

PROFESSIONAL WET SUITS & DRY SUITS

官公庁・産業向けウェット&ドライスーツ



MOBBY'S

vol.3





SUPPLY RECORD

Japan Coast Guard

1st Regional Coast Guard Headquarters
 2st Regional Coast Guard Headquarters
 3st Regional Coast Guard Headquarters
 4st Regional Coast Guard Headquarters
 5st Regional Coast Guard Headquarters
 6st Regional Coast Guard Headquarters
 7st Regional Coast Guard Headquarters
 8st Regional Coast Guard Headquarters
 9st Regional Coast Guard Headquarters
 10st Regional Coast Guard Headquarters
 HANEDA Special Rescue Base
 Japan Coast Guard Academy etc.

Ministry of Defense

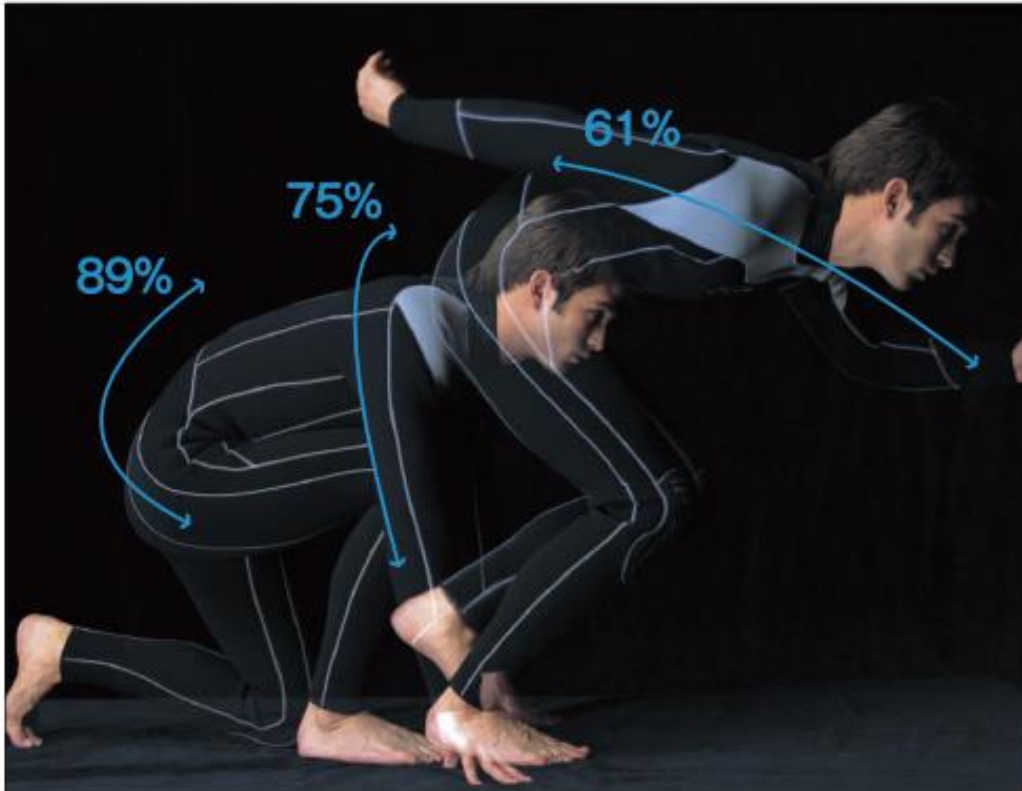
Technical Research and Development Institute
 Japan Ground Self-Defense Force
 Japan Maritime Self-Defense Force
 Ominato District Headquarters
 YOKOSUKA District Headquarters
 KURE District Headquarters
 SASEBO District Headquarters
 MSDF 1st Service School etc

Fire department

Fire and Disaster Management Agency
 Tokyo Fire Department and other fire departments nationwide
 Fire Department Headquarters
 Firefighters' Unions

National Police Agency

Metropolitan Police Department and other local police agencies



Fabric Stress during exercise of A.C.T suits compared to conventional general suits. (conventional suit as 100)

What is A.C.T. = Anatomical Cutting Technology?

The skin that covers the surface of the body is not a "single piece of skin." The skin, which is divided into parts according to the movement of the body and the accompanying expansion and contraction, is joined together with an appropriate amount of space to protect the body. That is why we do not feel cramped on the skin that covers our entire body. Focusing on this, MOBBY'S approached this anatomical findings and developed a panel design method based on the characteristics of the human skin, joint structure and muscle movement. That is the anatomical cutting technique = A.C.T.

Stress-free neutral position

People are most free from stress when they are in the forward leaning position, known as the neutral position that a fetus maintains. Therefore, the basic style of the suit created by ACT was to be bent forward. The natural shape of the suit, with appropriate room in each part of the body, reduces stress by 61-89% compared to conventional suits, when compared to the movements expected in diving.

New technology made possible by experienced craftsmen

The design and cutting of the panel by the anatomical cutting techniqy "A.C.T." is different from the conventional idea. This is made possible by the skills of MOBBY'S, an experienced craftsman who has provided divers with 700,000 suits in the 58 years since its founding.

Symmetrical square (underarm)



When both arms are raised, ACT has less square distortion = Less stress



ABOUT DRY SUITS



MATERIALS

Exp :4.5FX/NP

MATERIAL ASPECT

Chloroprene rubber thickness (mm) ┌ └ Two sides material (or process) types

Neoprene rubber and Fabrics (types and colors)



USRD / NP
Surface: Ultra Soft Radial
Lining: Air Nap



FX/NP
Surface: FX Span
Lining: Air Nap



Fabric (processed) features

FX SPAN

High stretch jersey with a wide variety of colors.

ULTRA SOFT RADIAL

A stretch jersey is attached to the skin rubber and coated with radial. Due to its water repellency, it suppresses heat loss of vaporization, prevents wind chill and has improved durability and elasticity.

CORDURA 300 / PVC

About seven times stronger than ordinary nylon and uses Cordura with excellent abrasion resistance. PVC is laminated on the lining.



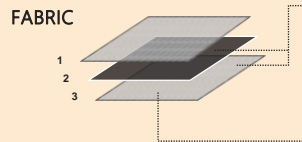
Waterpressure resistance	Over 30,000mm
A-1 Permeability	3,500~4,500g
B-1 Permeability	6,000~7,000g
Water-repellent degree	Grade 3 (Tested 20 times washing)

AIR NAP

Lightweight and warm hollow fiber fabric. In addition to the feel and warmth of a towel, it is easy to move. The warm brushed material is perfect for dry suits.

TRILAMINATE

Excellent waterproofness, durability, and flexibility, Tri-laminate material with a three-layer structure consisting of "Ripstop nylon" laminated to the surface of "Butyl rubber".



Ripstop Nylon

Lightweight yet strong, water repellent and waterproof. The lattice-like plain weave structure increases strength and prevents further progression even if the fabric tears. The fiber itself is also stretchable, making it easy to wear and move around in.

