

VERDERAIR EODD 2ND GENERATION

VA-2E50

The VA-2E50 is an electric driven double diaphragm pump. With the wide range of different available materials for pump body, valve seats, valve balls and diaphragms, this pump is the ideal problem solver in a wide range of applications across many industries. It's smart, simple, cost-effective, clean and environmentally responsible. It's designed to be quieter, lighter, more reliable, and easier to maintain.



Your benefits

- Energy efficient
- Low noise level
- Can stall against close discharge
- Can run dry without damage
- Dry self priming

Technical Data						
Weight (kg)	Fluid section : coding	Fluid section material				
	A	Aluminium		44,9		
	S	Stainless Steel 316		73,5		
	I	Cast iron		74,8		
	C	Conductive Polypropylene		45,4		
	P	Polypropylene		45,4		
	K	Kynar (PVDF)		53		
Max. suction lift (mwc)		Dry		5,48		
		Wet		4,8		
Temperature (°C)	Fluid section	Internals				
	A, S, I	AC		-29	82	
		AL		-51	135	
		BN		-12	82	
		NW, NE, NO		-12	82	
		VT		-40	135	
		PP		0	79	
		TS		-40	82	
		TF		-40	104	
		TO		-40	82	
		GE		-40	82	
		SP		-40	82	
		HY		-40	82	
		SS		-51	135	
		KY		-12	107	
		K	all, except PP		-12	82
			PP		0	66
P	all		0	66		
Max. particle size (mm)				6,4		
Max. sound pressure (dBa)		at full power and flow		77		
Max. fluid pressure (bar)				7		
Max. recommended viscosity (mPas)				20.000		
Pump supplied with electrical cable	Drive type					
	D2	4,5 meter with plug IEC60320-C20				
	D4	4,5 meter, flying leads				

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Code VA-2E50 No.1 No.2 No.3 No.4.No.5.No.6.No.7

No. 1 Fluid Section Material

- ⊕ A = Aluminium
- ⊕ S = Stainless Steel 316
- ⊕ I = Cast iron
- P = Polypropylene
- ⊕ C = Conductive Polypropylene
- K = Kynar (PVDF)

No. 2 Drive Section specs + Material

- D2= 220-240V, 15A, 1phase,50/60 Hz, Aluminium, Black powder coated
- ⊕ D4= 220-240V, 15A, 1phase,50/60 Hz (ATEX), Aluminium, Black powder coated

No. 3 Check Valve seat material

- AC = Acetal
- AL = Aluminium

- BN = Buna-N
- VT = Viton (FKM)
- GE = Geolast
- HY = Hytrel
- PP = Polypropylene
- KY = Kynar (PVDF)
- SP = Santoprene
- SS = Stainless Steel

No. 5 Diaphragm material

- BN = Buna-N
- GE = Geolast
- HY = Hytrel
- SP = Santoprene
- TS = PTFE/Santoprene 2 piece
- TO = PTFE/EPDM overmold
- NO = Neoprene overmold
- VT = Viton (FKM)

No. 6 Connections

- FC = Center flange DIN DN50/ANSI 2" (only non-metallic pumps)
- FE = End flange DIN DN50/ANSI 2" (only non-metallic pumps)
- TN = Threaded NPT 2", female (only metallic pumps)
- TB = Threaded BSPT 2", female (only metallic pumps)

