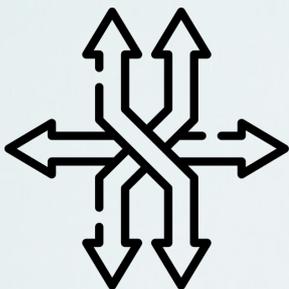
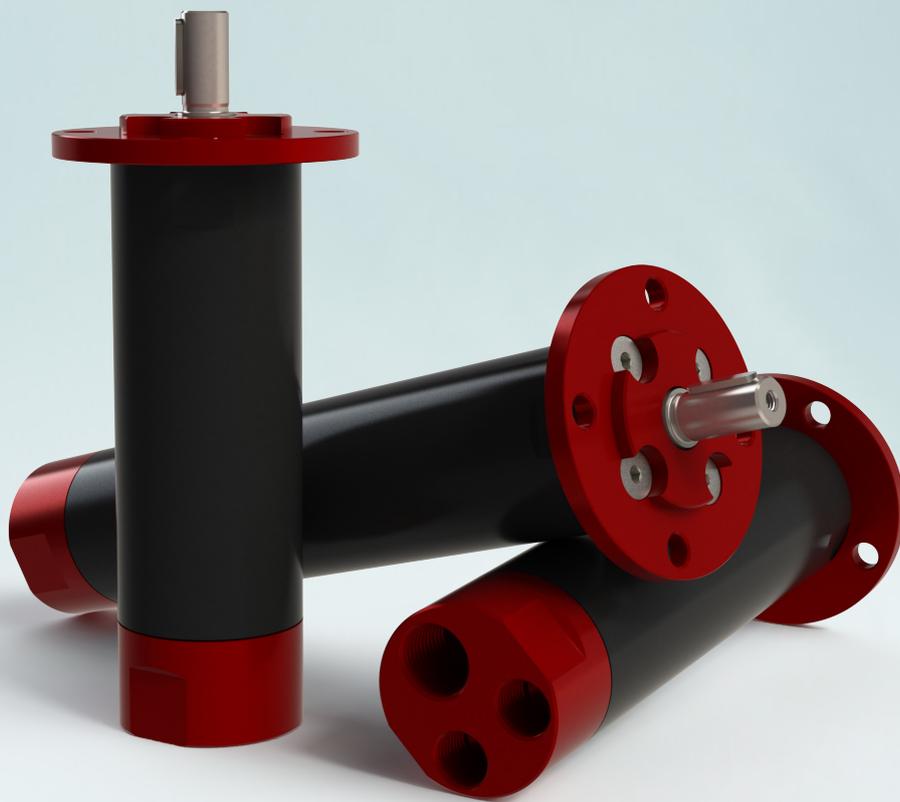


NEW

The **GLOBE Compact Vane Airmotor** **CVM10** 0,5kW



Versatile



Powerfull



Short Lead Times

globe-airmotors.com



Factory Automation & Packaging Machinery

Every GLOBE air motor can be easily controlled by adjusting air supply pressure. The GLOBE Compact Vane Motor can be loaded, stopped and started until stall, without damage. This makes them an ideal tool for cap screwing on bottling lines for example.

- Stainless Steel housing for sterile environments
- Food Graded Lubrication or lubrication free
- Many available types of mounting



Pharmaceuticals & Healthcare

Rooms must be sterile cleaned and when working with chemical or aggressive substances, the devices and machines must be ATEX certified. The GLOBE Compact Vane Motor is available with ATEX Certification and can be supplied with a stainless steel housing. This makes them suitable to harsh environments with chemicals.

- Stainless Steel housing for corrosive environments with aggressive cleaners.
- ATEX Certification for use in explosive proof areas
- Lubrication free means fewer emissions for hygienic and sensitive environments



Food & Beverage

The end product must be tasty and safe for consumption. In addition to the high hygiene requirements, the legal food standards must also be met. The GLOBE Compact Vane motor is available with Food Graded lubricant or non lubricated. The stainless steel housing ensures a food safe finish.

