

Verderair

VA 20 Metallic



Description

The VA20 non-metallic double diaphragm pumps are excellent pumps for use in a wide range of applications across many industries. Special versions are available to make them easy to install on standard drums. The pumps are available in 2 different materials for the pump body and 6 different materials for the diaphragms. This makes it possible to select the best solution for your application.

Your benefits

- Dry self-priming
- Can run-dry without damage
- Easy to install, operate and maintain
- Less downtime
- Free of air lubrication
- Non-stalling air valve

Technical data			
Weight [kg]	Fluid & air section	AP	3,9
		SP	8,2
Max. suction lift [mwc]		Dry	4,5
		Wet	7,6
Temperature [°C]	Fluid section	Internals	
	A, S	BN, HY, SP, TO	5 82
	A, S	TF, VT	5 107
Max. Particle size [mm]			2,5
Max. recommended viscosity (mPas)			5000

Code VA20 No.1 No.2 No.3 No.4. No.5 No.6 No.7		
<p>No.1 Fluid section</p> <p>⚠ A = Aluminium</p> <p>⚠ S = Stainless Steel</p> <p>No.2 Air section</p> <p>P = Polypropylene</p> <p>No.3 Check valve seats</p> <p>AC = Acetal</p> <p>PP = Polypropylene</p> <p>SS = Stainless Steel</p>	<p>No. 4 Check valve balls</p> <p>BN = Buna-N</p> <p>HY = Hytrel (TPE)</p> <p>SP = Santoprene</p> <p>SS = Stainless Steel</p> <p>TF = PTFE</p> <p>VT = Viton (FKM)</p> <p>No.5 Diaphragms</p> <p>BN = Buna-N</p> <p>HY = Hytrel (TPE)</p> <p>SP = Santoprene</p>	<p>TF = PTFE</p> <p>TO = PTFE/EPDM overmolded</p> <p>VT = Viton (FKM)</p> <p>No. 6 Connections</p> <p>TB = Threaded BSP</p> <p>TN = Threaded NPT</p> <p>No. 7 Options</p> <p>OO = Standard</p> <p>DP = Drum Pump</p> <p>RE = Remote</p>

