



Product Group:

Heat Treatment Units

Type:

VAS

Revision:

04-2025

Order No.:

see catalogue

<http://www.weldotherm.com>

Fully automatic, program-controlled heat treatment units in various power sizes.

Different versions of 2- channel to 12 channel systems.

The control channels can be operated individually or in groups (master-slave).

For controlling the temperature, you could choose between individual Digit700 or the control system Digit1000. High flexibility through ports for 30V and 60V heaters. Faults are indicated optically and acoustically.

Emergency stop main switch. Secondary RCD circuit breaker. Phase control. Forced shutdown in case of overtemperature in the power transformer. Individual protection of the heating circuits.

The registration of the temperatures via a built-in chart recorder or paperless recorder with 256MB CF card, USB interface and PC software (standard). RS232 / 485, Ethernet interface (option) are available on request.

Technical Data

Technical Data	VAS 45-6	VAS 70-6 / 12	VAS 82-6	VAS 82-12	VAS 100-12	VAS 130-6 / 12
Heating zones / control zones	6	6 or 12	6	12	12	6 or 12
Current per zone	135A	180A / 90A	225A	6 x 90/135A	135A	360A / 180A
Voltage per zone	30VAC / 60VAC					
Power at 100% duty cycle	45kW	70kW	82kW	82kW	100kW	130kW
Fuse each zone	125A	180A / 100A	250A	6 x 100/125A	125A	355A / 200A
Control voltage mains	230V, 50/60Hz					
Control voltage connection cable	3 x 1,5mm² / 5m /assembled with SHUKO plug					
Cross section / Length / Connector						
Connection values primary side	400V, 63A 500V, 52A	400V, 95A 500V, 75A	400V, 119A 500V, 95A	400V,119A 500V, 95A	400V, 145A 500V, 116A	400V, 188A 500V, 151A
Connection cable Cross section Length Plug 500V plug on request	NSSHÖU 4 x 16mm² 5m CEE- plug 5- pole 400V / 63A	NSSHÖU 4 x 25mm² 5m CEE-plug 5- pole 400V / 125A			NSSHÖU 4x50mm² 5m Without plug, pre-assembled for permanent connection	
Temperature detection (external)	Type K (NiCr-Ni)					
Input jack temperature sensor	Thermopanel with standard compensation sockets Type K (NiCr-Ni)					
Program controller	6 x D700 or 1 x D1000	6/12 x D700 or 1 x D1000	6 x D700 or 1 x D1000	12 x D700 or 1 x D1000	12 x D700 or 1 x D1000	6/12 x D700 or 1 x D1000
Control range	-20....+1200°C					
Recorder	Standard: Paper recorder AH47/6-12 or according to customer requirements					
Recording range	0....+1200°C					
Weight in kg	390	480 / 550	500	590	600	600 / 680
Dimensions in mm (W x H x D)	900 x 1300 x 800			1150 x 1350 x 900		
Protection class	IP 22					
Environmental conditions	-20 ... +50°C, max. 75% rel. Humidity, non-condensing					
Force ventilated transformer	Temperature-controlled 2-stage fan					
Sound emission	< 70 dB (A)					

Reserve technical changes.