AIR TURQUOISE SA | PARA-TEST.COM

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes

Approximately 30 % chord



Flight test report: EN 926-2:2013 & LTF 91/09

AirDesign GmbH	Certification number	F	PG_1541.2019		
Rhombergstraße 9, 4.Stock 6067 Absam Austria	Flight test	04.07.2019			
Vivo XXS	Classification	Е	3		
	•				
no	r lace of test	villeneuve			
	Light pilot under Air Turquoise supervision		Claude Thurnheer		
		S	Supair - Altiplume M		
stance (cm)	•		·		
• •		40			
` '					
r (kg)	50	1	2		
	A				
		A		A	
required		Α	No	Α	
dos d			No		
·		Α	No	A	
van IIn		۸	Vaa	۸	
				A	
trois larger than 10 km/n				A	
		А	Less than 25 km/m	A	
o 80 kg	A				
<u>-</u>	Increasing / greater than 55 cm	Δ	Increasing / greater than 55 cm	Α	
	mercasing / greater than 55 cm		mercasing / greater than 55 cm		
•	not available	0	not available	0	
=	not available	0	not available	0	
	A			_	
	Dive forward less than 30°	Α	Dive forward less than 30°	Α	
	No	Α	No	Α	
g controls during accelerated	Α				
	No	Α	No	Α	
ping	Α				
	Reducing	Α	Reducing	Α	
als	Α				
ght flight	Spontaneous exit	Α	Spontaneous exit	Α	
ly developed spiral dive	В				
rst 180°)	Immediate reduction of rate of turn	Α	No immediate reaction	В	
rst 180°) ght flight	Immediate reduction of rate of turn Spontaneous exit (g force decreasing, rate of turn decreasing)	A A	Spontaneous exit (g force decreasing, rate of turn decreasing)		
rst 180°)	Immediate reduction of rate of turn Spontaneous exit (g force		Spontaneous exit (g force	B A A	
	Rhombergstraße 9, 4.Stock 6067 Absam Austria Vivo XXS XB31XXS1PP191407P no no no stance (cm) sers (cm) t (kg) required equired m/h trols larger than 10 km/h 80 kg t / travel g to 100 kg f / travel ter than 100 kg f / travel ccelerated flight g controls during accelerated sing	Rhombergstraße 9, 4.Stock 6067 Absam Austria Vivo XXS XB31XXS1PP191407P Representative Place of test Increasing / greater trian fright Representative Representative Place of test Increasing / greater than 55 cm Representative Representativ	Rhombergstraße 9, 4.Stock 6067 Absam Austria Vivo XXS XB31XXS1PP191407P Representative Place of test No Light pilot under Air Turquoise supervision Woody Valley - Access M Setance (cm) 43 44 50 A Smooth, easy and constant rising A A Required No A A Increasing / greater than 55 cm A Solo 80 kg A Increasing / greater than 55 cm A A Dive forward less than 30° A Reducing A Redicing A Reducing	Rhombergstraße 9, 4.Stock 6067 Absam Austria Vivo XXS Classification B XB31XXS1PP191407P Representative None Place of test Villeneuve No Light pilot under Air Turquoise supervision Woody Valley - Access M Supair - Altiplume M 43 43 43 43 440 40 40 40	

Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	Α	Dive forward 0° to 30° Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No		No	
At least 50% chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in 3 s to 5 s	В
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping	Α	Dive forward 0° to 30° / Keeping	Α
. .	course		course	
Cascade occurs	No	Α	No	Α
Folding lines used	No		No	
With accelerator				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Entering a turn of less than 90°	Α	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	Α	No	Α
		^		~
Folding lines used	No		No	
11. Exiting deep stall (parachutal stall)	A		V	
Deep stall achieved	Yes	Α	Yes	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
Change of course	Changing course less than 45°	Α	Changing course less than 45°	Α
Cascade occurs	No	Α	No	Α
12. High angle of attack recovery	A			
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Cascade occurs	No	Α	No	Α
13. Recovery from a developed full stall	A			
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
Collapse	No collapse	Α	No collapse	Α
Cascade occurs (other than collapses)	No	Α	No	Α
Rocking back	Less than 45°	Α	Less than 45°	Α
		Α	Most lines tight	A
Line tension	Most lines tight B	^	wost lines tight	A
14. Asymmetric collapse	В			
Small asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	Α	Less than 90° / Dive or roll angle 0° to 15°	Α
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No		No	
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	Α	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No		No	
Small asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	Α	Less than 90° / Dive or roll angle 0° to 15°	Α

Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No		No	
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	Α	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No		No	
15. Directional control with a maintained asymmetric	A			
collapse				
Able to keep course	Yes	Α	Yes	Α
180° turn away from the collapsed side possible in 10 s	Yes	Α	Yes	Α
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	Α	More than 50 % of the symmetric control travel	Α
16. Trim speed spin tendency	A			
Spin occurs	No	Α	No	Α
17. Low speed spin tendency	A			
Spin occurs	No	Α	No	Α
18. Recovery from a developed spin	A			
Spin rotation angle after release	Stops spinning in less than 90°	Α	Stops spinning in less than 90°	Α
Cascade occurs	No	Α	No	Α
19. B-line stall	A			
Change of course before release	Changing course less than 45°	Α	Changing course less than 45°	Α
Behaviour before release	Remains stable with straight span	Α	Remains stable with straight span	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
Cascade occurs	No	Α	No	Α
20. Big ears	В			
Entry procedure	Dedicated controls	Α	Dedicated controls	Α
Behaviour during big ears	Stable flight	Α	Stable flight	Α
Recovery	Spontaneous in 3 s to 5 s	В	Spontaneous in less than 3 s	Α
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
21. Big ears in accelerated flight	В			
Entry procedure	Dedicated controls	Α	Dedicated controls	Α
Behaviour during big ears	Stable flight	Α	Stable flight	Α
Recovery	Recovery through pilot action in less than a further 3 s	В	Spontaneous in less than 3 s	Α
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	Α	Stable flight	Α
22. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	Α	Yes	Α
Stall or spin occurs	No	Α	No	Α
23. Any other flight procedure and/or configuration described in the user's manual	0			
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0