YOUR GLOBAL PARTNER FOR PIPELINE EQUIPMENT




vietz
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VFT

Large-format pipes made from thermoplastic material
are welded using butt welding technology.
The butt welding machine is bulky and takes up so much space
that, for large-format pipes, it makes sense
to mount it securely on a mobile platform.

The hot plate requires electricity. Retracting and guiding the pipes along the butt welding machine is made considerably easier by hydraulic components. The welding should be carried out under controlled conditions and be documented.

And to make the welding operations more independent from weather conditions, it would be advisable to perform them under a roof.


Vietz
VT-500

All these thoughts occurred to us, so we developed the machine series VFT. The VFT combines a working hydraulics system for the tracked running gear and the hydraulic components, a generator for the electric power supply, a spacious, air-conditioned cabin, which contains the butt welding machine including plane and hot plate, and front and back arms for grabbing, positioning and placing the pipe. The operator moves the machine from the cabin using a single-handed control. The second hand thus remains free for operating the other machine components.

The VFT means that fewer people are needed at the construction site, while the number of welds performed per day increases. The welding parameters per weld can thereby be gathered and stored via data logging.

The VFT 500 is able to process pipes with outer diameters of 180 to 500 mm by using insets for the butt welding machine. The application area of the VFT 900 covers pipe diameters between 340 and 900 mm.

TECHNICAL SPECIFICATION **VFT 500**

	Unit	TYPE 500	
Pipe sizes	inch	For 6" IPS to 20" OD (HDPE Pipe)	
ENGINE		**International**	**EU**
Type		TCD 2013 L04 V2	TAD571VE
Fuel		diesel	diesel
No of cylinders	pcs	4	4
Configuration		inline-four	inline-four
Displacement	l	4.8	5.1
Cooling		liquid	liquid
max. Power	kW/hp	129 / 175 @2300 rpm	129 / 175 @2300 rpm
Working rotational speed	rpm	1500	1500
Emission class		EPA Tier 3 / EU Stage III A	EU Stage V
Electrical system	V	24 DC	
Onboard control system		Vietz VCU	
BUTT WELDING MACHINE		**McElroy**	
Type		PitBull® 500	
Pipe sizes (min. - max.)	mm	180 - 500	
Available inserts*	mm	180 | 200 | 219 | 225 | 230 | 250 | 273 | 280 | 282 | 315 | 324 335 | 340 | 355 | 389 400 | 406 | 442 | 450 | 457 | 495 | 500	
Heater power	W	4000	
Pivoting (Facing, Heating)		hydraulic	
Cylinder force option		Medium force	
GENERATOR		**Three-phase synchronous brushless 2 pole**	
Electrical power	kVA	12,8	
Frequence @3000 rpm	Hz	50	
COMPRESSOR*		**Rotorcomp screw compressor**	
Type**		EVO3-NK	
Operating pressure air	bar / psi	10 / 145	
Volume flow	m³/min	2	
UNDERCARRIAGE			
Track chain type		B2	
Top rollers | Bottom rollers	pcs	2 | 9	
Gauge	mm	3310	
Triple grouser shoes width	mm	500	
Ground pressure	kg/cm²	0,44	
Hill climping capacity	°	30	
Low speed | High speed	km/h	3,6 | 4,9	
TANK CAPACITY			
Diesel	l	300	
Hydraulic	l	240	
HEATABLE CAB			
Rollover proection system (ROPS)		Standard	
Removal welding unit from cabin		Standard	
AIR CONDITION		**Konvekta Thermo Systems**	
Under floor Condenser & Evaporator		B76 & R134a	
Air volume	m³/h	1800	
Cooling capacity	W	9000	
BASIC SPECIFICATIONS			
Dimensions (L x W x H)	mm	13370 x 2850 x 3070	
Operating weight	kg	14800	
Transport dimensions (L x W x H)	mm	11100 x 2850 x 3360	
Transport weight	kg	14500	
Ambient temperature	°C	-20 ... +55	
Special Features		Rear view camera | Tinted windows Two additional power outlets | FM Radio with MP3	
Article no.		**38500**	

* optionally available | ** other types on request | Mistakes and changes are reserved

TECHNICAL SPECIFICATION **VFT 900**

	Unit	TYPE 900	
Pipe sizes	inch	For 12" IPS to 36" OD (HDPE Pipe)	
ENGINE		**International**	**EU**
Type		TCD 2013 L06 2V	TAD871VE
Fuel		diesel	diesel
No of cylinders	pcs	6	6
Configuration		inline-six	inline-six
Displacement	l	7.1	7.7
Cooling		liquid	liquid
max. Power	kW/hp	200 / 272 @2300 rpm	185 / 252 @2200 rpm
Working rotational speed	rpm	1500	1500
Emission class		EPA Tier 3 / EU Stage III A	EU Stage V
Electrical system	V	24 DC	
Onboard control system		Vietz VCU	
BUTT WELDING MACHINE		**McElroy**	
Type		1236	
Pipe sizes (min. - max.)	mm	340 - 900	
Available inserts*	mm	340 | 350 | 355 | 400 | 450 | 500 | 560 | 630 | 710 | 800 | 900	
Heater power	W	20461	
Pivoting (Facing, Heating)		hydraulic	
Cylinder force option		Medium force	
GENERATOR		**Three-phase synchronous brushless 4 pole**	
Electrical power	kVA	45	
Frequence @3000 rpm	Hz	50	
COMPRESSOR*		**Rotorcomp screw compressor**	
Type**		EVO3-NK	
Operating pressure air	bar / psi	10 / 145	
Volume flow	m³/min	2	
UNDERCARRIAGE			
Track chain type		D4	
Top rollers | Bottom rollers	pcs	4 | 15	
Gauge	mm	5140	
Triple grouser shoes width	mm	600	
Ground pressure	kg/cm²	0,44	
Hill climping capacity	°	30	
Low speed | High speed	km/h	1,8 | 3,1	
TANK CAPACITY			
Diesel	l	450	
Hydraulic	l	500	
HEATABLE CAB			
Rollover proection system (ROPS)		Standard	
Removal welding unit from cabin		Standard	
AIR CONDITION		**Konvekta Thermo Systems**	
Under floor Condenser & Evaporator		B76 & R134a	
Air volume	m³/h	1800	
Cooling capacity	W	9000	
BASIC SPECIFICATIONS			
Dimensions (L x W x H)	mm	17430 x 4000 x 3740	
Operating weight	kg	28000	
Transport dimensions (L x W x H)	mm	9940 x 3530 x 3680	
Transport weight	kg	25500	
Ambient temperature	°C	-20 ... +55	
Special Features		Pipe rotator front boom | Pipe feeder | Pipe centering | Rear view camera | Tinted windows Two additional power outlets | FM Radio with MP3	
Article no.		**38502**	

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