- Stainless Steel housing for clean, food safe surfaces and corrosive free applications.
- Food Graded lubrication available or without lubrication at all for fewer emissions.



Cosmetics

Their smooth cylindrical surface has no pockets where dirt can collect. A seal prevents dirt and liquids from entering the motor gears. The seal also prevents the gear lubricant from leaking out. This ensures clean operation meeting cosmetic product requirements

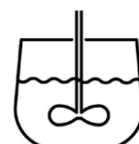
- Stainless Steel housing for sterile environments
- Food Graded Lubrication or lubrication free
- Many available types of mounting



Oil & Gas

Because of the high amount of explosive or flammable substances, machinery must meet ATEX requirements. The CVM can be used for a number of applications, for example cleaning heat exchangers of pipe beveling.

- ATEX Certification for use in explosive proof areas
- Many available types of mounting



Mixers

The modular design enables you to choose various output speeds and desired torques. Together with a 100% silicone free motor, they are a perfect fit for industrial mixers.

- Instant and smooth start up
- Silicone free
- Stainless steel housing
- Oil free application
- ATEX Certification



Integrated Gearbox

Choose the perfect gear ratio for your unique application, enabling you to tailor torque and speed for optimal efficiency.



Interchangeability

The many available mounting and flange types make it perfectly interchangeable with current situations. Effortlessly integrates into various applications with a range of optional mounting accessories.



Safe Stalling

Can be loaded until they stall, without damage. Air motors will not overheat or burn out.



Price/Quality

Attractive price-to-performance ratio due to his modular design. Simple and inexpensive variable speed and torque control with a flow control valve and/or pressure regulator.

ATEX



Suitable for the harshest environments. Resistant to warm, dirty and damp conditions. Designed to be able to withstand the toughest heat, vibration, impact etc. Intrinsically safe for explosion proof environments.

High Reliability



Equipped with low-friction vanes and sealed bearings. The design and the low number of moving parts aids reliability. Simple design principle makes them easy to service

