

NIXUS | RIBS High Pressure Inflatable Hall



Rigid Inflatable Beam Structure for wide span installations



1 - 4 h



4 - 8 persons



100 - 120 km/h



30 - 50 kg/m²



Front and lateral modularity with other RIBS products of same size. Connectable with ISO and Landrover via connection tunnels.

GENERAL DATA

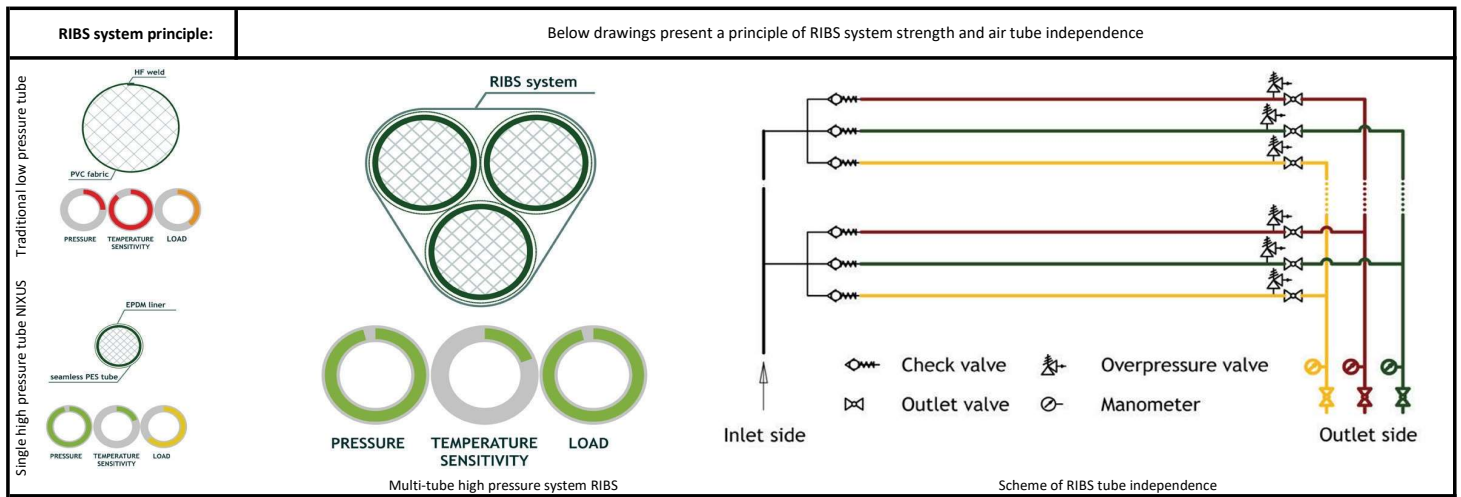
tent model:	NIXUS RIBS - High pressure inflatable hall of large span, using multi-tube RIBS technology.		
tent system:	High-pressure pneumatic system of tubes, fixed to the heavy duty roof. The tent is inflated by air compressor, packed by segments for easier handling.		
technical description of frame system:	Patented, high-pressure multi-tube arc beams Ø150 mm, pressurized to 6-8 bar. Structure is reinforced by longitudinal horizontal tubes on the top of the roof.		
use:	An ideal solution for UAV hangars, maintenance halls and canteens needed to be often relocated, taking into account simple logistics and quick assembly and disassembly.		
model benefits:	NIXUS RIBS is the safest inflatable tent on the market. The multi-tube structure consisting of independent air chambers ensures multiple safety in the event of damage to the beam. The concept of the tube system works similarly to metal truss frames. There is no inflatable system on the market with similar mechanical and safety properties.		
general benefits:	High-pressure tents are an optimum solution to extreme weather conditions, resistant to temperature fluctuation. Seamless tubes do not need automatic pressure control pump. Slim RIBS air beams do not create an obstacle inside of the tent. In a case of structure deformation in extreme weather conditions it automatically reverse back to the original shape.		
structure inner pressure:	collapse pressure: 1,5 bar	working pressure: 4-8 bar	destruction pressure: 30 bar, safety valves set up to 8 bar

MODEL DATA

horizontal reinforce:	SI system	high-pressure inflatable horizontal tubes (it is preparation for sunshade).				
dimension:	Model	dimension (m)			(m²)	<p>triple-beams</p> <p>① single point air connection ② main beams ③ spacers ④ pneumatic connection hose</p>
		width	length	height	Floor area	
	RIBS-85-88	8,5	8,0	4,3	68,0	
	RIBS-85-116		11,6		98,6	
	RIBS-85-144		14,4		122,4	
	RIBS-105-116	10,5	11,6	5,3	121,8	
	RIBS-105-144		14,4		151,2	
	RIBS-105-172		17,2		180,6	
	RIBS-120-144	12,0	14,4	6,0	172,8	
	RIBS-120-172		17,2		206,4	
RIBS-120-200	20,0		240,0			
RIBS-120-229	22,9		274,8			
walk allowable height: (from beams)	type of tent	width (m)	A (m)	B (m) height		
	RIBS-85	8,5	0,3	2,0		
	RIBS-105	10,5				
	RIBS-120	12,0				