Butyl rubber

Synthetic rubber with excellent airtightness, weather resistance, chemical resistance, and heat resistance. Characteristics include stability in harsh environments and resistance to material changes.

VAPOR PRO



STANDARD: VAPOR PRO IV Four layered fabric

In order to achieve both of breathable and waterproof, 210 denier NYLON TWILL is adopted. The main features are as follows:

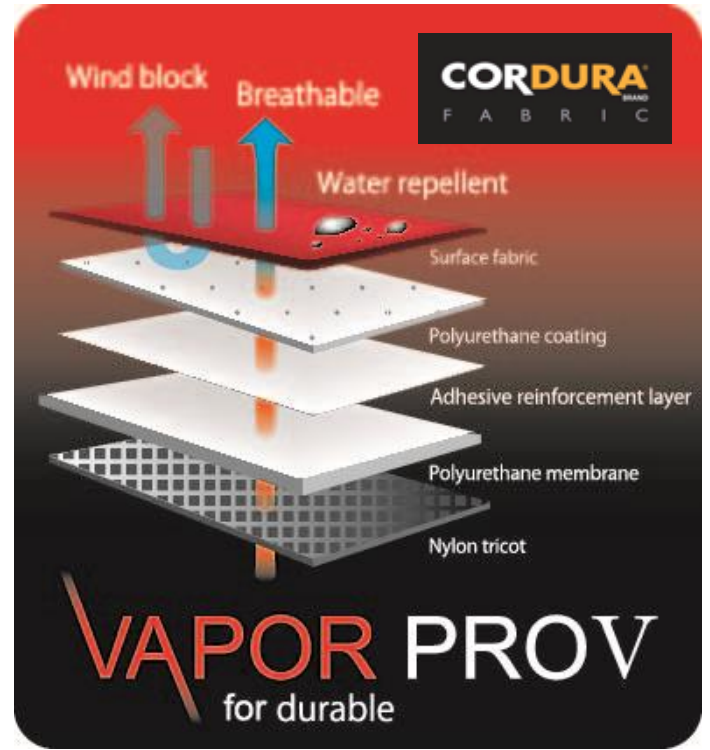
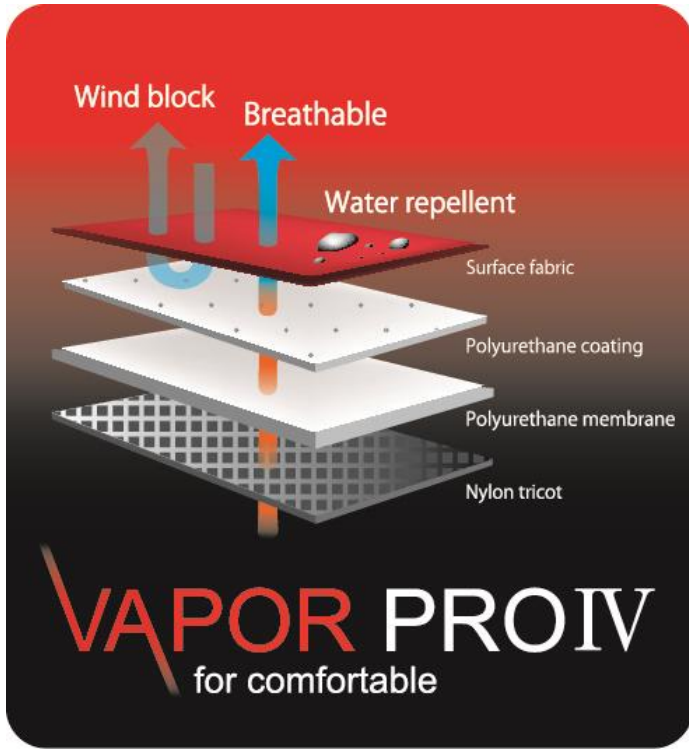
- Surface : 210D Nylon Twill, Water repellent, soft touch
- Second layer. Polyurethane Coating. Breathable and waterproof
- Third layer: Polyurethan membrane laminated. Breathable and waterproof
- Lining: Nylon Tricot



VAPOR PRO V Five Layered fabric

Higher abrasion resistance & Higher water proof and yet breathable

- Surface : 330D CORDURA Nylon for higher abrasion resistance
- Second layer : Polycarbonate Urethan coating. Breathable and waterproof
- Third layer : Adhesive
- Fourth layer : Polyurethan membrane laminated. Breathable and waterproof
- Lining : Nylon Tricot



TECHNICAL DATA

Comparison between Vapor 4 and Vapor 5

Test Items		Test Result		Test methods
		Vapor Pro IV	Vapor Pro V	
Abrasion strength	P1200C-Cw	>1000	>1000	JIS L 1096 A-1
Tensile strength (N)	Warp	1,090	1980	JIS L 1096 A-1
	Weft	789	1340	Tensile speed: 20cm/min
Elongation (%)	Warp	49.7	43.6	Grabbing interval: 20cm
	Weft	39.8	38.2	Sample width: 5cm
Tear strength (N)	Warp	29.6	91.9	JIS L 1096 A-1
	Weft	31.9	82.8	Tensile speed: 10cm/min Sample width: 5cm
Moisture permeability	New	200	90	JIS L 1099 A-1
(g/m2-h)	After 30 washes	200	83	(ISO 110929)
Water resistance (kPa)	New	>500	>500	JIS L 1092 B
	After 30 washes	>500	>500	
Water repellency (Grade)	New	4, 4, 4	4,4,4	JIS L 1092 Spray Test (ISO 811)
	After 30 washes	2, 2, 2	3,3,3	
Oil repellency (Grade)		5.5	5.5	AATCC118

Outlet Valve



■ Easy maintenance

Cover can be easily removed without tools by using the one touch button. Internal parts can be conveniently washed on location.

■ Large exhaust sliding system button (manually-operated)

Complete valve solution created with close attention to shape. 「You can easily manipulate the valve even with 6.5mm thick gloves on」 「Rather than simply pushing a button you can feel the valve in your hand and operate it」 The air exhaust is manually triggered with a sliding button system avoiding sudden involuntary activation.

■ Outlet pressure adjustment lever

You can choose from three automatic exhaust pressure setting levels. You can easily manipulate the valve in the water when wearing 6.5mm thick gloves.

Inlet Valve



■ Large inlet lever

Complete Valve solution created with close attention to shape.

「You can easily manipulate the valve even with 6.5mm thick gloves on」 「Rather than simply pushing a button you can feel the valve in your hand and operate it」 Inflation is manually triggered with a sliding button system avoiding sudden involuntary activation.

■ Easy release

The valve internal structure prevents pressure accumulation. Low pressure hose can be removed with ease.

■ Swivel system

The valve can rotate 360 degrees. Low pressure hose can be connected in any direction.

DRY BOOTS

- Boots sizes: 22~32cm (in 1cm increments)

The entire material surface is strengthened with a Radial Coating process to protect the boots from damage. Furthermore, toes, heels, insteps and ankle areas have been reinforced. The boots' High grip soles prevent sliding on wet decks.