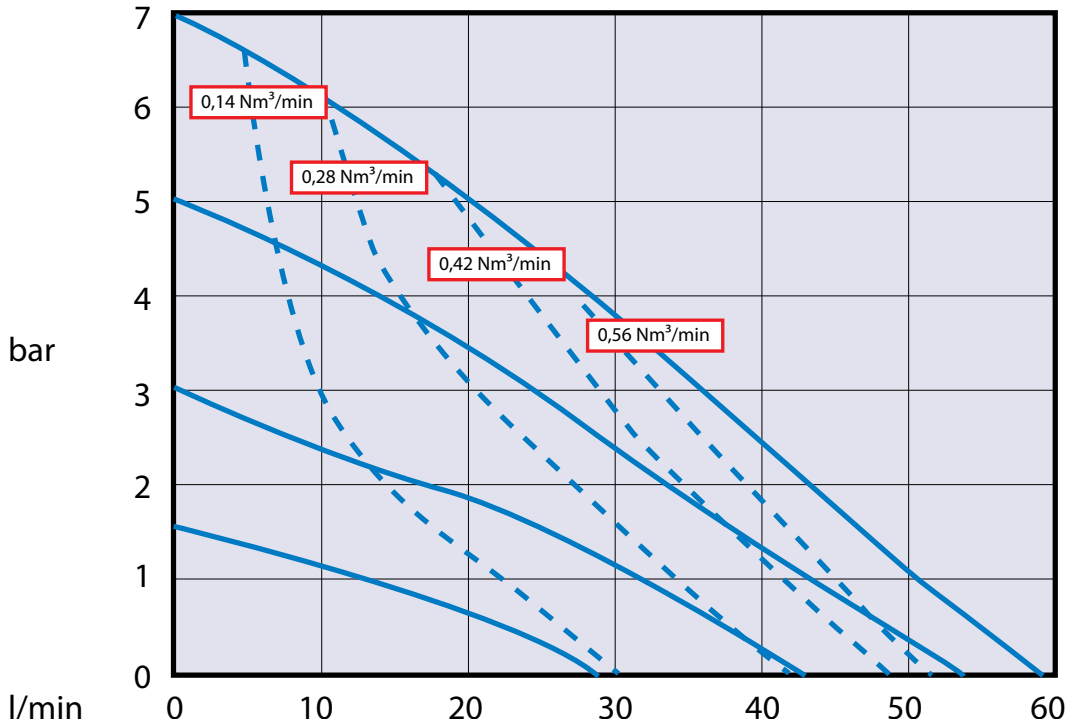
EXAMPLE PUMP TYPE

VA20SP SS TF TF TN OO

NOTE not all combinations are available

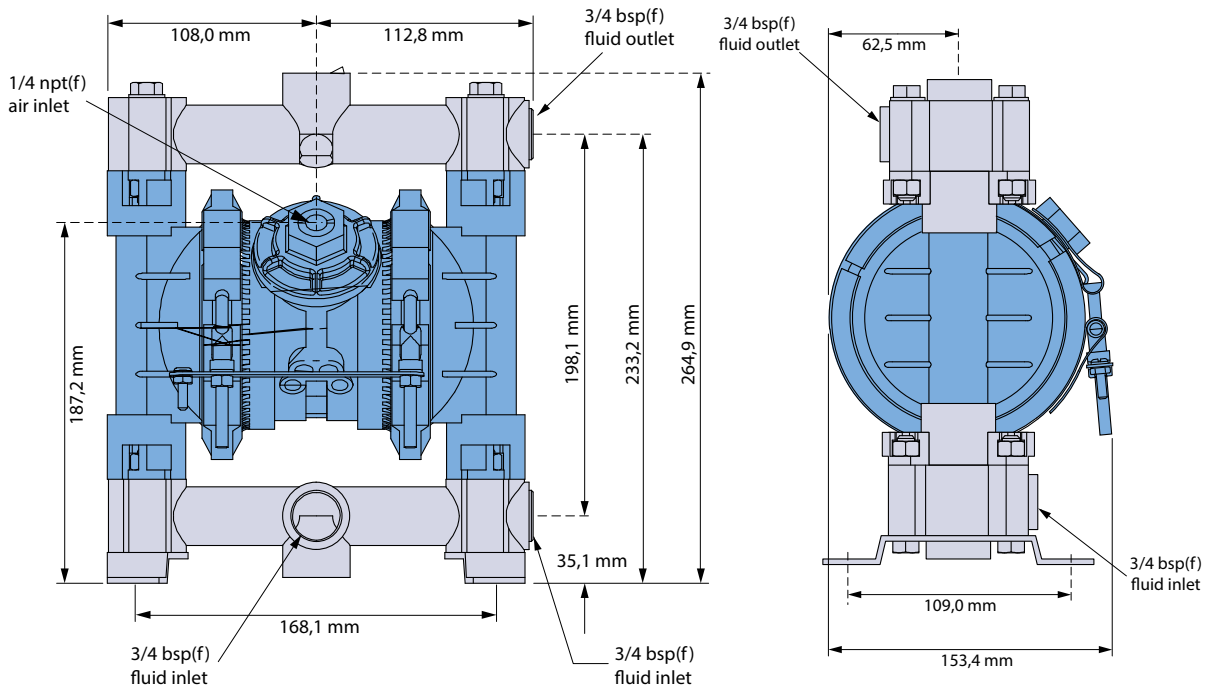
⚠ II 2 GD c IIC T4

Verderair VA 20 Metallic



Air consumption

Measured with water of 20°C



All dimensions are in mm.
All dimensions are for guidance only.

Verderair

VA25 (HE) metallic



Description

The VA25 (HE) metallic double diaphragm pumps are excellent pumps for use in a wide range of applications across many industries. Those pumps are using the modern technology to make them the most efficient on the market! The air section is available in aluminium or plastic, the pump body in 3 different materials and there are 9 different materials available for the diaphragms. This makes it possible to select the best solution for your application.

Your benefits

- Energy efficient
- Less downtime
- Easy to install, operate and maintain
- Ant-ice muffler
- Free of air lubrication
- Non-stalling air valve
- Can run-dry without damage
- Dry self-priming

Technical data				
Weight [kg]	Fluid & air section	AA	10,5	
		SP	16,5	
		SC	16,9	
		SA	18,8	
		HC	18,6	
Max. suction lift [mwc]		Dry	4,9	
		Wet	8,8	
Temperature [°C]	Fluid section	Internals		
	All materials	AC, BN	-12	82
		GE	-40	66
		HY	-29	66
		KY	-12	107
		NO, NW, NE	-18	82
		PP	0	66
		SP	-40	82
		TF	4	104
		TO	4	82
VT		-40	135*	
Max. Particle size [mm]			3,2	
Max. recommended viscosity (mPas)			10000	

* in non explosive environments 160°C is possible

Verderair

VA25 (HE) metallic



Code VA25 No.1 No.2 No.3 No.4. No.5 No.6 No.7

No.1 Fluid section

- A = Aluminium
- S = Stainless Steel
- H = Hastelloy

No.2 Air section

- A = Aluminium
- C = Conductive Polypropylene
- P = Polypropylene

No.3 Check valve seats

- AC = Acetal
- AL = Aluminium
- BN = Buna-N
- GE = Geolast
- HY = Hytrel (TPE)
- KY = Kynar (PVDF)
- PP = Polypropylene
- SP = Santoprene

- SS = Stainless Steel
- VT = Viton (FKM)

No. 4 Check valve balls

- AC = Acetal
- BN = Buna-N
- GE = Geolast
- HY = Hytrel (TPE)
- SP = Santoprene
- SS = Stainless Steel
- VT = Viton (FKM)
- TF = PTFE
- NE = Neoprene
- NW = Neoprene Weighted

No.5 Diaphragms

- BN = Buna-N
- GE = Geolast

- HY = Hytrel (TPE)
- NE = Neoprene
- NO = Neoprene overmolded
- SP = Santoprene
- TF = PTFE/EPDM 2 piece
- TO = PTFE/EPDM overmolded
- VT = Viton (FKM)