Small But Powerful



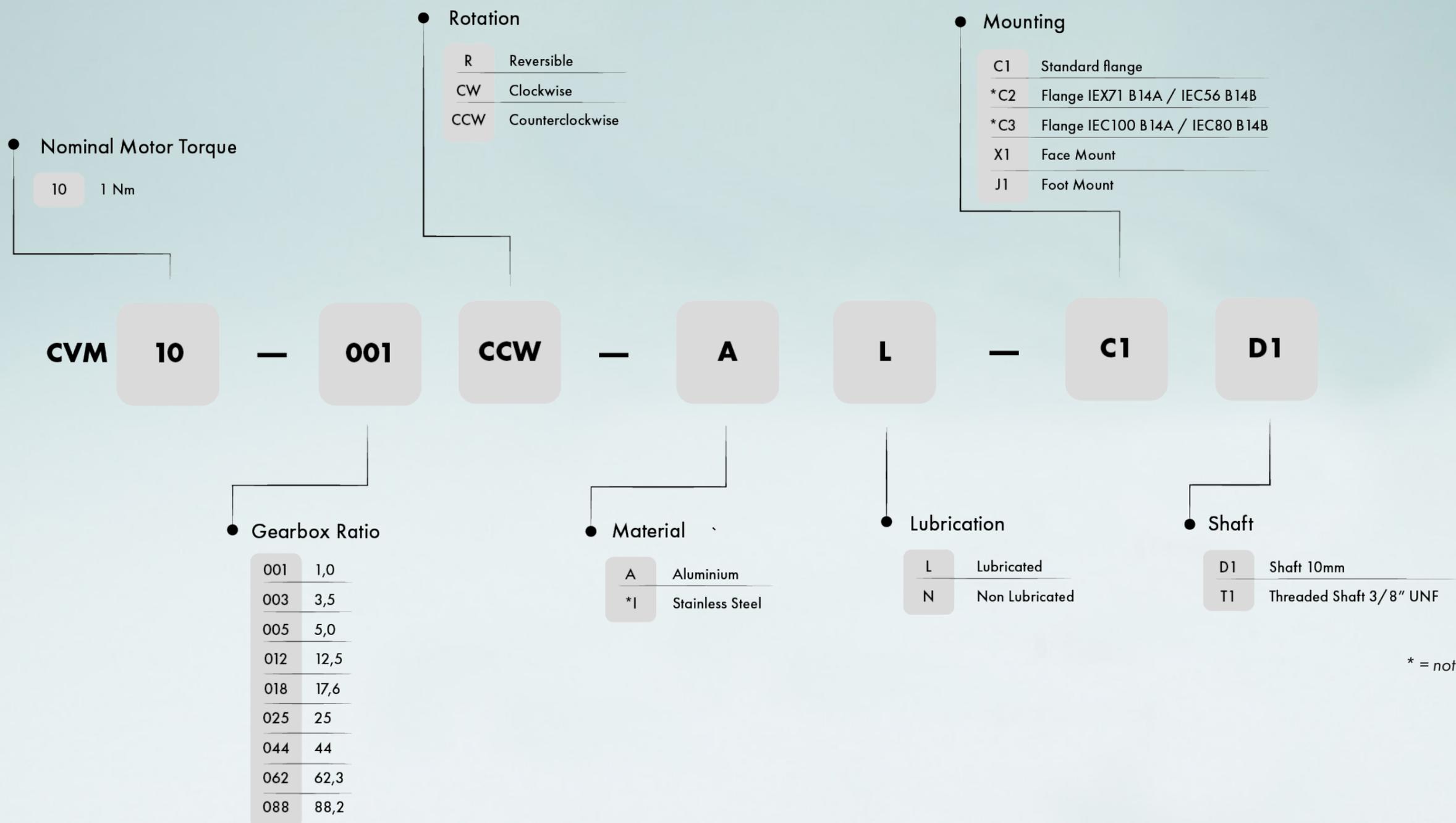
Smaller installation dimensions and lower weight than corresponding electric motors. This light and compact air motor has a high power density.

BUILD YOUR OWN

The CVM10 has a modular design, this enables you to 'build' your own compact vane motor, specifically tailored to the requirements of your application. Change the **material** of the housing, the gearbox **ratio**, the **shaft**, **mounting** or the **lubrication**. Because of our engineering department bespoke solutions are also possible.

