin HP133-GY	TT133-200-GY	TT133-300-GY

Matte Black

Just like the gun metal gray, this triple protected finish provides long-lasting durability. The finish includes a zinc galvanizing spray, followed by an epoxy paint, and then a topcoat of polyurethane.

DESCRIPTION	THERMO PRO MANIFOLD PART #	THERMO DIN MANIFOLD PART #
Twin HP80-BK	TT80-200-BK	TT80-300-BK
Twin HP100-BK	TT100-200-BK	TT100-300-BK

THUNDERBIRD

Aluminum Cylinders

FINISH OPTIONS (AL06-AL50)
BNC Brushed No Coat
YL Yellow
BK Black



Part #	AL06	AL13	AL19	AL30	AL40	AL50
Volume	6 cu ft	13 cu ft	19 cu ft	30 cu ft	40 cu ft	50 cu ft
Finish Options	BNC	BNC YL	BNC YL	BNC YL	BNC YL	BK YL
Valve Included	Thermo K Valve	Thermo K Valve	Thermo K Valve	Thermo K Valve	Thermo K Valve	Thermo K Valve
Service Pressure	3000 psi / 207 bar	3000 psi / 207 bar	3000 psi / 207 bar	3000 psi / 207 bar	3000 psi / 207 bar	3000 psi / 207 bar
True Capacity	5.8 cu ft / 0.8 liters	13.2 cu ft / 1.9 liters	19.9 cu ft / 2.9 liters	30.0 cu ft / 4.3 liters	40.0 cu ft / 5.7 liters	48.4 cu ft / 6.9 liters
*Buoyancy Full	-1.4 lbs / -0.63 kg	-1.8 lbs / -0.8 kg	-1.3 lbs / -0.6 kg	-1.5 lbs / -0.68 kg	-0.7 lbs / -0.32 kg	-2.5 lbs / -1.13 kg
*Buoyancy @ 500 psi	-1.0 lbs / -0.45 kg	-0.9 lbs / -0.4 kg	-0.1 lbs / -0.05 kg	0 lbs / 0 kg	2.5 lbs / 1.13 kg	0.8 lbs / 0.36 kg
Empty Weight (No Valve)	2.5 lbs / 1.2 kg	6.0 lbs / 2.7 kg	8.0 lbs / 3.6 kg	12.3 lbs / 5.6 kg	15.3 lbs / 6.9 kg	21.3 lbs / 9.7 kg
Outside Diameter	3.2 in / 81 mm	4.4 in / 111 mm	4.4 in / 112 mm	5.25 in / 133 mm	5.25 in / 133 mm	6.9 in / 175 mm
Cylinder Length (No Valve)	11.1 in / 283 mm	13.1 in / 333 mm	18.6 in / 472 mm	19.3 in / 490 mm	24.6 in / 625 mm	19.0 in / 483 mm

In Sea Water with Valve

Tank Stickers

- Durable vinyl material
- Easy to read design
- Will not peel off in water with use



ST200 • Fits cylinders 5.25" to 8.0" diameter



ST210 • Fits cylinders up to 5.4" diameter



ST230



ST250

Part #	Description	Dimensions	Retail
ST200	Nitrox	25.5" x 6"	9.00
ST210	Nitrox - Pony Bottle	17" x 1.5"	6.00
ST230	Visual Inspection	3.75" x 3"	---
ST250	Oxygen	10" x 3"	6.00

FINISH OPTIONS (AL63-AL100)

- BNC Brushed No Coat
- SB Shot Blast
- NF Natural Finish
- BK Black
- BU Blue
- GN Green
- PK Pink
- PR Purple
- RD Red
- WH White
- YL Yellow

THUNDERBIRD Aluminum Cylinders

VALVE OPTIONS FOR ALUMINUM
Change to XS Scuba K Valve
Change to XS Scuba PRO Valve
Change to XS Scuba PVD PRO Valve
Change to Thermo PRO Valve
Change to Thermo DIN Valve
Change to Thermo Modular Valve
No Valve