INNER SOLES

- Anti-bacterial, and odor resistant soles

*In general, boots require a shoe size 0.5 cm ~ 1 cm bigger than normal shoe size.

*When ordered boots are 1 cm or bigger than normal shoe size, white soles will be included and others will be Black soles will be included.

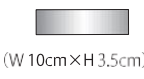
*Depending on sock type, boots might feel tight or loose. Soles can be removed or thicker/thinner soles can be ordered.

1: Side pocket



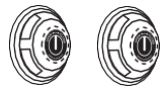
A pocket for storing equipment and taking it out quickly. A D-ring is attached to the inside of the pocket and stored items can be fixed with a string. The material can be chosen from Lycra, Finedex, HD span, and Radial.
W15cm x H18cm x D4cm
XHOP-725001 (pc)

2: Reflector



(W10cm×H3.5cm)
A fixed retroreflective emblem.
XHOP-721001 (pc)
A retroreflective emblem that can be attached and detached with Velcro.
XHOP-721003 (pc)

3: Feet valve



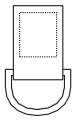
A support valves with a lock function that allows exhaust from the ankle while maintaining the head-first position.
XHOP-726003 (pr)

4: Wrist valve (Right or Left)



A support valve with a lock function that allows you to exhaust by simply raising your hand even in situations where it is difficult to change your posture and operate the main exhaust valve.
XHOP-726003 (pc)

5: D Ring



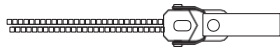
A ring that allows you to hang equipment.
XHOP-729003 (pc)

6: Change to YKK Aquaseal® (Back zipper)



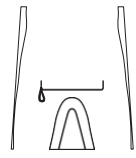
It is an option to change to a Biston type waterproof zip that is lighter and more supple than a general metal waterproof zip and can be opened and closed easily.
XHOP-724007
* It is inferior in durability compared to metal zipper.

7: Change to BDM zipper (Back zipper)



A high-strength waterproof zipper with twice the pressure resistance of standard products.
HXOP-724002

8: Bottom zipper



A pee zipper for Men diver.
XHOP-724001 (Standard zipper)
XHOP-724003 (BDM zipper)
XHOP-724006 (Aquaseal zipper)

9: Knee pads



4D
It is reinforced with resin that does not interfere with the movement of the knee and has excellent penetration strength.
XHOP-723005 (pr)

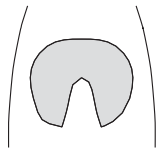


Striped rubber
Reinforce knees with a rubber sheet with striped embossing.
XHOP-723004 (pr)



Rubber
Reinforce knees with a rubber sheet.
XHOP-723003 (pr)

10: Hip pad



Reinforce hip part
XHOP-723006 (Radial)
XHOP-723007 (Jersey)

11: Elbow pads



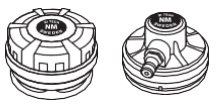
Reinforced elbow part
XHOP-713002(pr)

12: Safety sole



An inner sole that prevents dangerous goods from being stepped on. We have a track record of adoption in disaster areas and disaster sites. The soft coating makes it comfortable to wear.
DA-8005 (22cm ~ 28cm)

13: Non magnetic valves



Valve kit for wearing dry suits in environments where the presence of magnetic substances is a problem.
XHOP-726001

14: Chemical light pocket (Right shoulder or Left shoulder)



XHOP-715004 (pc)

15: O type dry cord lock



XHOP-728004 (pc)

16: Change to high pressure spring valves

Change to a valve that uses a spring with a higher lock pressure than the normal valves.

XHOP-726004

*The valve sticker will be red as a mark.



Please note that the colors in the illustrations may differ slightly from the actual colors.

It realizes the need to partially change colors and specifications according to the required functions such as visibility and mobility. This is a standard model that continues to be adopted by all sea areas and divisions through a wide range of custom variations.

Example1 (The circle ○ on the product image is an example of initial printing location.)

Option (Refer P13)

- 1 : Side pocket x 2
- 2 : Reflector
- 8 : Bottom zipper
- 9 : Knee pads (Rubber)



- Body - A1 = 4.5FX/NP (RED)
- Body - A2 = 4.5FX/NP (RED)
- Body - B = 4.5FX/NP (BLK)
- Body - C = 4.5FX/NP (BLK)

Example2 (The circle ○ on the product image is an example of initial printing location.)

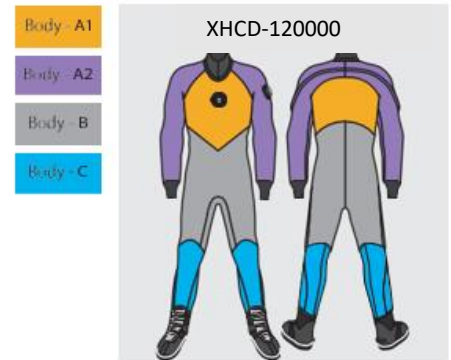
Option (Refer P13)

- 9 : Knee pads (Striped rubber)



- Body - A1 =
- Body - A2 =
- Body - B =
- Body - C =

Color selection part



Code	XHCD-120000
Product	DRSC-AY
Price	
Size	Please refer size chart P24
Color	Color order
Option	Please refer P7

Please note that the colors in the illustrations may differ slightly from the actual colors.

Minimize stress. We have adopted a unique fastener structure (YKK Aquaseal zipper is laid out horizontally from the right chest to the armpits and from the back to the left chest) for outstanding mobility. As a result, the ease of movement around the shoulders has improved dramatically, making paddling easier.

Example1 (The circle ○ on the product image is an example of initial printing location.)

Option (Refer P13)
9 : Knee pads (4D)

Reinforce the shoulders and hips with Melco dot patch



YKK Aquaseal zipper®
Bison type waterproof zip.
It is lighter, more supple and can be opened and closed easily.

- Body - A = 4.5FX/NP (BLK)
- Body - B = 4.5FX/NP (BLK)
- Body - C = 4.5USRD/NP (BLK)
- Body - D = 4.5FX/SP (BLK)

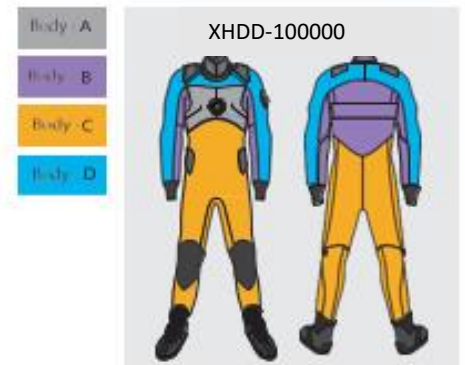
Example2 (The circle ○ on the product image is an example of initial printing location.)