No. 6 Connections

- TB = Threaded BSP
- TN = Threaded NPT

No. 7 Options

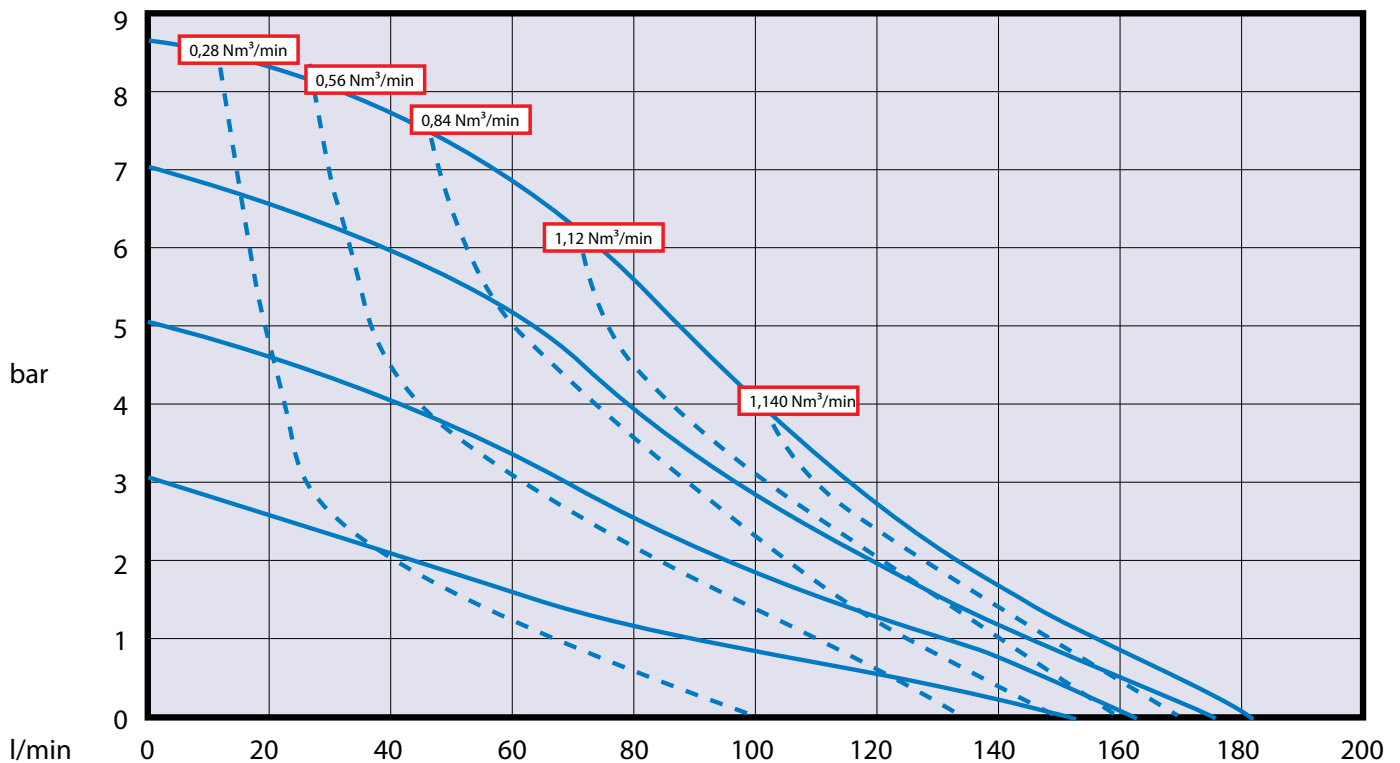
- OO = Standard
- RE = Remote
- SS = Stroke sensor
- UL = UL listed (only VA25AA)