3000 psi Aluminum Includes Thermo K



VA100-30A

THERMO

3300 psi Aluminum Includes Thermo PRO



VA200-33N

THERMO



Part #	AL63	AL72	AL80	ALN80	AL100
Volume	63 cu ft	72 cu ft	80 cu ft	80 cu ft	100 cu ft
Finish Options	BK BU PK YL SB BNC	NF	BK BNC BU GN NF PK PR RD SB WH YL	BNC	BK BNC YL
Valve Included	Thermo K Valve	Thermo K Valve	Thermo K Valve	Thermo PRO Valve	Thermo PRO Valve
Service Pressure	3000 psi / 207 bar	3000 psi / 207 bar	3000 psi / 207 bar	3300 psi / 228 bar	3300 psi / 228 bar
True Capacity	63.0 cu ft / 9.0 liters	70.0 cu ft / 10.0 liters	77.4 cu ft / 11.1 liters	77.4 cu ft / 10.3 liters	98.8 cu ft / 13.2 liters
*Buoyancy Full	-2.4 lbs / -1.1 kg	-0.9 lbs / -0.4 kg	-1.7 lbs / -0.8 kg	-5.86 lbs / -2.59 kg	-4.6 lbs / -2.1 kg
*Buoyancy @ 500 psi	1.7 lbs / 0.77 kg	3.5 lbs / 1.6 kg	3.4 lbs / 1.54 kg	-0.9 lbs / 0.4 kg	1.9 lbs / 0.86 kg
Empty Weight (No Valve)	26.9 lbs / 12.2 kg	27.8 lbs / 12.6 kg	31.5 lbs / 14.3 kg	35.4 lbs / 16 kg	41.1 lbs / 18.6 kg
Outside Diameter	7.25 in / 184 mm	6.9 in / 175 mm	7.25 in / 184 mm	7.25 in / 184 mm	8.0 in / 203 mm
Cylinder Length (No Valve)	21.9 in / 555 mm	26.0 in / 660 mm	26.1 in / 662 mm	25.8 in / 655 mm	26.2 in / 665 mm

*In Sea Water with Valve

OXYGEN USE

Metal Impact cylinders are cleaned for oxygen and oxygen-enriched service at the factory. If you intend to use this cylinder for oxygen or oxygen-enriched service i.e., with any gas containing oxygen concentrations of 23.5% or more, all components used with the cylinder must be oxygen compatible. It the responsibility of the cylinder user to ensure that the cylinder and all components are maintained in a proper state of oxygen cleanliness in strict accordance with regulatory requirements and industry standards.

HYDRO DATES ON NEW ALUMINUM CYLINDERS

We ship cylinders with the "freshest" possible hydro date. We are limited in some models/colors because of high manufacturing quantities and relatively low sales volume. Please understand that aluminum cylinders shipped to your location within 12 months of manufacture date are considered "current hydro" and not subject to discounts.

What's In Your Cylinder?

Because Your Valve Makes The Difference!

Go with the most trusted, best-selling valves in the industry.



FEATURES OF XS SCUBA AND THERMO VALVES	XS Scuba	Thermo
One-piece safety assembly protected within the valve body	●	●
Dip tube tightens with hex wrench to avoid damage from pliers	●	●
Three outlets available: Deluxe K, PRO & DIN	●	●
High-pressure seat retainer is teflon coated for smooth operation	●	●
100% factory tested, in water, to full working pressure	●	●
Meets the requirements of CGA V9-2009	●	●
Valve bonnet sealed with copper crush washer		●
Valve bonnet sealed with an o-ring	●	
Safety handwheel - See at a glance whether the valve is open	●	
Fully on to fully off with 1.5 turns of the handwheel	●	

Licensed Technology under U.S. Patent 8,191,574

XS SCUBA SAFETY HANDWHEEL

100% Red	OFF	
50% Red 50% Green	HALF	
100% Green	ON	

Legend: The valve products on the following pages are designated as AIR ONLY or 40% MAX OXYGEN PREMIXED

AIR ONLY =

*** WARNING*** COMPRESSED AIR ONLY

Never use this product with any gas in which the concentration of oxygen exceeds 21%. Failure to follow this warning may result in fire, explosion, injury and/or death.