Option (Refer P13)
9 : Knee pads (4D)



- Body - A = 4.5FX/NP (ORG)
- Body - B = 4.5FX/NP (ORG)
- Body - C = 4.5FX/NP (ORG)
- Body - D = 4.5FX/NP (ORG)

Color selection part



Code	XHDD-100000
Product	DRSC-C
Price	
Size	Please refer size chart P24
Color	Color order
Option	Please refer to P7

Please note that the colors in the illustrations may differ slightly from the actual colors.

"Newly structured dry suit that can be donned and doffed by yourself."
Flexible waterproof zips "AQUASEAL®" made by YKK" reduce back tightness felt when leaning forward or moving arms forward. An exhaust valve at the wrist allows air to be expelled simply by raising the hand.

Example1 (The circle ○ on the product image is an example of initial printing location.)

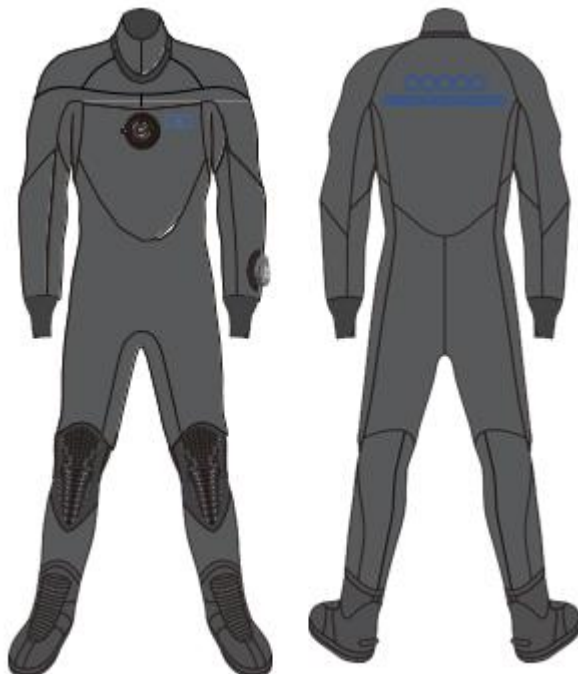


YKK Aquaseal zipper®
Bislon type waterproof zip.
It is lighter, more supple and can be opened and closed easily.



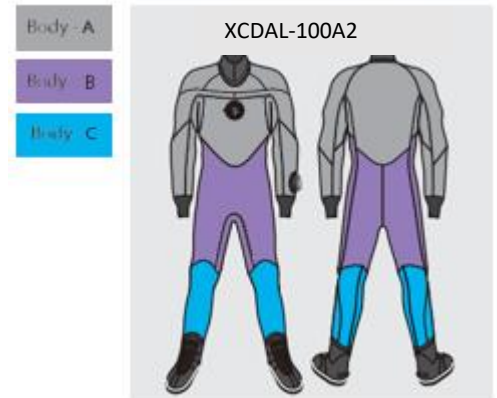
- Body - A = 4.5FX/NF
- Body - B = 4.5U5RD\
- Body - C = 4.5U5RD\

Example2 (The circle ○ on the product image is an example of initial printing location.)



- Body - A = 4.5FX/NP (BLK)
- Body - B = 4.5FX/NP (BLK)
- Body - C = 4.5FX/NP (BLK)

Color selection part



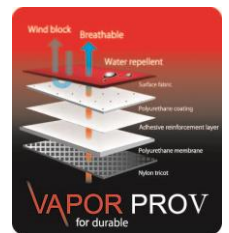
Code	XCDAL-100A2
Product	DRSC-G
Price	
Size	Please refer size chart P24
Color	Color order
Option	Please refer to P7

Please note that the colors in the illustrations may differ slightly from the actual colors.

Outer fabric is made of abrasion-resistant CORDURA 330D and lining is made of a unique PVC laminated material. Self-adjustable cross-chested zipper. Double use of flexible YKK "AQUA SEAL" waterproof zippers and VISLON fasteners for enhanced waterproof zipper protection. In addition, knees and hips, which are easily rubbed, are double-reinforced to support hard diving scenes.



YKK Aquaseal zipper®
 Bison type waterproof zip.
 It is lighter, more supple and can be opened and closed easily.



Please read the QR code to see a video of how to don and doff.

Code	XSDD-0020
Product	DRSC-D
Price	
Size	MEN'S 20 Sizes, WOMEN'S 16 Sizes, (For details, Please refer size chart P24)
Color	Black
Material	High friction resistant material Surface : CORDURA 330D Lining : PVC Neck seal. Wrist seal : Latex
Options	Please refer to P7, 14 Feet valves, Wrist valve Change to Chloroprene seal (Neck and Wrist) Change to DUI neck zip seal G1 (Silicone) Change to DUI wrist zip seal (Silicone) Change to Chloroprene socks Side pocket
Accessory	Suspender, Inner sole, ZIP TECH (YKK AQUASEAL® zipper maintenance wax)

Please note that the colors in the illustrations may differ slightly from the actual colors.

A three-layer material with “rip stop nylon” bonded to both sides of “butyl rubber” is used on the entire surface dry suits. “Butyl rubber” has excellent waterproofness, durability, and flexibility and “rip stop nylon” has supple flexibility and elasticity, and has excellent durability.

A.C.T. is MOBBY’S original dynamic cutting technology that applies anatomical knowledge to patterning. This enables stress-free mobility and a stylish design. We promise safe and secure diving time.



* Photo with side pocket option



YKK Aquaseal zipper®
Bislon type waterproof zip.
It is lighter, more supple and can be opened and closed easily.



Code	KDD-2500
Product	DRSC-E
Price	
Size	MEN'S 20 Sizes, WOMEN'S 16 Sizes, (For details, Please refer size chart P24)
Color	Black (Shoulder panel color selection : CAMO, RED, BLU, BLK)
Material	Trilaminare material Surface : RIPSTOP Nylon MID Layer : Butyl Rubber Lining : RIPSTOP Nylon Neck seal. Wrist seal : Latex
Options	Please refer to P7,14 Feet valves, Wrist valve Change to Chloroprene seal (Neck and Wrist) Change to DUI neck zip seal G1 (Silicone) Change to DUI wrist zip seal (Silicone) Change to Chloroprene socks Side pocket
Accessory	Suspender, Inner sole, ZIP TECH (YKK AQUASEAL® zipper maintenance wax) Drysuits Bag

Please note that the colors in the illustrations may differ slightly from the actual colors.

DRSC-E chest zipper structure model. Easy self-donning, No zippers on the back to increase arm mobility.



YKK Aquaseal zipper®
 Bison type waterproof zip.
 It is lighter, more supple and can be opened and closed easily.



Code	XSDD-0011
Product	DRSC-F
Price	
Size	MEN'S 20 Sizes, WOMEN'S 16 Sizes, (For details, Please refer size chart P24)
Color	Black (Shoulder panel color selection : CAMO, RED, BLU, BLK)
Material	Trilaminare material Surface : RIPSTOP Nylon MID Layer : Butyl Rubber Lining : RIPSTOP Nylon Neck seal. Wrist seal : Latex
Options	Please refer to P7,14 Feet valves, Wrist valve Change to Chloroprene seal (Neck and Wrist) Change to DUI neck zip seal G1 (Silicone) Change to DUI wrist zip seal (Silicone) Change to Chloroprene socks Side pocket
Accessory	Suspender, Inner sole, ZIP TECH (YKK AQUASEAL® zipper maintenance wax) Drysuits Bag

17 : Logo masking



Covers the brand logo of a suit.
XHOP-731031 (pc)
*If you put the original mark on the masking, it will be charged separately.