EXAMPLE PUMP TYPE

VA25AA AL GE GE TB OO

II 2 GD c IIC T4

NOTE not all combinations are available



Air consumption

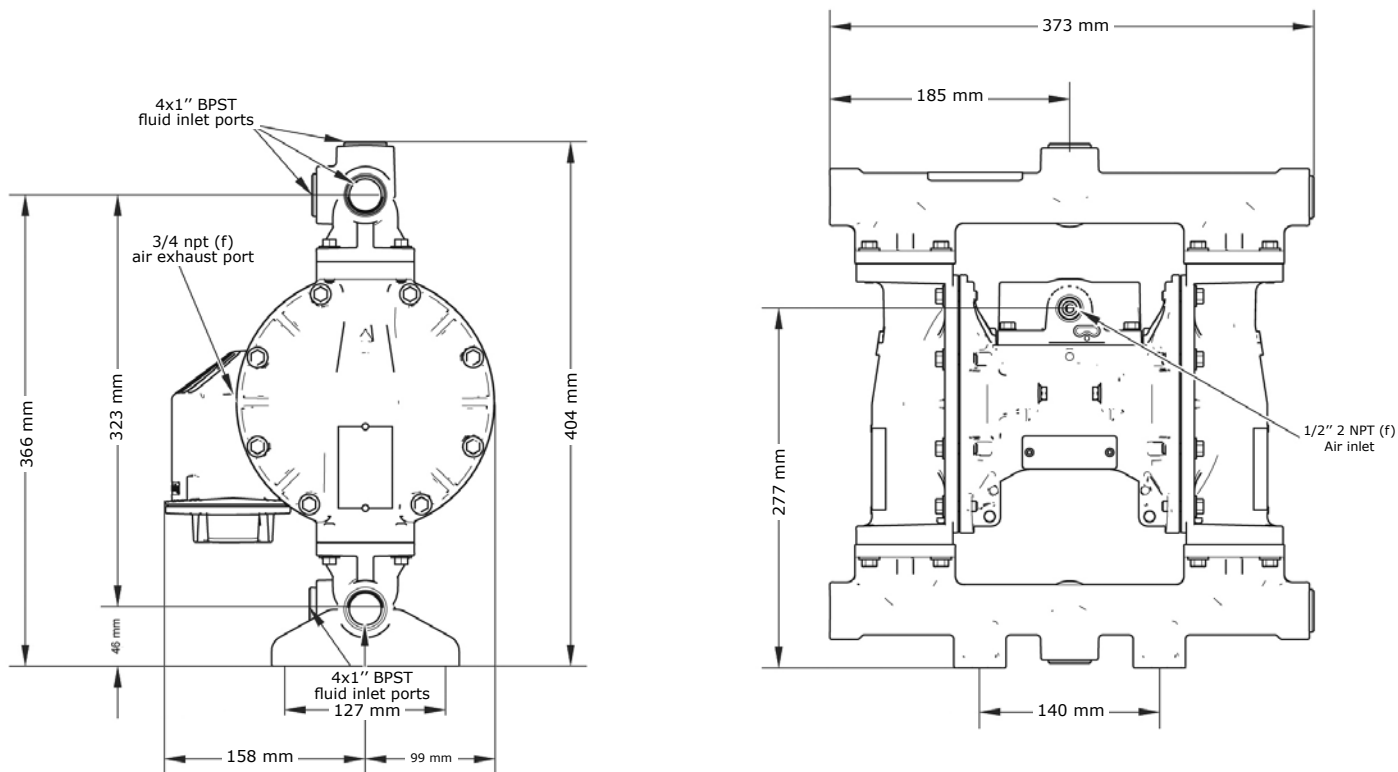
Measured with water of 20°C

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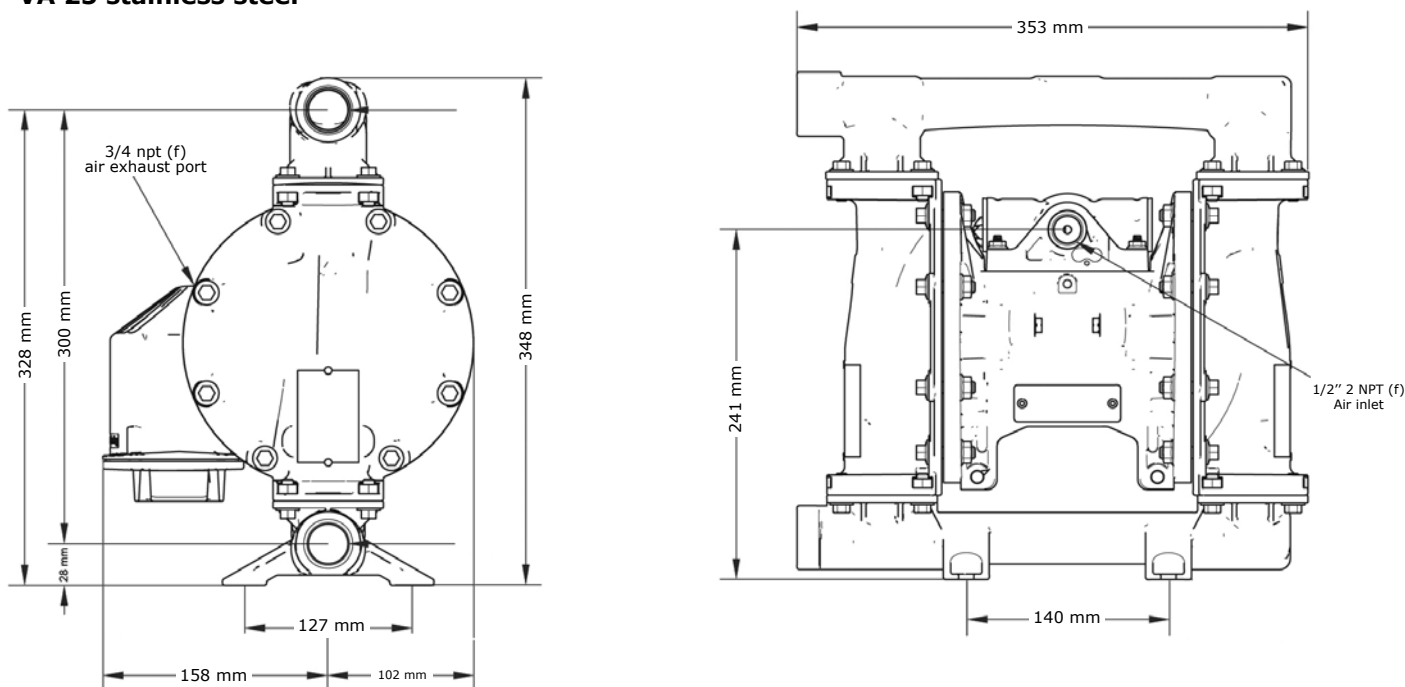
VA25 (HE) metallic



VA 25 aluminium



VA 25 stainless steel



All dimensions are in mm.
All dimensions are for guidance only.

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VA40 metallic



Description

The VA40 metallic double diaphragm pumps are excellent pumps for use in a wide range of applications across many industries. The reliability of those pumps and especially the air valves, have been proven in many industries since many years. The pumps are available in 2 different materials for the pump body and 7 different materials for the diaphragms. This makes it possible to select the best solution for your application.

Your benefits

- Easy to install, operate and maintain
- Less downtime
- Free of air lubrication
- Non-stalling air valve
- Can run-dry without damage
- Dry self-priming

Technical data					
Weight [kg]	Fluid & air section	AA	15,2		
		SA	32,7		
		SS	40		
Max. suction lift [mwc]		Dry	2,5		
		Wet	5,5		
Temperature [°C]	Fluid section	Internals	BN, GE, HY, SP, TO	5	65
			TF, VT	5	93
	A,S				
Max. Particle size [mm]				6,3	
Max. recommended viscosity (mPas)				15000	

