



FILO
KOMPRESÖR & HAVA KURUTUCU

COMPACT SERIES

- FVK C SERIES COMPACT SCREW COMPRESSOR

SINCE
1997



FVK C Series

Compact Screw Compressor

Filo screw upper tank air compressors is a series of enclosing driers, tanks and compressors in it.

Due to the combination of the compressor, tank and dryer system, it takes up little space even when placed separately.

Low connection elements reduce the pressure losses to a minimum.

The fact that the compressor and dryer have separate controls allows for independent operation.

Our compressors use screws with high efficiency. It has high efficiency precision rotors with large compression area. Screw groups with high load bearing and long-life bearing with very low maintenance costs.

It uses screws with high efficiency. It has high efficiency precision rotors with large compression area. Our screw groups are maintenance-free with high load bearing and long-life bearings.

V type belt-pulley system is used. When desired different pressure values, it can be acquired by simply changing the belt and pulleys easily.

The equipment used in the compressor (suction valve, separator and thermostatic valve, or valve) has been designed by Filo R&D department.

All parts were passed through all tests and delivered to the assembly section.

The thermostatic valves produced by our company keep the oil to the screw block at a certain temperature, preventing water condensation and prolonging oil life. In this way, it works smoothly in all weather conditions.

Compressor cabin and chassis and the equipment used in the compressor are resistant to corrosion and rusting, taking into account the principle of trouble-free operation for years.

It has a cabin design that minimizes sound and vibration and saves time during maintenance.

The oil and air cooling system has a large internal volume and low pressure and low temperature. Thus, it can work efficiently in all conditions.

Specially produced oil tank and separator filter ensure optimum oil separation.



Air Capacity ISO 1217 (Annex C-2009):

8 bar 560-3600 lt/dak
10 bar 450-3300 lt/dak
13 bar 390-2850 lt/dak

Area of use

Industry, furniture, textile, health, food, construction

Connection

Belt drive

Operating pressure

5-13 Bar

Cooling Mode

Air

Power

4-22 kw

Motor

Energy efficiency class IE3,
Protection class IP55
Insulation class F

It provides you with a cleaner compressed air.

Research and development activities for the continuous development of Filo Compressors maximize the efficiency and performance of the screws.

Filo Air Compressors are suitable for use in all industries with power from 3 hp to 30 hp, low noise level, high performance and efficiency. For your special projects, it can be produced in suitable forces for your project.



4 in 1;

- Compressor (air dryer, air filter inlet, air filter outlet, air tank)
- Small space requirements
- Low noise level
- Easy to transport due to low weight

Technical Specifications

Model	Motor Power	Tank Capacity	Dryer Capacity	Pressure		Capacity		Air Connection
	Kw/Hp			Bar	Psi	m ³ /Min	Cfm	Inch
FVK 4 C	4/5,5	300 LT	1,2 M3/DAK	8	116	0,56	19,6	1/2"
				10	145	0,45	15,75	
				13	189	0,39	13,65	
FVK 5,5 C	5,5/7,5	300 LT	1,2 M3/DAK	8	116	0,8	28	1/2"
				10	145	0,68	23,8	
				13	189	0,55	19,25	
FVK 7,5 C	7,5/10	500 LT	1,6 M3/DAK	8	116	1,1	38,5	3/4"
				10	145	0,96	33,6	
				13	189	0,8	28	
FVK 11 C	11/15	500 LT	2,2 M3/DAK	8	116	1,7	59,5	3/4"
				10	145	1,5	52,5	
				13	189	1,2	42	
FVK 15 C	15/20	500 LT	12,6 M3/DAK	8	116	2,2	77	3/4"
				10	145	1,97	68,95	
				13	189	1,7	59,5	
FVK 18,5 C	18,5/25	1000 LT	3,0 M3/DAK	8	116	2,9	101,5	1"
				10	145	2,75	96,25	
				13	189	2,3	80,5	
FVK 22 C	22/30	1000 LT	3,6 M3/DAK	8	116	3,6	126	1"
				10	145	3,3	115,5	
				13	189	2,85	99,75	