40% MAX OXYGEN PREMIXED =

*** WARNING*** MAXIMUM 40% OXYGEN PREMIXED

Never use this product with any gas in which the concentration of oxygen exceeds 40%. Failure to follow this warning may result in fire, explosion, injury and/or death.

XS SCUBA Deluxe K Valve

- Standard yoke outlet
- 3/4" - 14 NPSM standard inlet threads
- Air service only
- 1.5 handwheel rotations from fully on to fully off

SAFETY HANDWHEEL

AIR ONLY



Part #	Primarily Used For	Service Pressure	Retail
VX100-30A-VI	Aluminum Cylinders	3000 psi	102.00
VKX-K	XS Scuba K Valve Service Kit		17.00

XS SCUBA PRO Valve

- Standard yoke outlet with spin-out DIN insert converts to 230 bar DIN outlet
- 3/4"-14 NPSM standard inlet threads
- Clean for pre-blended Nitrox up to 40% oxygen
- 1.5 handwheel rotations from fully on to fully off

SAFETY HANDWHEEL

40% MAX OXYGEN PREMIXED



Part #	Primarily Used For	Service Pressure	Retail
VX200-24N-VI	LP Steel Cylinders	2400 psi	110.00
VX200-30N-VI	Aluminum Cylinders	3000 psi	
VX200-33N-VI	Aluminum 3300 psi Cylinders	3300 psi	
VX200-34N-VI	HP Steel Cylinders	3442 psi	
VKX-P	XS Scuba PRO Valve Service Kit		21.00

XS SCUBA PVD PRO Valve

- Mil-Spec black PVD finish
- Standard yoke outlet with spin-out DIN insert converts to 230 bar DIN outlet
- 3/4"-14 NPSM standard inlet threads
- Clean for pre-blended Nitrox up to 40% oxygen
- 1.5 handwheel rotations from fully on to fully off

SAFETY HANDWHEEL

40% MAX OXYGEN PREMIXED



Part #	Primarily Used For	Service Pressure	Retail
VX2PVD-30N-VI	Aluminum Cylinders	3000 psi	138.00
VX2PVD-34N-VI	HP Steel Cylinders	3442 psi	
VKX-P	XS Scuba PRO Valve Service Kit		17.00

THERMO Deluxe K Valve

Quality, dependability and reputation have made this valve the most popular, widely-used valve for scuba cylinders in the world. The Thermo K valve is used by more dealers, resorts and boat operators than any other valve. Trust the valve the professionals use.

- Standard yoke outlet
- 3/4"-14 NPSM standard inlet threads
- Air service only

AIR ONLY



Part #	Primarily Used For	Service Pressure	Retail
VA100-30A	Aluminum Cylinders	3000 psi	84.00
VKT-K	Thermo Deluxe K Valve Service Kit		17.00

THERMO PRO Valve

If you plan to use Nitrox (up to EAN40) or if you need to switch between yoke and DIN regulators, then the Thermo PRO valve is the valve for you. It is pre-cleaned and ready for any adventure.

- Standard yoke outlet with spin-out DIN insert converts to 230 bar DIN outlet
- 3/4"-14 NPSM standard inlet threads
- Clean for pre-blended Nitrox up to 40% oxygen

40% MAX OXYGEN PREMIXED



Removable Spin-Out DIN Insert Included

Part #	Primarily Used For	Service Pressure	Retail
VA200-24N	LP Steel Cylinders	2400 psi	88.00
VA200-30N	Aluminum Cylinders	3000 psi	
VA200-33N	Aluminum 3300 psi Cylinders	3300 psi	
VA200-34N	HP Steel Cylinders	3442 psi	
VKT-P	Thermo PRO Valve Service Kit		21.00

THERMO DIN Valve

The Thermo DIN valve is for those divers who use a dedicated 300 bar regulator on all their dives. This is the valve for those who go all DIN all the time.