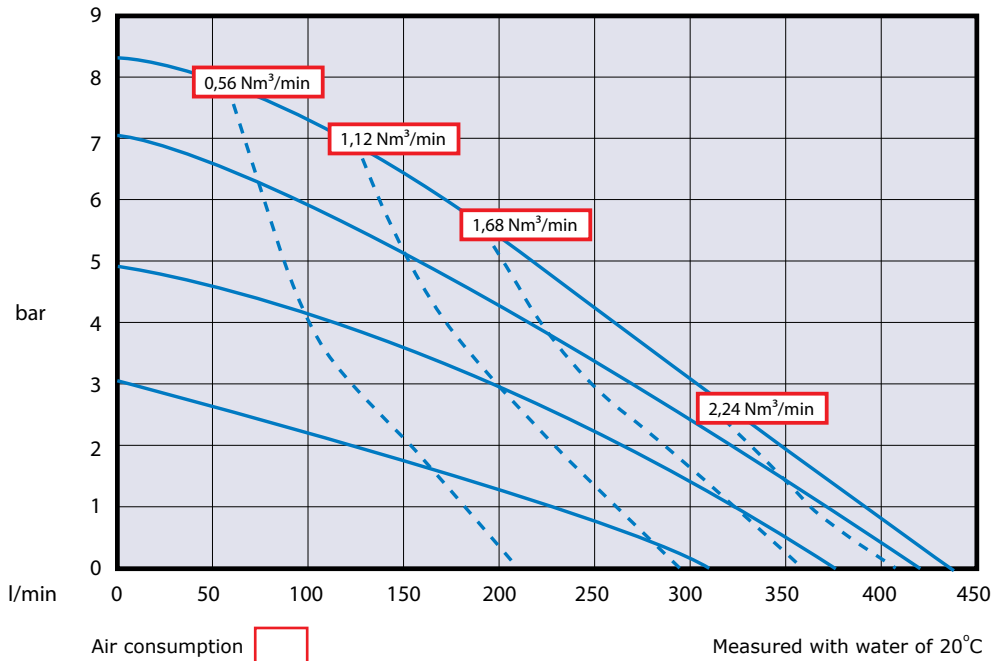
Code VA40 No.1 No.2 No.3 No.4. No.5 No.6 No.7		
<p>No.1 Fluid section</p> <p>⚠ A = Aluminium</p> <p>⚠ S = Stainless Steel</p> <p>No.2 Air section</p> <p>A = Aluminium</p> <p>S = Stainless Steel</p> <p>No.3 Check valve seats</p> <p>BN = Buna-N</p> <p>GE = Geolast</p> <p>HS = Hardened Stainless Steel</p> <p>HY = Hytrel (TPE)</p> <p>PP = Polypropylene</p> <p>SP = Santoprene</p>	<p>SS = Stainless Steel</p> <p>VT = Viton (FKM)</p> <p>No. 4 Check valve balls</p> <p>AC = Acetal</p> <p>BN = Buna-N</p> <p>GE = Geolast</p> <p>HS = Hardened Stainless Steel</p> <p>SP = Santoprene</p> <p>TF = Teflon</p> <p>VT = Viton (FKM)</p> <p>No.5 Diaphragms</p> <p>BN = Buna-N</p> <p>GE = Geolast</p>	<p>HY = Hytrel (TPE)</p> <p>SP = Santoprene</p> <p>TF = PTFE/Santoprene 2 piece</p> <p>TO = PTFE/EPDM overmolded</p> <p>VT = Viton (FKM)</p> <p>No. 6 Connections</p> <p>TB = Threaded BSP</p> <p>TN = Threaded NPT</p> <p>No. 7 Options</p> <p>OO = Standard</p> <p>RE = Remote</p>

EXAMPLE PUMP TYPE

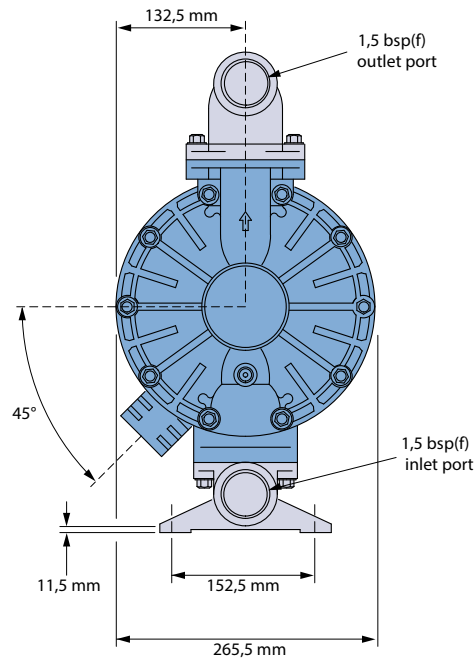
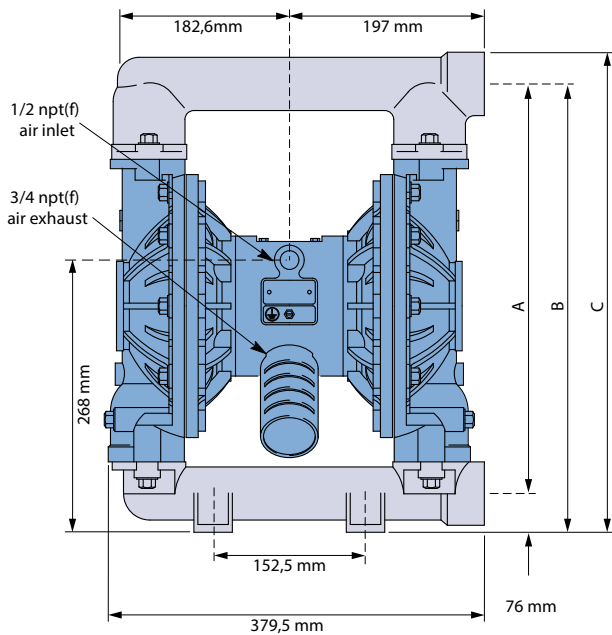
VA40AA GE GE GE TB OO

NOTE not all combinations are available

Verderair VA40 metallic



	Dimensions Aluminum pumps	Dimensions SST pumps
A	427 mm	412,5 mm
B	465 mm	451,0 mm
C	497 mm	482,5 mm



VA40met_Technosheet_rev02_2015_(eu)

All dimensions are in mm.
All dimensions are for guidance only.

Verderair

VA50 metallic



Description

The VA50 metallic double diaphragm pumps are excellent pumps for use in a wide range of applications across many industries. The reliability of those pumps and especially the air valves, have been proven in many industries since many years. The pumps are available in 3 different materials for the pump body and 7 different materials for the diaphragms. This makes it possible to select the best solution for your application.