18 : Change to Chloroprene seals



Neck
Change to Chloroprene neck seal.



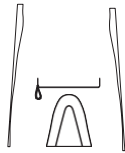
Wrist
Change to a Chloroprene wrist seal. The inner skin material adheres to the skin and prevents water from entering from the wrist.

19 : Change to socks



Change Radial boots to Chloroprene socks.
Lightweight and easy to carry, it can be completely turned inside out to dry.

8 : Bottom zipper



A pee zipper for Men diver.
XHOP-724001 (Standard zipper)
XHOP-724003 (BDM zipper)
XHOP-724006 (YKK Aquaseal® zipper)

20 : Change to DUI Silicon zip seal system



Change to a DUI silicone seal that can be easily replaced without tools. If you have a spare, you can replace it on site, so you can rest assured in case of emergency.
Neck zip seal G1
Wrist zip seal RT/LT 1pr

21 : Change to SI-TECH Silicon seal system



Change to SI-TECH seal system that allows the seal to be replaced using a tool. If you have spares and tools, you can replace them on site, so you can rest assured in case of emergency.
ORUST Neck system (Neck)
SLAGGO Flex ring (Wrist(pr))

22 : Side Pocket



Large capacity side pocket
Option position with RT/LT/Both
H : 27cm
W (Opening) : 20cm
W (Bottom) : 18cm
D : 6cm

Please note that the colors in the illustrations may differ slightly from the actual colors.

The combination of a full-face mask, suit body, and integrated hood protects the diver's body from exposure to contaminated water. Rubber-coated chloroprene foam as suit material provides superior mobility.



A system with a built-in latex list that allows you to easily and securely attach and detach special dry gloves is standard equipment.



Code	XCDD-4000
Product	PHPS (HAZMAT DRY)
Price	
Size	S, M, ML, L, XL (Refer size chart below)
Color	Black
Material	3.5mm Rubber coated chloroprene form
Accessory	Suspender, Inner sole

Chemical resistance test ASTM-F-739 completed.
We have acquired permeation data for major harmful substances transported overseas. (See below)

Chemical permeability test results

Permeation reagent		Permeation concentration after 5 hours (mg/l)
Acetone cyanohydrin	Undiluted solution	*1
	10% sea aqueous solution	*2
Cresol	Undiluted solution	Not detected
	10% sea aqueous solution	Not detected
Styrene (monomer)	Undiluted solution	12.9
	10% sea aqueous solution	4.16
Acrylonitrile	Undiluted solution	144.4
	10% sea aqueous solution	84.8
Sulfuric acid	Undiluted solution	6.8
	10% sea aqueous solution	Not detected
Vinyl acetate	Undiluted solution	208.6
	10% sea aqueous solution	205.1
Propylene acetate	Undiluted solution	300.7
	10% sea aqueous solution	177.3
Sodium hydroxide	Undiluted solution	Not detected
	10% sea aqueous solution	Not detected
Hydrochloric acid	Undiluted solution	Not detected
	10% sea aqueous solution	Not detected
Nichiren dioxide	Undiluted solution	196.8
	10% sea aqueous solution	141.3
Ethyl alcohol	Undiluted solution	4.05
	10% sea aqueous solution	0.15
Crude oil	Undiluted solution	0.71
	10% sea aqueous solution	0.75
C Heavy oil	Undiluted solution	0
	10% sea aqueous solution	0.01
Jet fuel	Undiluted solution	0.29
	10% sea aqueous solution	0.19

(cm)	S	M	ML	L	XL
Height	160	165	170	175	180
Upper Chest	88	90	92	94	96
Waist	72	74	76	78	80
Crotch to Ankle	67	69	71	73.5	75.5

* Please contact us if you require a size other than the above.

*1 The gas after permeation was not stable and decomposition products were detected, but qualitative and quantitative analysis could not be performed due to instability.

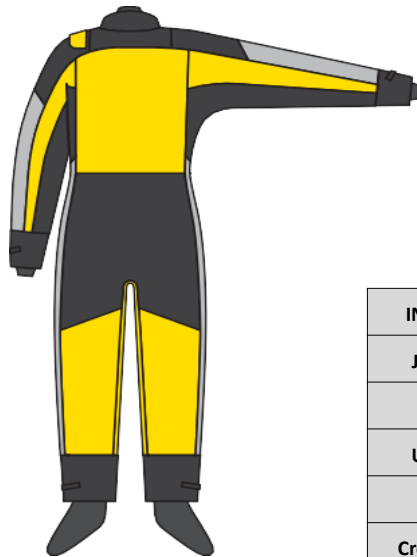
*2 The gas after permeation was not stable and decomposition products were detected, but qualitative and quantitative analysis could not be performed due to instability.

However, a trace amount (0.1mg/l or less) of acetone was detected.

Japan Chemical Industrial Co., Ltd.

Please note that the colors in the illustrations may differ slightly from the actual colors.

A completely waterproof suit for the purpose of marine rescue in cold waters. Since the body uses a breathable waterproof material, the moisture inside the suit can be discharged. In addition, the knees and hip are reinforced with anti-friction fabric to prevent damage to the body and suit due to friction with obstacles.



Code	XSFD-630000 (Front zipper)
Product	SRSC
Price	
Size	M,L,XL,XXL (Refer to size chart)
Color	Yellow / Black / Grey
Material	Body : Vapor pro (210D Nylon twill + Breathable waterproof membrane Neck seal, Wrist seal : Latex
Options	Please refer to P13, 18-19 Bottom zipper Change to Chloroprene seal / Change to socks
Sub material	Suspender



INT SIZE (cm)	S	M	L	XL
JP SIZE (cm)	M	L	XL	XXL
Height	168	175	183	190
Upper Chest	88	94	102	110
Waist	74	78	84	92
Crotch to Ankle	70	74	77	80

about DRY SUITS OPTIONS ▶ ▶ ▶

18 : Change to Chloroprene seals



Neck
Change to Chloroprene neck seal.

19 : Change to socks

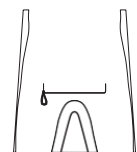


Wrist
Change to a Chloroprene wrist seal. The inner skin material adheres to the skin and prevents water from entering from the wrist.



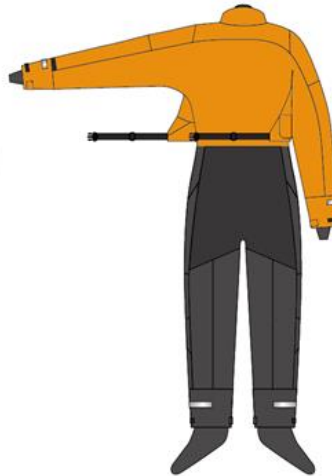
Change Radial boots to Chloroprene socks. Lightweight and easy to carry, it can be completely turned inside out to dry.