- Dedicated 300 bar DIN outlet
- Attachment of DIN first stages only
- 3/4"-14 NPSM standard inlet threads
- Air service only

AIR ONLY



Part #	Primarily Used For	Service Pressure	Retail
VA300-30A	Aluminum Cylinders	3000 psi	106.00
VA300-34A	HP Steel Cylinders	3442 psi	
VKT-D	Thermo DIN Valve Service Kit		21.00

Dual Outlet H Valves

How to Build an H Valve

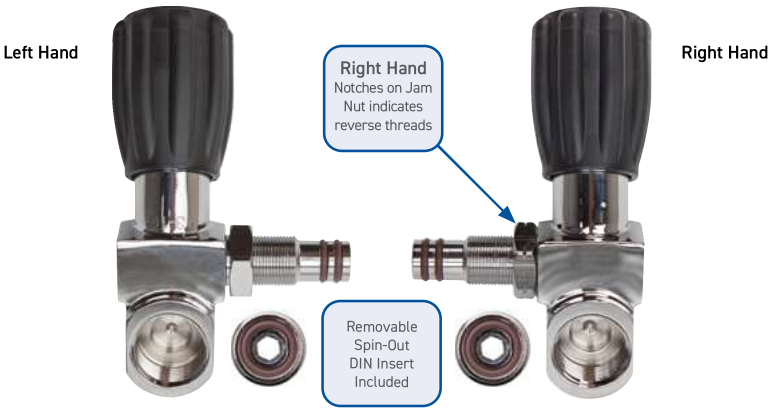
- Purchase a Thermo or XS Scuba modular valve
- Purchase a Thermo H adapter
- A right-hand modular valve needs to be paired with a right hand H adapter and a left with a left
- The PRO/DIN outlets can be matched or mixed
- The modular access plug needs to be removed
- Note that the modular access plug and H adapter have reverse threads in the right hand version
- This photo is an example of a Thermo DIN outlet Left Hand Modular Valve (p/n VA300L-30N) paired with a Thermo PRO outlet Left Hand H Adapter (p/n VH200L-N)



PRO H Adapter

- Standard yoke outlet with spin-out DIN insert converts to 230 bar DIN outlet
- Attaches to all Thermo Modular valves
- Attaches to all XS Scuba Modular valves
- Right hand H adapter attaches to right hand modular valve
- Left hand H adapter attaches to left hand modular valve
- Clean for pre-blended Nitrox up to 40% oxygen

40% MAX OXYGEN PREMIXED



Part #	Description	Orientation	Retail
VH200L-N	Thermo PRO H Adapter	Left	117.00
VH200R-N		Right	

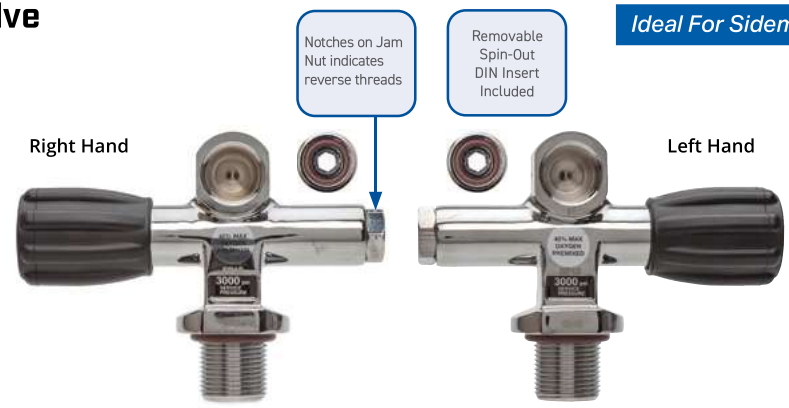


THERMO Modular PRO Valve

- Standard yoke outlet with spin-out DIN insert converts to 230 bar DIN outlet
- Modular access plug included
- 3/4"-14 NPSM standard inlet threads
- Clean for pre-blended Nitrox up to 40% oxygen