Your benefits

- Easy to install, operate and maintain
- Less downtime
- Free of air lubrication
- Non-stalling air valve
- Can run-dry without damage
- Dry self-priming

Technical data			
Weight [kg]	Fluid & air section	AA	26,3
		SA	50,3
		IA	59
		SS	61
Max. suction lift [mwc]		Dry	2,5
		Wet	5,5
Temperature [°C]	Fluid section	Internals	
	A, S, I	BN, GE, HY, SP, TO	5 65
	A, S, I	TF, VT	5 93
Max. Particle size [mm]			6,3
Max. recommended viscosity (mPas)			20000

Code VA50 No.1 No.2 No.3 No.4. No.5 No.6 No.7		
<p>No.1 Fluid section</p> <p>⚠ A = Aluminium</p> <p>⚠ I = Cast Iron</p> <p>⚠ S = Stainless Steel</p> <p>No.2 Air section</p> <p>A = Aluminium</p> <p>S = Stainless Steel</p> <p>No.3 Check valve seats</p> <p>BN = Buna-N</p> <p>GE = Geolast</p> <p>HS = Hardened Stainless Steel</p> <p>HY = Hytrel (TPE)</p> <p>SP = Santoprene</p>	<p>SS = Stainless Steel</p> <p>VT = Viton (FKM)</p> <p>No. 4 Check valve balls</p> <p>AC = Acetal</p> <p>BN = Buna-N</p> <p>GE = Geolast</p> <p>HS = Hardened Stainless Steel</p> <p>HY = Hytrel (TPE)</p> <p>SP = Santoprene</p> <p>TF = Teflon</p> <p>VT = Viton (FKM)</p> <p>No.5 Diaphragms</p> <p>BN = Buna-N</p>	<p>GE = Geolast</p> <p>HY = Hytrel (TPE)</p> <p>SP = Santoprene</p> <p>TF = PTFE/Santoprene 2 piece</p> <p>TO = PTFE/EPDM overmolded</p> <p>VT = Viton (FKM)</p> <p>No. 6 Connections</p> <p>TB = Threaded BSP</p> <p>TN = Threaded NPT</p> <p>No. 7 Options</p> <p>OO = Standard</p> <p>EX = Extended</p> <p>RE = Remote</p>

