

THOR - COMMERCIAL RUBBER DRYSUIT



THICKNESS	STYLE
1000G	FRONT ENTRY OR REAR ENTRY
1600G	REAR ENTRY ONLY

Product Description

Suitable for toxic incidents where non-chemical permeability is essential or for toxic body recovery. The suit can easily be washed down after an incident.

The Thor drysuit is built from vulcanised rubber and features vulcanised laminated polymers carried on a multidirectional 4-way-stretch knitted polyester which provides superior strength and durability.

Thor is suitable for commercial diving applications but is also an excellent option for military and rescue purposes as well as sport diving.

Northern Diver only use high grade rubber and EPDM to achieve a superior polymer mix which out-performs the competition.

Thor is built to the usual high-standards that divers expect from Northern Diver drysuits with our Quality Control Management to BS EN ISO 9001:2008 ensuring that all Northern Diver products are of the highest quality and manufacturing standards.

Thor has been thoroughly tested at the Texas Institute. All Thor drysuits are CE approved and conform to the latest EEC PPE Directive regarding drysuits.

Independent tests show that the Thor drysuit is resistant to chemical and biological permeation. Full details available on request.

Thor drysuits can be manufactured to any personal specifications, including reflective overprinting, extra reinforcement or protection and pockets. Our Thor drysuits can also be made from black rubber on request.

Thor Options

Thor drysuit neck/wrist seals and boots can be changed - this includes a full range of options such as lightweight swimming boots, wide-fitting boots for static commercial diver operations where additional insulation is required, and safety boots with steel toe-caps and mid-sole. There are also drysuit custom fit Neck Yoke, additional pockets, dry glove systems and convenience zip.

Chemical Permeation & Biological Penetration Tests

The majority of divers using Thor drysuits in contaminated water requires information regarding the suit's protective qualities to be made available. Thor suits underwent permeation testing under worst case scenario conditions – 100% chemical exposure for the entire length of the test.

Although these test conditions are unlikely in any chemical diving environment the results demonstrate the protection offered under most normal circumstances.

Permeation Test Results

The permeation values are based on the time it takes for the chemical to permeate the suit material. The permeation test is performed up to 480 minutes. The reports that indicate greater than 480 minutes means that no chemical was detected above 0.1 mg/ min/ cm² for 8 hours duration.

Actual Breakthrough vs. Normalized Breakthrough

Actual breakthrough is reported in minutes and occurs when initial breakthrough is detected. Each chemical tested has unique characteristics and minimal detectable limits.

For example: if a chemical has a minimum detectable limit of 0.059 mg/ min/cm², actual breakthrough is reported when challenge chemical concentrations reach 0.059 mg/ min/ cm² or greater. Normalized breakthrough occurs when challenge chemical breakthrough concentrations reach 0.1 mg/ min/ cm² or greater (AaSTMm Ff739).

Maximum and Minimal Detectable Rates

This indicates the maximum level of chemical detection using the permeation test system. Minimal detectable rate is the lowest rate of permeation that is detectable with the permeation system.

Steady State Permeation

The constant rate of permeation that occurs after breakthrough when the chemical contact is continuous and all forces affecting permeation has reached equilibrium.

When Diving in Polluted, Contaminated or Generally Abnormal Environments

Northern Diver's Thor drysuit has been developed and tested for use in these conditions and as such should be regarded as an integral component of your diving plans. Diving in contaminated environments is potentially extremely dangerous with risks of potential loss of life. All information supplied within this brochure intended purely for informative purposes only. It is not a substitute for proper training and should not be regarded as so. The information in the brochure is not a substitute for applicable regulations or standards and is not published as legal advice or opinion in any way. Thor drysuits have been tested to standard ASTM F 739

Decontamination

After exposure to a contaminated environment, the Thor drysuit must be decontaminated ensuring that all contaminants have been removed from the drysuit. Diving in contaminated environments should not be undertaken by those without the highest level of training. All risks should be understood prior to any contaminated environment diving with all risks carefully planned for and the utmost care taken

DRYSUIT'S

LADIES (METRIC, CM)

	S	M	MR	ML	MLR	L	LR	XL	XLR	XXL
HEIGHT	160	165	165	168	168	170	170	173	173	175
WEIGHT (KG)	51	57	67	67	76	76	86	86	95	99
NECK (NEOPRENE)	31.8	31.8	33	33	34.3	34.3	35.6	35.6	36.8	36.8
WRIST (NEOPRENE)	15.5	15.2	15.9	15.9	16.5	16.5	16.5	17	17	17
CHEST/BUST	86 - 91	91 - 96.5	101.5	101 - 107	112	107 - 112	117	117 - 122	122	127
WAIST	81	86	91	91	96.5	96.5	101.5	107	122	117
HIP	91	96.5	107	101.5	112	107	117	112	112	127
ALL ROUND	142	147	152	152	157	157	162.5	162.5	168	173
NECK BASE - WRIST	66	67	67	68.5	68.5	71	71	72	72	73.5
FOREARM	25	26.5	26.5	28	28	28	28	29	29	30
CROTCH TO FLOOR	73.5	75	75	76	76	77.5	77.5	79	79	81
SHOE SIZE (GB)	4	5	5	6	6	6	6	7	7	7

MENS (METRIC, CM)

	XS	S	M	MR	ML	MLT	MLR	L	LR	XL	XLT	XLR	XXL	XXLR	XXXL
HEIGHT	162	168	173	173	178	180	178	183	183	188	188	188	193	193	196
WEIGHT (KG)	130	64	70	83	83	85	95	89	102	95	95	108	102	102	117
NECK (NEOPRENE)	35.5	36.8	36.8	39	39	39	39.3	39.3	40.6	41.9	41.9	43	43	43	46
WRIST (NEOPRENE)	16.5	17	17	18	18	18	18.4	18.4	18.4	18.4	18.4	19	19	20.3	20
CHEST/BUST	86 - 91	91 - 96.5	96 - 102	106	101 - 106	101 - 106	112	107 - 112	117	112 - 117	112 - 117	112	117 - 112	127 - 130	127
WAIST	71 - 76	76 - 81	81 - 86	91	86 - 91	86 - 91	102	91 - 97	107	96 - 102	96 - 102	112	107 - 112	117 - 122	117
HIP	86 - 91	91 - 96.5	96 - 102	107	102 - 107	102 - 107	112	107 - 112	117	112 - 117	112 - 117	122	117 - 122	127 - 130	127
ALL ROUND	144	150	155	160	160	165	168	165	173	170	170	175	175	180	183
NECK BASE - WRIST	68	68.5	71	71	76	79	79	79	79	81	81	81	81	81	84
FOREARM	25	25.5	28	28	29	29	29	30.5	30.5	32	32	32	33	33	34
CROTCH TO FLOOR	76	79	81	81	84	86	84	85	85	86	86	86	91	91.5	91.5
SHOE SIZE (GB)	6	7	8	8	9	9	9/10	9/10	9/10	10/11	10/11	10/11	10/11	11	12