8 : Bottom zipper



A pee zipper for Men diver.
XHOP-724001 (Standard zipper)
XHOP-724003 (BDM zipper)
XHOP-724006 (YKK Aquaseal® zipper)

Maximum durability, waterproof and breathable



Body	330D CORDURA Nylon , Water Proof and Breathable 5 layer fabric with taped.
Hips	Reinforced with 600D Polyester double layer fabric, abrasion resistance
Knees	Reinforced with double layer fabric and 3mm neoprene pads built in.
Neck, Wrists	Latex seal with over cuff for protection Elastic, Fit well but weak against heat and Ozone
Front zipper	Bib Entry, Horizontal layout plastic zipper on waist which is "AQUASEAL" developed by collaboration with YKK and MOBBY'S
Pee Zipper	YKK "AQUASEAL" zipper for men
Suspender	Adjustable suspender
Pocket	Multi purpose pocket on left forearm
Reflector	on wrists and ankles
Name Velcro	on upper arms to attach name patches
Foot	Elastic latex socks
Size	20 Men sizes and 16 Women sizes Please refer size chart P24
Color	Available two colors Yellow/Black, Red/Black



VAPOR PRO V

Five Layered fabric

Higher abrasion resistance & Higher water proof and yet breathable

- Surface : 330D CORDURA Nylon for higher abrasion resistance
- Second layer : Polycarbonate Urethane coating. Breathable and waterproof
- Third layer : Adhesive
- Fourth layer : Polyurethane membrane laminated. Breathable and waterproof
- Lining : Nylon Tricot

a b o u t D R Y S U I T S O P T I O N S ▶ ▶ ▶



VAPOR PRO IV

Four layered fabric

In order to achieve both of breathable and waterproof, 210 denier NYLON TWILL is adopted. The main features are as follows:

- Surface : 210D Nylon Twill, Water repellent, soft touch
- Second layer. Polyurethane Coating. Breathable and waterproof
- Third layer: Polyurethan membrane laminated. Breathable and waterproof
- Lining: Nylon Tricot

■ Neck Seal & Wrist Seal



Change to Chloroprene seals
More durable than latex and keep warm

Silicon Seal with self-replaceable system (SI-TECH)

Hi weatherability, chemical resistance but lower tear strength.
Modular solutions able quick change of seals without the use of tools or glue

XHCR-820000 DRY HOOD

Fabric selectable

5mm FX/NP
3.5mm FX/SP

A.C.T

DRY SUITS



Please note that the colors in the illustrations may differ slightly from the actual colors.

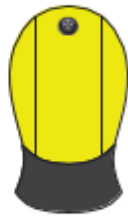
A skin face seal that fits snugly on the face keeps water out. Furthermore, the air inside the hood is surely exhausted, and the original exhaust system (S.E.V.) which does not allow inundation from the outside is adopted. The neck part is also stretchable and easy to wear, reducing the feeling of tightening the neck.

EXAMPLE

STYLE : DRY HOOD



Front



Back

Body - A = 3.5FX/SP (YEL)



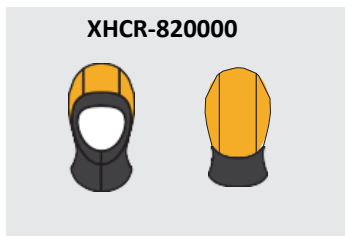
S.E.V. = Soft Exhaust Valve

This is a unique patented function that does not allow water to enter the inside while discharging the air inside the hood. (PAT.3152624)

Code	XHCR-820000
Product	DRY HOOD
Size	MTM or Ready-made
Color	Order
Options	Mask holder / Eyeshade Bib / Without S.E.V. Air drain hole on the head (6 pcs) *Without S.E.V. Reflector

Color selection part

Body - A



(CM)	S	MS	M	ML	L	XL	XXL
HEAD	54-55	55-56	56-57	57-58	58-59	59-60	60-61
NECK	29-31	31-33	33-35	35-37	37-39	39-41	41-42

XKJX-810000 HOOD

Fabric selectable

5mm FX/NP
3.5mm FX/SP

A.C.T

DRY SUITS



Please note that the colors in the illustrations may differ slightly from the actual colors.

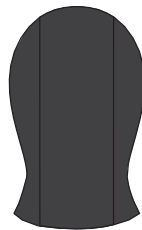
Simple and basic hood. Air drain hole on the head

EXAMPLE

STYLE : HOOD



Front



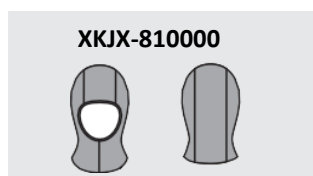
Back

Body - A = 3.5FX/SP (BLK)

Code	XKJX-810000
Product	HOOD
Size	MTM or Ready-made
Color	Order

Color selection part

Body - A



(CM)	S	MS	M	ML	L	XL	XXL
HEAD	54-55	55-56	56-57	57-58	58-59	59-60	60-61
NECK	29-31	31-33	33-35	35-37	37-39	39-41	41-42

Please note that the colors in the illustrations may differ slightly from the actual colors.

The steel toecap used for boots has performance that conforms to the JIS T8101 safety boot standard. In addition, a stepping prevention is standard equipment on the boots. The knees and hips are reinforced with friction-resistant material for added durability.



Steel toe caps used in boots have performance that complies with JIS T8101, the standard for safety shoes.

Code	XCDW-3000
Product	LWF
Size	M, L, XL (Refer to size chart)
Color	Orange
Material	Body : Cordura 300D Breathable waterproof material Reinforcement : Melco dot

(cm)	M	L	XL
Height	170	175	180
Upper Chest	92	94	96
Hip	93	95	97
Crotch to Ankle	71	73	75
Foot	26	27	28

* Please contact us if you require a size other than the above.

Please note that the colors in the illustrations may differ slightly from the actual colors.

A model that emphasizes "high durability" that can be used in deep depths, long hours, high frequency, and harsh usage environments. The main body connects the minimum number of panels required with waterproof radial tape.



The standard specifications of the exhaust valve are designed to exhaust more than a certain thickness for safety even when locked, but it is also possible to increase the lock pressure upon request.

It uses waterproof zipper (BDM 12TZN CR), has approximately twice the pressure resistance performance of the standard specification.

Pee zipper (option)

Rubber pad in the photo is available (option)
*The standard is a radial pad.

Radial boots or boots type hard boots are available.
*The photo shows is radial boots.