40% MAX OXYGEN PREMIXED

Ideal For Sidemount



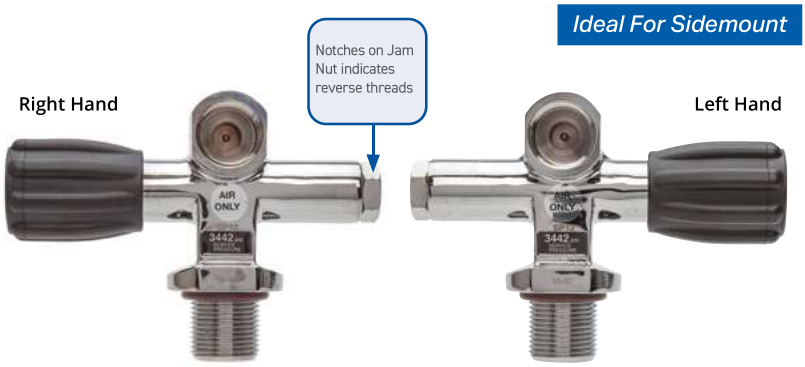
Part #	Orientation	Service Pressure	Retail
VA200L-30N	Left Hand	3000 psi	119.00
VA200R-30N	Right Hand	3000 psi	
VA200L-34N	Left Hand	3442 psi	
VA200R-34N	Right Hand	3442 psi	

THERMO Modular DIN Valve

- Dedicated 300 bar DIN outlet
- Attachment of DIN first stages only
- Modular access plug included
- 3/4"-14 NPSM standard inlet threads
- Air service only
- Great for side mount

AIR ONLY

Ideal For Sidemount



Part #	Orientation	Service Pressure	Retail
VA300L-30A	Left Hand	3000 psi	119.00
VA300R-30A	Right Hand	3000 psi	
VA300L-34A	Left Hand	3442 psi	
VA300R-34A	Right Hand	3442 psi	

THERMO Crossbar with Isolator

- Connects right & left Modular valves together to build a Thermo Isolation Manifold
- Center to center 215 mm (8.46")
- Double barrel o-ring seal
- Clean for pre-blended Nitrox up to 40% oxygen

40% MAX OXYGEN PREMIXED



Part #	Description	Retail
VC0V0-N	Crossbar with Isolator	124.00



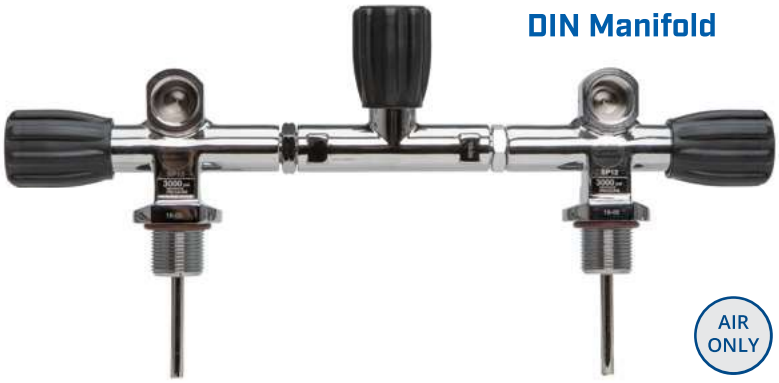
THERMO Isolation Manifold

- Your Choice of outlet
  PRO - DIN/Yoke with removable spin-out insert
  DIN - Dedicated 300 bar
- Center-to-center distance: 215 mm (8.46") +/- 5 mm (0.2")
- 3/4"-14 NPSM standard inlet threads
- High gas flow for optimum regulator performance
- On/Off seat built from high strength brass with nylon seat and teflon plated for years of smooth operation
- One-piece safety assembly protected within the body of the valve
- Traditional copper crush washer sealed bonnet
- Modular access plugs (R/L) included for use as single valves
- Screw-in dip tube with hex tighten feature
- Meets the requirements of CGA V9-2009 standards