modules:	app. 2,8 m span per module
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description:	<p>① canopy</p> <p>② main beams</p> <p>③ gable walls with doors, ducts with flaps and ventilation openings</p> <p>④ spacers</p> <p>⑤ single point air connection</p> <p>⑥ pneumatic connection hose</p> <p>⑦ windows</p> <p>⑧ sunshade (camouflage, thermal, infrared)</p> <p>⑨ liner (insulation, hygienic)</p> <p>⑩ antislippery pvc floor</p> <p>⑪ visors</p>	
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MATERIAL SPECIFICATION

working temperature range:	- 46° to +70°C		
weight:	Typically 1 - 3 ton, depends on total size of the hall. For transport and easier handling product is divided into segments not exceeding 400kg.		
material of beams:	2200 g EPDM coated HT tubes, FR, grey colour Flame Resistance: vertical flammability accord. to STN EN ISO 15025:2003, STN EN 6941:2004; Tear resistance according to STN EN ISO 4674-1:2004; Mechanical properties Tightness tests		
material of canopy:	900 g/m ² , FR, opaque PVC coated PES, UV resistant, antimildew. All zippers are HF welded, waterproof grade, bicolor with desert matt outside surface/ grey inside, matt olive green/grey or matt white/white (as a standard colours)	matt olive green	matt sand
		grey	white
	Flame Resistance: vertical flammability accord. to STN EN ISO 15025:2003, STN EN 6941:2004; FNFPA 701; Fed.Std. 191-5903		
floor:	Normally without floor or on request 480, 650 or 900 g/m ² , FR, PVC coated PES; grey colour Flame Resistance: horizontal flammability accord. to STN 80 4414:1997; FNFPA 701; Fed.Std. 191-5903		

TENT COMPONENTS

gable walls:	removable, easy to service, different types for modularity with other tents, landrover, ISO,...	
windows:	optional 3-layer window (changeable mosquito net and TPU film, outer flap, rain keder)	
doors:	Soft manual foldable hangar door, electric rolling hangar door, gable or lateral personal or Landrover door, gable tunnel adapter to interconnect to ISO container	
anchoring:	standard anchoring by ropes and pegs - original ropes ready to use (polyester with plastic cleat) and "T" steel pegs. Ballast bags on remand	
	Standard scope of the delivery: PVC floor, side windows at each tent segment, personal door, duct sleeves for HVAC and ventilation opening at each removable gable wall, anchoring ropes and stakes, repair kit level 1, inflation hose with manometer, PVC transport bag, log book	


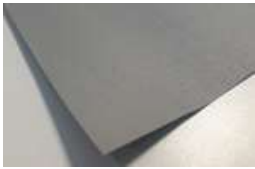

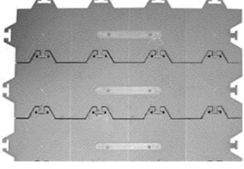







tent set includes:			
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VARIABILITY

properties:	dimensions, fabric type, colour, numbers and size of windows, cross door instead of window, ISO tunnels, Landrover tunnels .. for different use purpose
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accessories :	hygienic or insulation liner; sunshade, IR camouflage net, hard or soft floor, cable tunnels, berths,...
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basic options:	insert soft floor, antislippery PVC, FR, 480 g/m2 	insert insulation soft antislippery 2 mm; 850 g/m2 PVC, FR, 	underfloor grade tiles - 4,8 kg/m2 LDPE 	modular floor, 27 mm; 4,7 kg/m2 PPCP 
	hygienic inner liner; 1-layer Ripstop, 75- 90 g/m2, polyester 	insulation inner liner, 3-layer, 430 g/m2, polyester 		
	sunshade, bicolour (sand/green) PVC mesh 330 g/m2 	IR camouflage net, 300 g/m2 Polyamide, PVC 	connecting tunnel, 650 g/m2, FR, PVC 	Landrover lateral door 

equipment :	air compressors, electric distribution boxes, cables and LED lights, HVAC
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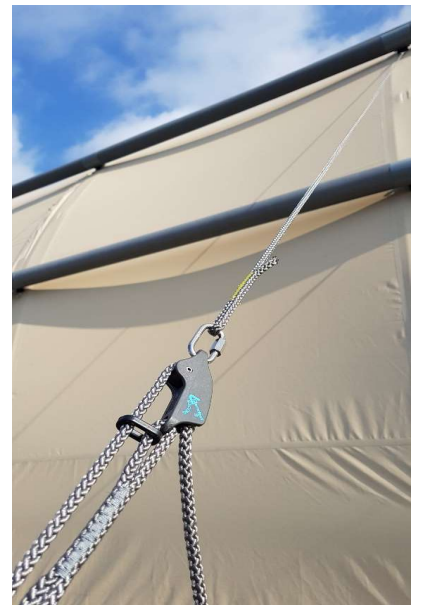
basic options:	frame air compressor 1000l/min 	lighting, LED tubes (white or white/red option) 	small electric distribution box 	HVAC  
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PACKING

packing of tent:	all tents are packed to durable PVC bag, pegs separately in small PVC bags  
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packing for transport:	foldable Mega JUMBO box, HDPE 	foldable wooden box Clip-Lok 	wooden frame pallet (cage) 
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Completely developed and produced in E.U.
Quality certificate ISO 9001:2015 and environmental certificate ISO 14001:2015, AQAP 2010:2017, NCAGE 1461M
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