Code	XCDD-5000
Product	PRO DRY BE
Price	
Size	Ready-made size (Refer to size chart)
Color	Black
Material	3.5mm or 5mm Hard Radial(HRD)/Standard Jersey(ST)
Option	Please refer to P13, 16-17, Feet valves / Wrist valve / Waterproof pee zipper Change to high pressure spring exhaust valve
Sub material	Neck belt, Wrist belt, LP hose, zipper wax Drysuit bag, Repair kit

(cm)	SA	SB	MA	MB	LA	LB	LLA	LLB	3LA	3LB
Height	161-165	161-165	166-170	166-170	171-175	171-175	176-180	176-180	181-185	181-185
Weight	46-54	50-58	54-62	58-66	62-70	66-74	70-78	74-82	78-86	82-90
Neck to Ankle	55-60	55-60	59-64	59-64	63-68	63-68	67-72	67-72	71-76	71-76
Upper Chest	85-91	89-95	89-95	93-99	93-99	97-103	97-103	101-107	101-107	105-111
Waist	70-76	74-80	74-80	78-84	78-84	82-88	82-88	86-92	86-92	90-96
Hip	82-88	86-92	86-92	90-96	90-96	94-100	94-100	98-104	98-104	102-108
Thigh girth	45-50	48-53	48-53	51-56	51-56	54-59	54-59	57-62	57-62	60-65
Crotch to Ankle	64-67	64-67	67-70	67-70	70-73	70-73	73-76	73-76	76-79	76-79
Foot size	24-24.5	24-24.5	25-25.5	25-25.5	26-26.5	26-26.5	27-27.5	27-27.5	28-28.5	28-28.5
Boots size	26	26	27	27	28	28	29	29	30	30

* Please contact us if you require a size other than the size chart.

Please note that the colors in the illustrations may differ slightly from the actual colors.

A hot water heating suit that supports long-term diving and deep diving work at low temperatures. A 6mm high-strength jersey and special pressure-resistant material are used for the suit body. Hot water is supplied all over the body by the built-in tubes distributed into 6 systems. An easy-to-operate manifold valve allows instantaneous switching of hot water supply and discharge, and stress points on both knees are reinforced with rubber kneepads.



Code	XHWD-2000
Product	HWS GLOVE
Size	M, L, XL
Color	Red
Material	Armor tex (ATX) / Standard Jersey (ST)

Code	XHWD-1000
Product	HWS FULLSUIT
Size	S, M, L, XL (Refer to size chart)
Color	Red
Material	Armor tex (ATX) / Standard Jersey (ST)



Code	XHWD-3000
Product	HWS BOOTS
Size	27cm, 28cm, 29cm
Color	Red
Material	Armor tex (ATX) / Standard Jersey (ST)

(cm)	S	M	L	XL
Height	170	175	180	185
Upper Chest	98	102	106	110
Waist	76	80	84	88
Hip	81	85	89	93
Crotch to Ankle	69	71	73	75

* Please contact us if you require a size other than the size chart.



Code	GS-9240K
Product	3SJ SHARK GLOVE
Size	S, M, L, XL
Color	Black
Material	3mm Shark skin / Jersey



Code	GS-9160K
Product	3WJ NON SLIP GLOVE II
Size	S, M, L, XL
Color	Blue
Material	3mm W Jersey



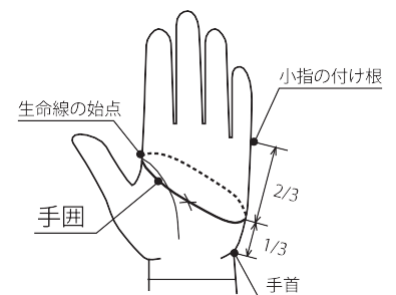
Code	GS-9310K
Product	3JR GLOVE
Size	S, M, L, XL
Color	Black
Material	3mm Jersey / Repel skin



Code	GS-9320K
Product	3JR FINGERTIP DIPPING GLOVE
Size	S, M, L, XL
Color	Black
Material	3mm Jersey / Repel skin



Code	GS-9330K
Product	3JR PALM DIPPING GLOVE
Size	S, M, L, XL
Color	Black
Material	3mm Jersey / Repel skin



(cm)	S	M	L	XL	XXL
Hand girth	21.0	23.0	25.0	27.0	29.0

SIZE CHART

MEN'S		Inch.																			
USA SIZE	XXS	XS	S	S+	S++	M	M+	M++	M+++	M++++	L	L+	L++	L+++	XL	XL+	XL++	XXL	XXL+	XXXL	XXXL+
HEIGHT	5'3"	5'5"	5'7"	5'7"	5'7"	5'9"	5'9"	5'9"	5'9"	5'9"	5'11"	5'11"	5'11"	5'11"	6'1"	6'1"	6'1"	6'3"	6'3"	6'3"	6'3"
CROTCH TO ANKLE(Inside leg length)	25 1/2"	27"	27 1/2"	27 1/2"	27 1/2"	29"	29"	29"	29"	29"	29 1/2"	29 1/2"	29 1/2"	29 1/2"	31"	31"	31"	31 1/2"	31 1/2"	32 1/2"	32 1/2"
NECK BONE TO CROTCH(Torso Height)	25 1/2"	26 1/2"	27 1/2"	27 1/2"	28"	28 1/2"	28 1/2"	28 1/2"	29"	28 1/2"	29 1/2"	29 1/2"	29 1/2"	30"	30 1/2"	30 1/2"	30 1/2"	31 1/2"	31 1/2"	32 1/2"	32 1/2"
GIRTH OF NECK	12"	13"	14"	15"	16 1/2"	14 1/2"	15 1/2"	16"	17"	17 1/2"	15 1/2"	16"	17"	17 1/2"	16"	17"	17 1/2"	17"	17 1/2"	17 1/2"	17 1/2"
UPPER CHEST	34 1/2"	35 1/2"	36"	38"	40"	37"	39"	41"	44"	47"	38 1/2"	41"	44"	47"	40"	44"	48"	43"	47"	45"	49"
WAIST	28 1/2"	29"	30"	36"	38"	31"	36 1/2"	38 1/2"	42"	45"	32"	38 1/2"	42"	45"	33"	42"	45 1/2"	36"	40"	40"	46 1/2"
HIPPS	34 1/2"	35"	35 1/2"	37 1/2"	40 1/2"	36"	38"	40"	44 1/2"	47 1/2"	37"	40"	43"	47 1/2"	38"	43"	47"	40 1/2"	44 1/2"	45"	49"
NECK BONE TO WRIST	28"	29"	30"	30"	30"	31 1/2"	31 1/2"	31 1/2"	31 1/2"	31 1/2"	32 1/2"	32 1/2"	32 1/2"	32 1/2"	33 1/2"	33 1/2"	33 1/2"	34"	34"	34 1/2"	34 1/2"
BOOTS (JP/US/EU)	25/6/39	26/7/40	27/8/41	28/9/42.5	28/9/42.5	28/9/42.5	29/10/44	29/10/44	29/10/44	29/10/44	29/10/44	30/11/45	30/11/45	30/11/45	30/11/45	31/12/46.5	31/12/46.5	31/12/46.5	32/13/48	32/13/48	32/13/48