EXAMPLE PUMP TYPE

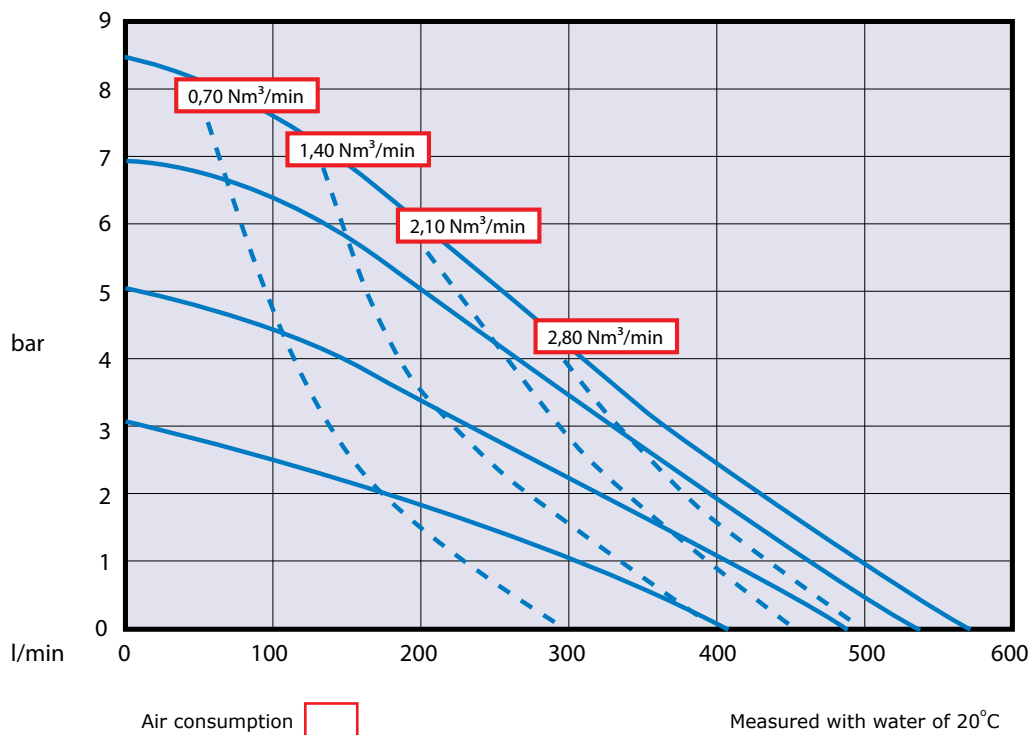
VA50AA SS BN BN TB OO

NOTE not all combinations are available

⚠ II 2 GD c IIC T4

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VA50 metallic



Verderair

VA50 metallic

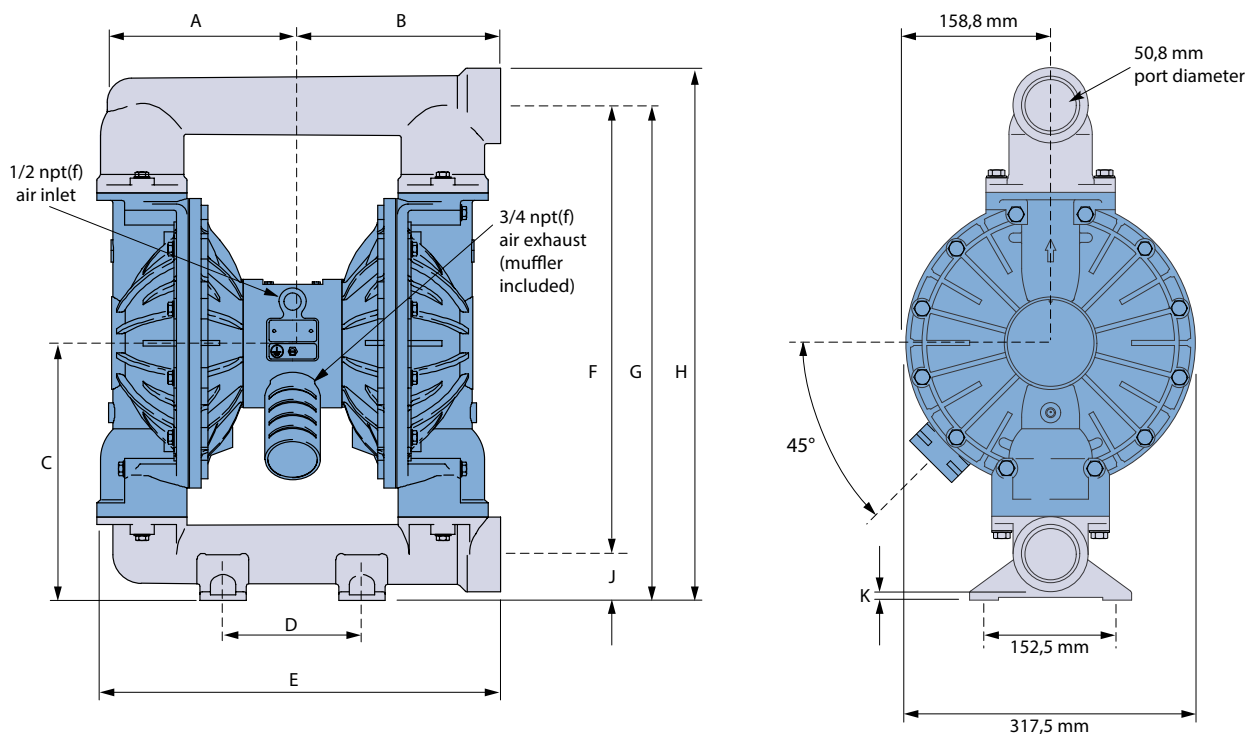


Dimensions in mm

	Stainless Steel	Cast Iron	Aluminium	Aluminium Extension *
A	227,7	213,1	213,1	213,1
B	238	245	229	231
C	385	327	328	328
D	165	152	152	152
E	459	469	443	442
F	565	491	506	581
G	631	542	557	632
H	668	578	598	673
J	64	51	51	51
K	24	14	10	10

* Aluminium extended pump matches the inlet to outlet dimensions of Wilden and Aro aluminium pumps.

This will help for ease of installation during upgrades.



All dimensions are in mm.
All dimensions are for guidance only.

Verderair

VA80 (HE) metallic



Description

The VA80 (HE) metallic double diaphragm pumps are excellent pumps for use in a wide range of applications across many industries. Those pumps are using the modern technology to make them the most efficient on the market! The air section is available in aluminium or plastic, the pump body is available in 3 different materials and there are 8 different materials available for the diaphragms. This makes it possible to select the best solution for your application.

Your benefits

- Energy efficient
- Less downtime
- Easy to install, operate and maintain
- Ant-ice muffler
- Free of air lubrication
- Non-stalling air valve
- Can run-dry without damage
- Dry self-priming

Technical data			
Weight [kg]	Fluid & air section	AA	68
		SA	116
		SP	116
Max. suction lift [mwc]		Dry	2,4
		Wet	8,5
Temperature [°C]	Fluid section	Internals	
	All materials	AC, BN	-12 82
		GE	-40 66
		NO, NW, NE	-18 82
		PP	0 66
		SP	-40 82
		TF	4 104
	VT	-40 135*	
Max. Particle size [mm]			13
Max. recommended viscosity (mPas)			25000

* in non explosive environments 160°C is possible

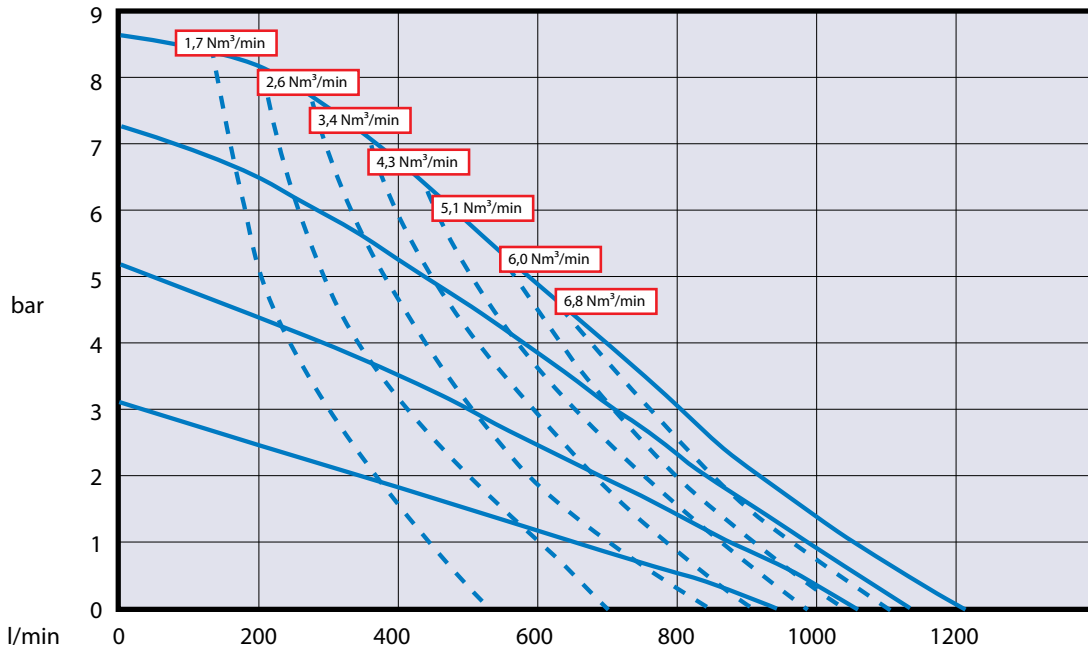
Code VA80 No.1 No.2 No.3 No.4. No.5 No.6 No.7		
<p>No.1 Fluid section</p> <p>⚠ A = Aluminium</p> <p>⚠ S = Stainless Steel</p> <p>No.2 Air section</p> <p>⚠ A = Aluminium</p> <p>P = Polypropylene</p> <p>No.3 Check valve seats</p> <p>AL = Aluminium</p> <p>BN = Buna-N</p> <p>GE = Geolast</p> <p>HY = Hytrel (TPE)</p> <p>SP = Santoprene</p> <p>SS = Stainless Steel</p>	<p>VT = Viton (FKM)</p> <p>No. 4 Check valve balls</p> <p>AC = Acetal</p> <p>BN = Buna-N</p> <p>GE = Geolast</p> <p>HY = Hytrel (TPE)</p> <p>SP = Santoprene</p> <p>VT = Viton (FKM)</p> <p>TF = PTFE</p> <p>NE = Neoprene</p> <p>NW = Neoprene Weighted</p> <p>No.5 Diaphragms</p> <p>BN = Buna-N</p>	<p>GE = Geolast</p> <p>HY = Hytrel (TPE)</p> <p>NE = Neoprene</p> <p>NO = Neoprene overmolded</p> <p>SP = Santoprene</p> <p>TF = PTFE/EPDM 2 piece</p> <p>VT = Viton (FKM)</p> <p>No. 6 Connections</p> <p>TB = Threaded BSP*</p> <p>TN = Threaded NPT*</p> <p>No. 7 Options</p> <p>OO = Standard</p> <p>SS = Stroke sensor</p>