PRO Manifold



DIN Manifold



Part #	Description	Service Pressure	Retail
VMT200-30N	Thermo PRO Manifold	3000 psi	359.00
VMT200-34N		3442 psi	
VMT300-30A	Thermo DIN Manifold	3000 psi	
VMT300-34A		3442 psi	
VKT-MF200	PRO Isolation Manifold Service Kit	-	66.00
VKT-MF300	DIN Isolation Manifold Service Kit	-	61.00

Common Spares for Thermo and XS Scuba Valves

For a complete listing of all spare parts, see the exploded valve diagrams at seapearls.com. Click on Dealers Only and enter the password: **grouper**

Safety Assemblies



Part #	Description
VP01-20	Safety Assembly 2015 psi (3358 burst)
VP01-22	Safety Assembly 2250 psi (3750 burst)
VP01-24	Safety Assembly 2400 psi (4000 burst)
VP01-30	Safety Assembly 3000 psi (5000 burst)
VP01-33	Safety Assembly 3300 psi (5500 burst)
VP01-34	Safety Assembly 3442 psi (5250 burst)
VP01-43	Safety Assembly 4350 psi (7250 burst)

Service Kits XS Scuba PRO Kit (shown)



Part #	Type	Description
VKX-K	XS Scuba	K Valve Service Kit
VKX-P		PRO Valve Service Kit
VKX-D		DIN Valve Service Kit
VKT-K	Thermo	K Valve Service Kit
VKT-P		PRO Valve Service Kit
VKT-D		DIN Valve Service Kit
VKT-MF200		PRO Manifold Service Kit
VKT-MF300		DIN Manifold Service Kit

Outlet O-rings - K Valve



Buna Viton Poly

Part #	Description
VP02-B	Outlet O-ring - K Valve - Buna
VP02-V	Outlet O-ring - K Valve - Viton
VP02-P	Outlet O-ring - K Valve - Poly

Outlet O-rings - PRO Valve



Viton Poly

Part #	Description
VP15-V	Outlet O-ring - PRO Valve - Viton
VP15-P	Outlet O-ring - PRO Valve - Poly

Tank Neck O-rings



Buna-N Viton

Part #	Description
VP03-B	Neck O-ring - Buna
VP03-V	Neck O-ring - Viton

DIN Insert - PRO Valve



Part #	Description
VP16-V	DIN Insert w/ both Viton O-rings

Handwheels



Part #	Description
VP12-BK	Thermo Handwheel - Black
VP12-GN	Thermo Handwheel - Green

Seat and Stem



Part #	Description
VP05	Valve Seat
VP07	Valve Stem

Cylinder Boot

- High quality injection-molded construction
- Self-draining and durable
- Octagon rim design to prevent side rolling
- Round rim design for twins and boat racks



Round Rim



Octagon Rim

Part #	Fits	Diameter	Rim	Retail
TBX6A	Aluminum 50 & 72	6.90″	Octagon	18.00
TBX7A	Aluminum 63 & 80	7.25″	Octagon	14.00
TBR7A	Aluminum 63 & 80	7.25″	Round	16.00
TBX8A	Aluminum 100	8.00″	Octagon	23.00
TBR7F	Steel Faber	7.25″	Round	27.00
TBR8F	Steel Faber	8.00″	Round	27.00
TBX7S	Steel Worthington	7.25″	Octagon	31.00
TBX8S	Steel Worthington	8.00″	Octagon	31.00

Universal Valve Cap

- Fits Deluxe K and PRO valves
- Protect the valve outlet
- Nylon cord lanyard included - not attached



Part #	Description	Color	Retail
VC-BK	Universal Valve Cap	Black	2.50
VC-BU		Blue	
VC-GN		Green	
VC-PK		Pink	
VC-YL		Yellow	

Cylinder Net

- Protect your cylinder's paint and finish
- Reduce cylinder slippage
- Fits 7.25″ and 8.00″ diameter cylinders





Part #	Description	Color	Retail
TN-BK	Cylinder Net	Black	9.00
TN-BU		Blue	
TN-GN		Green	
TN-PK		Pink	
TN-YL		Yellow	