WOMEN'S		Inch.																
USA SIZE	XXS	XXS+	XS	XS+	S	S+	S++	M	M+	M++	L	L+	L++	L+++	XL	XL+	XXL	
HEIGHT	5'1"	5'1"	5'3"	5'3"	5'5"	5'5"	5'5"	5'7"	5'7"	5'7"	5'9"	5'9"	5'9"	5'9"	5'11"	5'11"	6'1"	
CROTCH TO ANKLE(Inside leg length)	25"	25 1/2"	25 1/2"	26 1/2"	27"	27 1/2"	27 1/2"	28 1/2"	28 1/2"	28 1/2"	29 1/2"	29 1/2"	29 1/2"	29 1/2"	30 1/2"	30 1/2"	31"	
NECK BONE TO CROTCH(Torso Height)	24 1/2"	24 1/2"	25 1/2"	25 1/2"	26 1/2"	26 1/2"	26 1/2"	27"	27"	27"	28"	28"	28"	28"	29"	29"	30"	
GIRTH OF NECK	11 1/2"	13"	12"	13 1/2"	13"	14"	14"	13 1/2"	14"	15"	14"	14"	15"	16"	14"	15 1/2"	14 1/2"	
UPPER CHEST	31"	35"	31 1/2"	36"	34 1/2"	37 1/2"	39"	36"	39"	42"	37 1/2"	39"	42"	45 1/2"	39"	44"	40 1/2"	
WAIST	25 1/2"	27 1/2"	26 1/2"	29"	28 1/2"	30 1/2"	33"	29"	33"	36"	30 1/2"	33"	36"	39 1/2"	33"	38"	34 1/2"	
HIPPS	34"	37 1/2"	34 1/2"	38"	37"	39"	41 1/2"	38"	41 1/2"	44 1/2"	39"	41 1/2"	44 1/2"	46 1/2"	41 1/2"	45"	42"	
NECK BONE TO WRIST	27"	27"	28"	28"	29"	29"	29"	30"	30"	30"	31"	31"	31"	31"	32"	32"	33"	
BOOTS (JP/US MEN/EU)	24/5/37.5	24/5/37.5	25/6/39	25/6/39	26/7/40	26/7/40	26/7/40	27/8/41	27/8/41	27/8/41	28/9/42.5	28/9/42.5	28/9/42.5	28/9/42.5	29/10/44	29/10/44	30/11/45	

MEN'S		cm																			
USA SIZE	XXS	XS	S	S+	S++	M	M+	M++	M+++	M++++	L	L+	L++	L+++	XL	XL+	XL++	XXL	XXL+	XXXL	XXXL+
HEIGHT	160.0	165.0	170.0	170.0	170.0	175.0	175.0	175.0	175.0	175.0	180.0	180.0	180.0	180.0	185.0	185.0	185.0	190.0	190.0	195.0	195.0
CROTCH TO ANKLE(Inside leg length)	65.0	68.0	70.0	70.0	70.0	73.0	73.0	73.0	73.0	73.0	75.0	75.0	75.0	75.5	78.0	78.0	78.0	80.0	80.0	83.0	83.0
NECK BONE TO CROTCH(Torso Height)	65.0	67.0	70.0	70.0	70.5	72.0	72.0	73.0	72.0	72.0	75.0	75.0	75.0	75.5	77.0	77.0	77.0	80.0	80.0	83.0	83.0
GIRTH OF NECK	30.0	33.0	36.0	38.5	42.0	37.0	39.5	40.5	43.0	44.0	39.0	40.5	43.0	44.0	41.0	43.0	44.0	43.0	44.0	44.0	44.0
UPPER CHEST	88.0	90.0	92.0	97.0	102.0	94.0	99.0	104.0	112.0	120.0	98.0	104.0	112.0	120.0	102.0	112.0	122.0	110.0	120.0	114.0	124.0
WAIST	72.0	74.0	76.0	91.0	96.0	78.0	93.0	98.0	106.0	114.0	81.0	98.0	106.0	114.0	84.0	106.0	116.0	92.0	102.0	102.0	118.0
HIPPS	88.0	89.0	90.0	95.0	103.0	92.0	97.0	102.0	113.0	121.0	94.0	102.0	109.0	121.0	96.0	109.0	119.0	103.0	113.0	114.0	125.0
NECK BONE TO WRIST	71.0	74.0	77.0	77.0	77.0	80.0	80.0	80.0	80.0	80.0	82.5	82.5	82.5	82.5	85.0	85.0	85.0	86.5	86.5	87.0	87.0
BOOTS (JP/US /EU)	25/6/39	26/7/40	27/8/41	28/9/42.5	28/9/42.5	28/9/42.5	29/10/44	29/10/44	29/10/44	29/10/44	29/10/44	30/11/45	30/11/45	30/11/45	30/11/45	31/12/46.5	31/12/46.5	31/12/46.5	32/13/48	32/13/48	32/13/48

WOMEN'S		cm																
USA SIZE	XXS	XXS+	XS	XS+	S	S+	S++	M	M+	M++	L	L+	L++	L+++	XL	XL+	XXL	
HEIGHT	155.0	155.0	160.0	160.0	165.0	165.0	165.0	170.0	170.0	170.0	175.0	175.0	175.0	175.0	180.0	180.0	185.0	
CROTCH TO ANKLE(Inside leg length)	63.0	64.5	65.0	67.0	68.0	69.5	69.5	72.0	72.0	72.0	74.5	74.5	74.5	74.5	77.0	77.0	79.5	
NECK BONE TO CROTCH(Torso Height)	62.0	61.5	65.0	64.0	67.0	66.5	66.5	69.0	69.0	69.0	71.5	71.5	71.5	71.5	74.0	74.0	76.5	
GIRTH OF NECK	29.0	33.0	30.0	34.0	33.0	35.0	36.0	34.0	36.0	38.0	35.0	36.0	38.0	40.0	36.0	39.0	37.0	
UPPER CHEST	79.0	88.0	80.0	91.0	88.0	95.0	99.0	91.0	99.0	107.0	95.0	99.0	107.0	115.0	99.0	111.0	103.0	
WAIST	65.0	70.0	67.0	73.0	72.0	77.0	84.0	73.0	84.0	92.0	77.0	84.0	92.0	100.0	84.0	96.0	88.0	
HIPPS	87.0	95.0	88.0	97.0	94.0	99.0	105.0	97.0	105.0	113.0	99.0	105.0	113.0	117.0	105.0	115.0	107.0	
NECK BONE TO WRIST	68.0	68.0	70.0	70.0	73.5	73.5	73.5	76.0	76.0	76.0	79.0	79.0	79.0	79.0	81.0	81.0	83.5	
BOOTS (JP/US MEN/EU)	24/5/37.5	24/5/37.5	25/6/39	25/6/39	26/7/40	26/7/40	26/7/40	27/8/41	27/8/41	27/8/41	28/9/42.5	28/9/42.5	28/9/42.5	28/9/42.5	29/10/44	29/10/44	30/11/45	



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