EXAMPLE PUMP TYPE

VA80AA AL GE GE TB OO

NOTE not all combinations are available
 AVF 81000 Albi – T/05.63.46.26.68 – avf@avf-albi.com – www.avf-albi.com

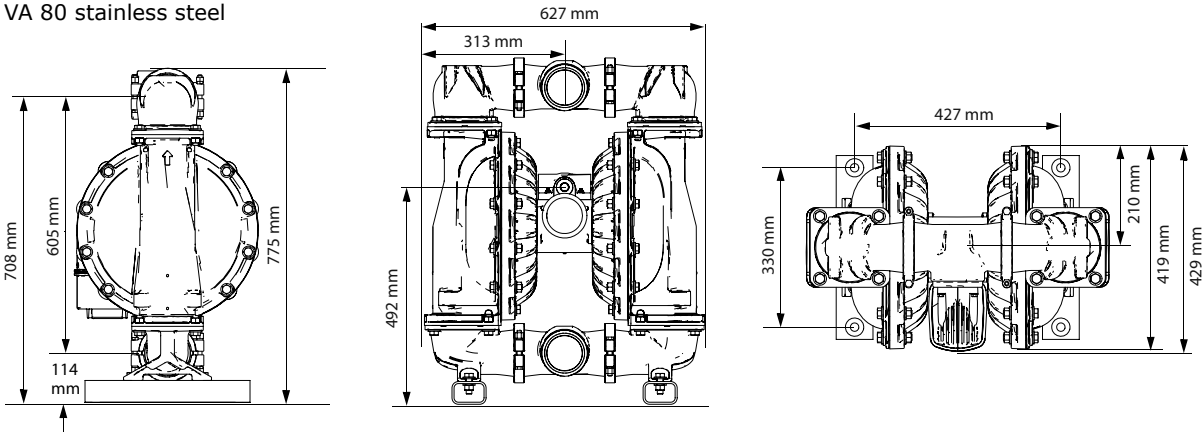
Verderair VA80 (HE) metallic



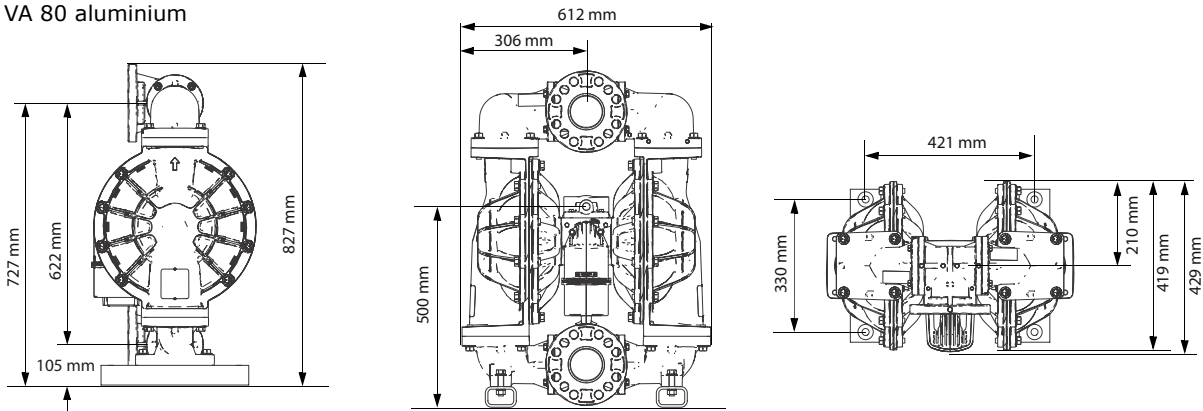
Air consumption

Measured with water of 20°C

VA 80 stainless steel



VA 80 aluminium



All dimensions are in mm.
All dimensions are for guidance only.

VA80met_Technosheet_rev02_2015_(eu)

210 mm
419 mm
429 mm
mm