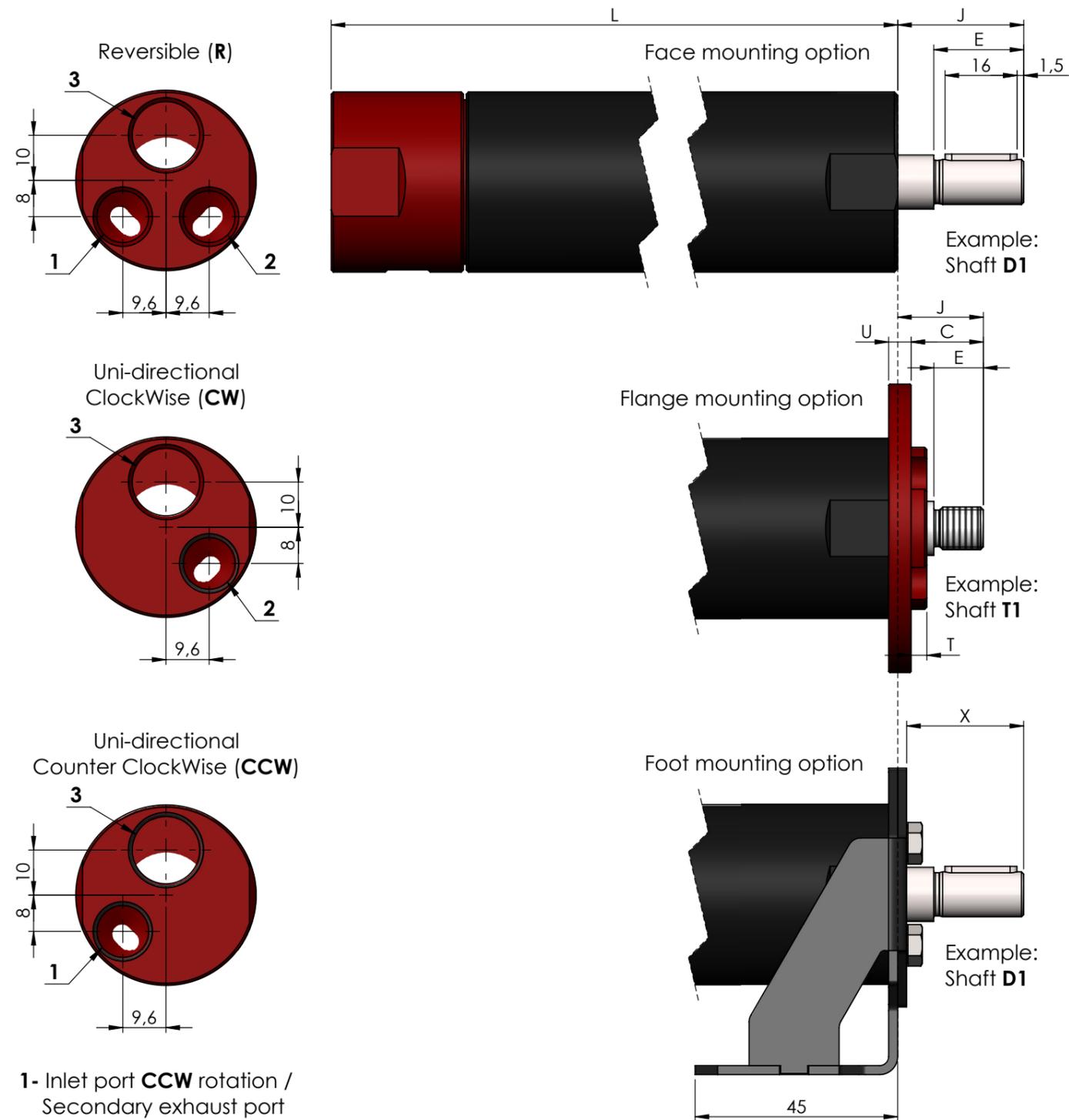
COMPACT VANE MOTOR

You'll receive your CVM10 ready to go. We deliver it with a silencer specially suited for the CVM10, so it's plug & play. A large part of the available combinations are available from stock. The parts marked with an * have a longer lead time depending on the configuration. Contact our specialists for more information.