HIGHLAND ENGINEERED QUALITY Twin Cylinder Bands

- Precision manufactured to the exact specifications of Joe McGrath's original Highland Millwork bands
- Deburred and polished edges to protect your cylinder paint/finish
- 18 gauge (.048") 304-grade stainless steel
- Final finish completed by hand
- Polished fusion welds
- Polished #4 stainless steel finish
- The only choice of experienced technical divers

Bolt Kit Specifications

BK690
2 pieces 3/8-16 x 4.75" hex head cap screws fully threaded 18-8 SS
2 pieces 3/8-16 wing nuts 18-8 SS
2 pieces 3/8-16 finish nuts 18-8 SS
2 pieces 3/8 medium split washer 18-8 SS
2 pieces 3/8 flat washer, 7/8 OD 18-8 SS

BK725
2 pieces 3/8-16 x 5" hex head cap screws fully threaded 18-8 SS
2 pieces 3/8-16 wing nuts 18-8 SS
2 pieces 3/8-16 finish nuts 18-8 SS
2 pieces 3/8 medium split washer 18-8 SS
2 pieces 3/8 x 7/8 OD flat washer 18-8 SS

BK800
2 pieces 5/16-18 x 5.5" hex head cap screws fully threaded 18-8 SS
2 pieces 5/16-18 wing nuts 18-8 SS
2 pieces 5/16-18 finish nuts 18-8 SS
2 pieces 5/16 medium split washer 18-8 SS
2 pieces 5/16 x 3/4 OD flat washer 18-8 SS



Part #	Description	Band Width	Retail
SB690	6.90" Diameter SS Bands	2.5"	200.00
SB725	7.25" Diameter SS Bands	2.5"	200.00
SB800	8.00" Diameter SS Bands	2.5"	210.00
BK690	3/8" Bolt Kit for SB690	-	25.00
BK725	3/8" Bolt Kit for SB725	-	25.00
BK800	5/16" Bolt Kit for SB800	-	25.00

HIGHLAND ENGINEERED QUALITY Stage Bottle Strap Kits

Includes:

- 2 ea. 4" jumbo stainless steel bolt snaps
- 1" wide, adjustable length, nylon webbing handle
- 11" piece of black tubing to create a comfortable carry handle
- Rugged, elastic EPDM hose retainer with easy grip tab
- Marine grade stainless steel cylinder clamp
- Nylon tube webbing to cover cylinder clamp
- 2" piece of black PVC tubing to cover the cylinder band adjustment screw





Part #	Description	Retail
SS440	Stage Bottle Strap Kit for 4.4" diameter cylinders	97.00
SS525	Stage Bottle Strap Kit for 5.25" diameter cylinders	
SS725	Stage Bottle Strap Kit for 7.25" and 8.00" diameter cylinders	

HIGHLAND ENGINEERED QUALITY Pony Mount

The band can be rotated in the bracket so that the buckle may be positioned on the left or right side

Designed for 7.25" diameter primary cylinder

HL409 - Designed for 4.4" diameter pony cylinders Aluminum 8, 13, & 19 cu ft



Rubber bumpers to protect paint

316 grade stainless steel construction

Adjustable length nylon webbing

Roller wheels make it easier to cam over the buckle and provide protection to the cylinder paint

Stainless steel cam buckle

Easy Mounting of the Pony Cylinder

- Mount on the diver's right or left side
- Mount upright or upside-down
- Secure and stable attachment
- Easy attachment with stainless steel cam buckle
- No hose clamps



Easy Attachment to the Primary Cylinder

- Uses your BC cam strap for attachment
- Designed for 7.25" diameter primary cylinders
- Rubber bumpers to protect your cylinder's paint and finish



Part #	Description	Fits Sized	Retail
HL409	Pony Mount for 4.4" Diameter Cylinders	13 & 19 cu ft	164.00



Standard Spin-On Yoke

- Convert DIN first stage to standard yoke inlet
- Fits all 200 and 300 bar DIN regulators
- All brass construction



Part #	Description	Retail
AC370	Standard Spin-On Yoke	70.00

Carbon Dioxide Absorption

Sofnolime® for Recreational, Commercial and Military Diving

Sofnolime® is a carbon dioxide absorbent, optimized for the removal of carbon dioxide from breathable gas in diving rebreathers, chambers, diving bells, gas reclamation systems and submarines.

