



WSV Vertical Static Coiler

Expertise, Customer Driven, Service – in Good Hands with NIEHOFF



WSV

Design:

- wire coiling onto the spool by a rotating flyer bell
- traversing of the spool via ball screw spindle driven by a servo motor (hydraulic by WSV 1000).
- winding pattern (cylindrical, conical) can be preselected via freely programmable control (PLC)
- foundation-free installation (except WSV 1000)

Increase in quality:

- specially developed ceramic wire guides in the flyer bell for low wire elongation losses

Increase in productivity:

- customized level of automation due to variable design of spool conveyor or transportation systems

Energy and cost efficiency:

- user-friendly machine layout, with easy maintenance

Technical data

type		WSV 631	WSV 801	WSV 1000
max. production speed	m/s	35	35	35
	fpm	6,890	6,890	6,890
production range				
individual wire Cu soft				
min. individual wire dia.	mm	0.25	0.25	0.25
	AWG	30	30	30
max. individual wire dia.	mm	2.0	2.0	2.0
	AWG	12	12	12
wire bundle				
min. wire bundle cross-section	mm ²	0.102	0.102	0.102
	AWG	27	27	27
max. wire bundle cross-section	mm ²	5.5	5.5	5.5
	AWG	10	10	10
max. spool flange dia.	mm	630	800	1,000
max. input rating	kW	28	42	60
	HP	37.54	56.32	80.46
machine dimensions (W x D x H)	m	4.30 x 2.50 x 4.20	4.30 x 2.50 x 4.20	3.00 x 2.70 x 4.20
weight	kg	approx. 5,500	approx. 5,500	approx. 7,800

We reserve the right to modify technical specifications according to technical improvement and advances. 03.2018