* = not available from stock

DIMENSIONS

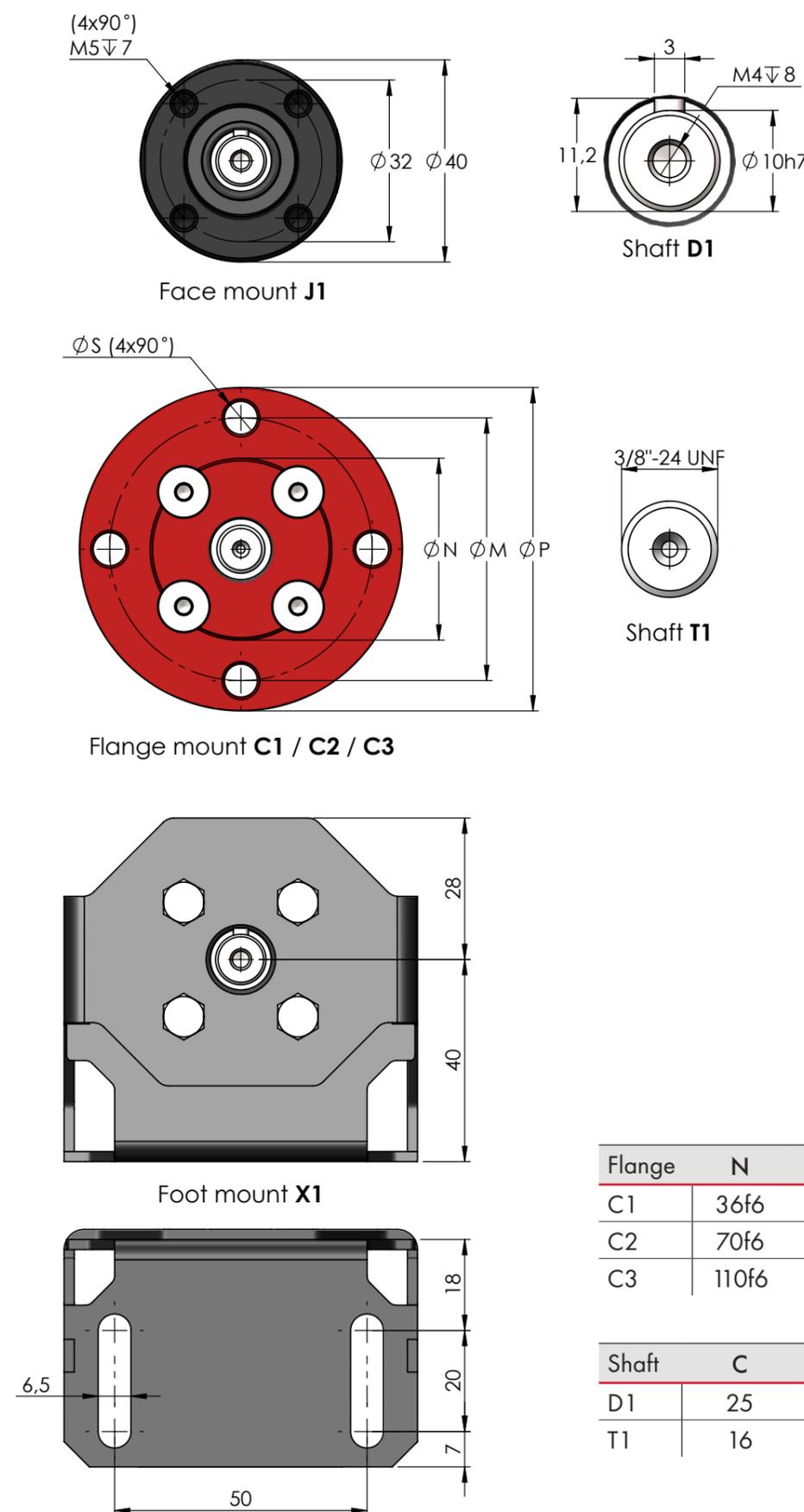


- 1- Inlet port **CCW** rotation / Secondary exhaust port (**G1/4" BSPP**)
- 2- Inlet port **CW** rotation / Secondary exhaust port (**G1/4" BSPP**)
- 3- Primary exhaust port (**G3/8" BSPP**)

Note: Rotation direction is observed when looking towards the output shaft at the front.

