YOUR GLOBAL PARTNER FOR PIPELINE EQUIPMENT







VACUVIETZ

Pipelines consist of many juxtaposed pipes.
Each of them have to be loaded, unloaded
and arranged on the pipeline route at least once.

Deploying belt slips, cables or chains as lifting tackle presents some serious drawbacks: their use is time-consuming and requires a lot of manpower, not ideal regarding work safety and can also affect the coating of the pipes. The Vacuvietz product series has been developed to allow pipes to be lifted without these drawbacks. To do this, the vacuum lifter is combined with a suction pad suitable for the load.

By creating a vacuum between the load and the suction pad, loads of up to 25 t can be lifted with the Vacuvietz, depending on the machine model.


SUMITOMO
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To lift loads that are longer than 12 m or extremely heavy, we work with several suction pads, which are connected to the basic Vacuvietz device via an interim lifting beam.

The Vacuvietz and suction pad thereby function as load-carrying equipment that can be connected to the hoisting machine either via a crane hook or via a digger connection with a rotator. This technology is proven and safe. For example, if the engine breaks down, the system will hold the vacuum long enough to set the load down safely.

The functions of the vacuum lifter are controlled remotely. Large indicator lights and manometers on the Vacuvietz also allow it to be operated from some distance away – for example, from the driver's cab of the digger that is functioning as hoisting machine.

The machines of the Vacuvietz series are available with an electric drive (400V, with three-phase A.C. current) for use for example in factory halls. For a self-powered version, e.g. on the building site, the devices with diesel engines are recommended. VIETZ produces the devices of the Vacuvietz series with a load capacity of 12, 16, 20 or 25 t.

Suction pads for all standard pipe sizes are available, and equally for e.g. prefabricated concrete parts or similar loads. Changing the suction pads is extremely quick and easy, so it's no problem to use one machine with several pipe sizes.

TECHNICAL SPECIFICATION **VACUVIETZ**

Unit		Model			
		12 D	16 D	20 D	25 D
Application		Adequate for all Vietz suction pads (Single, Vario, Twin or with a traverse)			
GENERAL					
Lifting capacity	t	12	16	20	25
Type of power		Diesel engine			
Possible working machine		Crane, side boom, excavator			
Connection to the Vacuvietz		Center			
Distance between the crane hooks	mm	-			
MEASUREMENTS AND WEIGHT					
Length	mm	3450	3450	3450	3450
Width	mm	850	850	850	920
Height	mm	810	810	810	830
Weight (without equipment)	kg	1150	1200	1400	1500
POWER UNIT		**both engines apply for all diesel Vacuvietz**			
Engine		Yanmar L100N6FJ		Yanmar L100V	
Rotational speed	rpm	3600		3600	
Power	kW/hp	7,4 / 10		6,8 / 9,3	
Displacement	ccm	435		435	
Emissions class		–		EU Stage V	
Fuel tank	l	45			
Vacuum pump		Busch Mink Typ MM 1102 BV			
Vacuum pump type		Rotary piston vacuum pump			
Norminal pumping flow rate	m³/h	135			
Article no.		**47007L**	**47001L**	**on request**	**47013**
ARTICLE NO. OF EQUIPMENT					
Crane hook*		47300	47300	on request	47310
Telescop bars*		47002			
Adapter for exavator**		47218		on request	
Hydraulic rotator + hoses**		47315A+47218B+47218C		on request	
Arctic-kit		on request			
Remote control		47132M			

* Teleskope bars to be used when working with crane hook against unwanted rotation | ** will be client-specific made / delievered / Have to be used together
Mistakes and changes are reserved

TECHNICAL SPECIFICATION **VACUVIETZ**

Unit	Model					
	12 E - 1 H	16 E - 1 H	25 E - 1 H	12 E - 2 H	16 E - 2 H	25 E - 2 H
	Adequate for all Vietz suction pads (Single, Vario, Twin or with a traverse)					
t	12	16	25	12	16	25
	Electric motor					
	Crane, indoor crane			Crane, indoor crane (with two hooks)		
	Center			left & right		
mm	-			3220	4000	3300
mm	3500	4020	3500	3550	4400	3620
mm	760	680	760	770	680	760
mm	1400	1400	1320	1100	1290	1320
kg	900	1250	1200	1150	1280	1100
	Electric motor, integrated in the vaccum pump (asynchronous motor)					
rpm	3000					
kW/hp	2,8 / 3,8					
ccm	-					
	-					
l	-					
	Busch Mink MM 1102 BV 50 Hz (400 V)					
	Rotary piston vacuum pump with a electric motor					
m³/h	110					
	47310E	**47001E**		**on request**		
	incl.					
	-					
	-					
	-					
	-					
	47132M					

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VIETZ GMBH

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