No. 7 Options

- OO = Standard

Note not all combinations are available

⊕: II 2 G Ex dh IIB T4 Gb, Note : only with D4 drive

Example pump type

VA-2E50A D2 AL TF TS TB OO

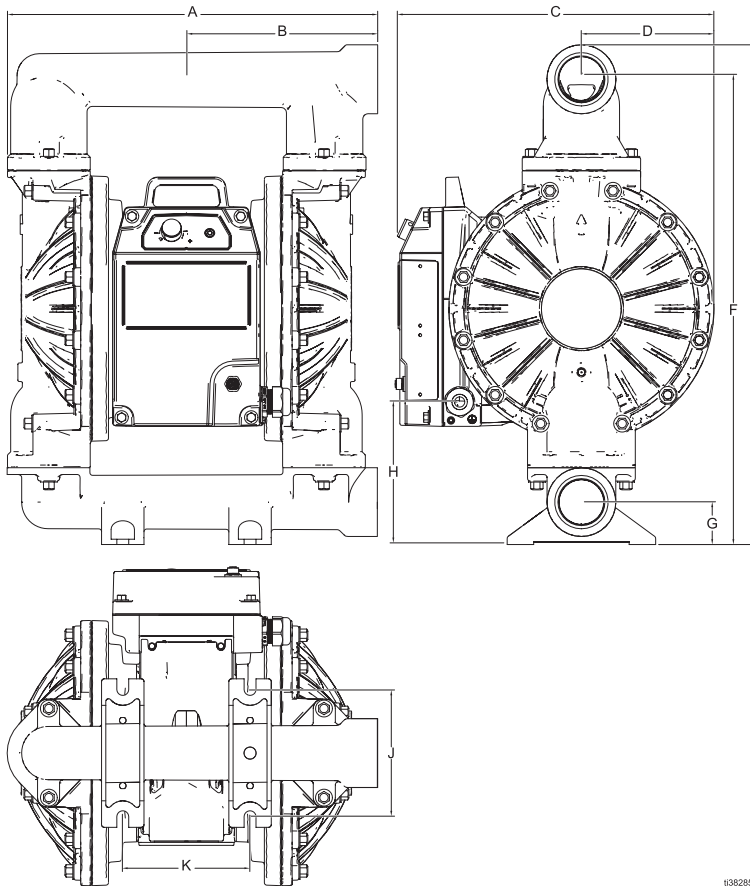


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Dimensions



i38285a

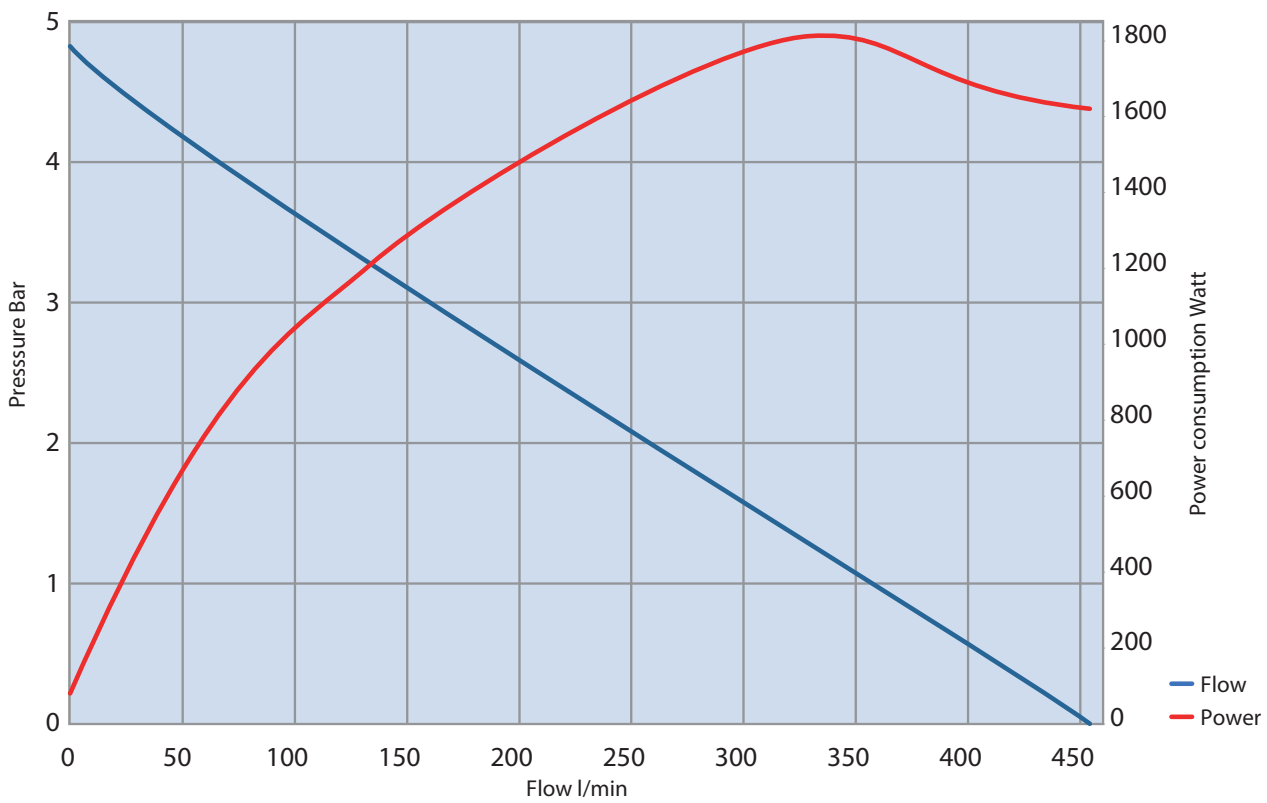
Ref.	Wetted Section Material					
	A		I, S		C, P, K	
	cm	in.	cm	in.	cm	in.
A	44.45	17.50	46.05	18.13	50.04	19.70
B	22.86	9.00	23.88	9.40	27.94	11.00
C	37.82	14.89	37.82	14.89	37.82	14.89
D	15.88	6.25	15.88	6.25	15.88	6.25
E	59.94	23.60	66.90	26.34	65.28	25.70
F	55.63	21.90	62.97	24.79	57.66	22.70
G	5.08	2.00	6.35	2.50	8.89	3.50
H	17.07	6.72	22.89	9.01	19.13	7.53
J	15.24	6.00	15.24	6.00	15.24	6.00
K	15.24	6.00	16.51	6.50	15.24	6.00

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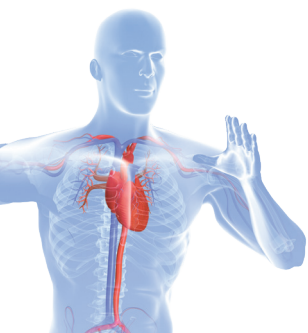
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Performance chart



Datasheet Verderair VA-2E50-eu-v1



Find your local supplier at www.verderliquids.com

For construction, installation and floor mounting drawings
please contact your local authorised Verderair® distributor.

VERDER
passion for pumps