All output shaft and flange or foot mounting combinations available

DIMENSIONS



Model Ratio	L
CVM10-001	
CVM10-003	~131,5
CVM10-005	
CVM10-012	
CVM10-018	~163,5
CVM10-025	
CVM10-044	
CVM10-062	~195,5
CVM10-088	

Flange	N	M	P	T	U
C1	36f6	52	64	3,5	5
C2	70f6	85	105	3,5	7
C3	110f6	130	160	3,5	7

Shaft	C	E	J	X
D1	25	20	28	26
T1	16	11	19	17

SPECIFICATIONS

Model	Max. power [kW]		Torque [Nm]*		Speed [RPM]*		Air Consumption [NL/sec]*		Min. starting torque [Nm]		Free speed [RPM]		
	4 bar	6 bar	4 bar	6 bar	4 bar	6 bar	4 bar	6 bar	4 bar	6 bar	4 bar	6 bar	
CVM 10	001R	0,35	0,56							0,4	0,6	19000	23000
	001CW			0,25	0,35	13500	14500	11	15				
	001CCW	0,31	0,53							0,3	0,5	18000	21000
	003R	0,35	0,55	0,9	1,3					1,3	2,1	6000	6750
	003CW					3700	4000	11	15				
	003CCW	0,30	0,52	0,8	1,2					1,2	2,0	5500	6250
	005R	0,35	0,55	1,3	1,9					1,9	3,1	4250	4750
	005CW					2600	2800	11	15				
	005CCW	0,30	0,52	1,1	1,8					1,7	2,7	4000	4500
	012R	0,34	0,54	3,2	4,7					4,6	7,4	1600	1900
	012CW					1000	1100	10	14				
	012CCW	0,30	0,52	2,9	4,5					4,2	7,0	1500	1800
	018R	0,34	0,54	4,7	6,5					6,6	10,5	1200	1400
	018CW					700	800	10	14				
	018CCW	0,30	0,52	4,1	6,2					6,0	10,0	1100	1300
	025R	0,34	0,54	6,5	9,4					9,4	15,0	850	1000
	025CW					500	550	10	14				
	025CCW	0,30	0,52	5,8	9,1					8,5	14,2	800	950
	044R	0,33	0,52	11,0	16,1					16,5	26	480	575
	044CW					285	310	9,5	13				
044CCW	0,29	0,51	9,8	15,6					14,5	25	450	540	
062R	0,33	0,52	15,9	22,7					23	37	340	400	
062CW					200	220	9,5	13					
062CCW	0,29	0,51	14,0	22,0					21	35	320	380	
088R	0,33	0,52	22,5	32,0					33	52	240	285	
088CW					140	155	9,5	13					
088CCW	0,29	0,51	20,0	31,0					30	50	225	270	

* at max power

PERFORMANCES

Housing material	ordering code A: I:	7075 airplane graded Aluminium 316 Stainless Steel
Lubrication	Normal: Foodgraded:	Kluber Fuchs





GLOBE[®] AIRMOTORS B.V.

GLOBE Airmotors | Boerhaaveweg 9-11 | NL - 2408 AD Alphen a/d Rijn | Tel +31 172 426 608 | info@globe-benelux.nl

Take a look at our other products

Wide range of products available



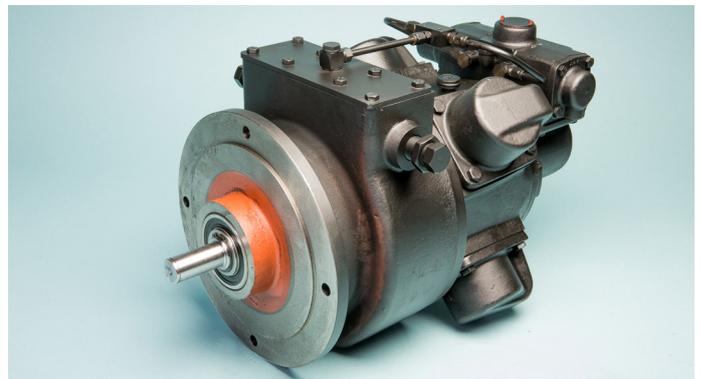
Compact Piston Air Motors



Pneumatic Brakes



Compact Vane Air Motors



Piston Air Motors

This document, as well as the CAD data of the vane air motors are available for download on globe-airmotors.com.

Want to know more?

Please contact us.

 +31 172 426 608

 info@globe-airmotors.com

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