Sofnolime

- Manufactured by Molecular Products in the U.K.
- Used in recreational, technical, scientific, and military semi-closed and closed diving rebreathers
- Also used in chambers, diving bells, gas reclamation systems and submarines.
- The 797 Grade, CD Grade, and Military D Grade ship in high-density polyethylene (HDPE) resealable containers with 44 lb (20 kg) of product inside. Military L Grade ships in 42 lb pails.
- Containers can maintain proper absorption capacity for 5 years. Each container marked with an expiration date
- Sofnolime is shipped as ordinary non-hazardous product
- High attrition resistance (low dust formation)
- Follow your rebreather manufacturer's recommendations for scrubber change intervals
- Only use the specific absorbent recommended by your rebreather manufacturer
- The use of improper absorbent can cause excessive work of breathing and shortened scrubber times





Additional Details

For recreational, technical and commercial divers, two grades are available, 797 Grade and CD Grade. The main differences between the two grades are particle size and shape.

- The 797 Grade has a smaller particle size (1.0 to 2.5 mm) and has a triangular shaped cross-section, which combine to give a higher CO^2 absorption capacity compared with CD Grade. The 797 Grade is the one most widely used in modern rebreathers. It is generically referred to as "8-12 mesh" or simply "812" by divers because the granule sizes are similar to the apertures found in size 8 wire mesh up to apertures found in size 12 wire mesh.
- The CD Grade is a larger particle size (2.0 to 5.0 mm) with a D-shaped cross-section. It has a mesh size of 4-8 and is often referred to as "408". It is widely used in commercial diving applications such as chambers, bell scrubbers and gas reclamation systems.
- Both grades are non-color indicating, meaning that they lack dyes that temporarily change color as the CO^2 is being absorbed. Rebreather divers should not rely on a color indicator as a reliable method for evaluating continued usage.

For military divers and submarines, there are two grades available, 812 D Grade and 408 L Grade. The main differences between the two grades are particle size and shape.

- The 812 D Grade has a smaller particle size (1.0 to 2.5 mm) and has a triangular shaped cross-section, which combine to give a higher CO^2 absorption capacity compared with the 408 L Grade.
- The 408 L Grade is a larger particle size (2.0 to 5.0 mm) with a D-shaped cross-section.
- Both grades are non-color indicating, meaning that they lack dyes that temporarily change color as the CO^2 is being absorbed.
- Both military grades, without color indicator, pass testing based on NATO standard STANAG 1411

Part #	Description	Mesh	Particle Size	# on Pallet	Grade	Ship Weight
SOF812-797	Sofnolime 812/NI 797 Grade/Diving	8 - 12	1.0 - 2.5 mm	32 Kegs	797	50 lbs (22.7kg)
SOF408-CD	Sofnolime 408 /NI CD Grade/Diving	4 - 8	2.0 - 5.0 mm	32 Kegs	CD	

"NI" is Non-Indicating

Part #	Description	NSN	Mesh	Particle Size	# on Pallet	Grade	Ship Weight
SOF812-D-MIL	Sofnolime 812/NI D Grade/Military	6810-01-412-0637	8 - 12	1.0 - 2.5 mm	32 Kegs	D	50 lbs (22.7kg)
SOF408-L-MIL	Sofnolime 408/NI L Grade/Military	6810-01-113-0110	4 - 8	2.0 - 5.0 mm	24 Pails	L	42 lbs (19kg)

"NI" is Non-Indicating

OFFICIAL DISTRIBUTOR!

MOST REBREATHER MANUFACTURERS RECOMMEND THE USE OF SOFNOLIME IN THEIR MODELS



CARBON DIOXIDE ABSORBENT

THE MOST TRUSTED BRAND FOR DIVING REBREATHERS





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