Advantages of Filo Screw Compressors

- High performance with highly efficient screw units,
- Star-triangel operation,
- Long operating life with own production equipment,
- Minimal noise level with cabin interior design,
- Fast maintenance, low maintenance cost by design,
- Self-protection in situations such as high temperature and high pressure,
- High efficiency motor,
- High safety systems against all risks.
- With a compact design with a combination of compressors, tanks and dryer
- It takes up little space
- Low pressure loss

Model	Motor Power	Tank Capacity	Air Connection	Dimensions			Weight	Sound Level
	Kw/Hp		Inch	Width	Length	Height	Kg	dB(A)
FVK 4 C	4/5,5	300 LT	1/2"	1530	570	1460	330	65
FVK 5,5 C	5,5/7,5	300 LT	1/2"	1530	570	1460	330	65
FVK 7,5 C	7,5/10	500 LT	3/4"	1950	570	1510	380	70
FVK 11 C	11/15	500 LT	3/4"	1950	620	1570	438	70
FVK 15 C	15/20	500 LT	3/4"	1950	700	1620	460	72
FVK 18,5 C	18,5/25	1000 LT	1"	2100	850	1950	740	73
FVK 22 C	22/30	1000 LT	1"	2100	850	1950	750	73



Each of our products is designed in accordance with Industry 4.0.

FVK C Series



Protection

Minimizing impacts from external environments by providing more protection thanks to the embedded structure of the control panel.



FVV Valve

Thanks to the Filo fvv 5-way or valve, which is our own production used on the suction group, the use of solenoid valves is reduced to one, saving material and providing a longer life.



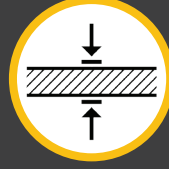
Latest Technology Control

Precise results are obtained by entering the desired air flow rate and pressure thanks to high technology controllers.



Strong Cooling Capacity

Thanks to the large radiators used and the aerodynamic internal structure that provides maximum level air flow, the cold air entering from the outside circulates around every part of the compressor and discharged. This ensures maximum cooling and prevents the compressor from overheating.



Durability

More durable to harsh conditions and years thanks to its robust cabin design.



Safety

It makes it safer with multiple safety equipment used inside.



Low Maintenance Cost

Since filo brand consumables, which are our own production, are used, they are both longer lasting and more affordable.



Filo Suction Group

Thanks to the operation of the filo suction group, which is our own production, the filo suction group closes at the first start of the compressor without putting an extra load on the electric motor and extends its life by ensuring the comfortable operation of the electric motor and saves electricity by preventing excess use of electricity.



Filo Combined Blocksystem

It contains a thermostatic pressure valve, oil filter wedge, separator wedge and thanks to these valves, space is saved and maximum performance is guaranteed by keeping the oil temperature level at a certain level.



Frequency Controlled Inverter

Thanks to the high technology inverters used, energy saving and maximum efficiency is ensured by controlling the frequency of the electric motor.



Motor

Energy efficiency class IE3, Protection class IP55, Insulation class F.



Silence

Quiet operation thanks to low speed and high insulation.

FCU Series

Integrated compact unit: It is a monobloc structure that contains screw, separator tank, suction group, minimum pressure valve, thermostatic valve, oil, separator and air filter inside.

Silent operation: Due to the removal of the interconnections such as hose and the special interior design of the casting separator body, the sound level is minimized.

High efficiency and long working life: It provides high quality and long working life with the new generation screw unit, and specially designed separator tanks provide maximum efficiency and performance.

Easy to dismantle: Easy assembly of our compact units, the parts like screw, suction group, separator - oil wedge and so on. can be easily removed/plug as maintenance and overhaul.

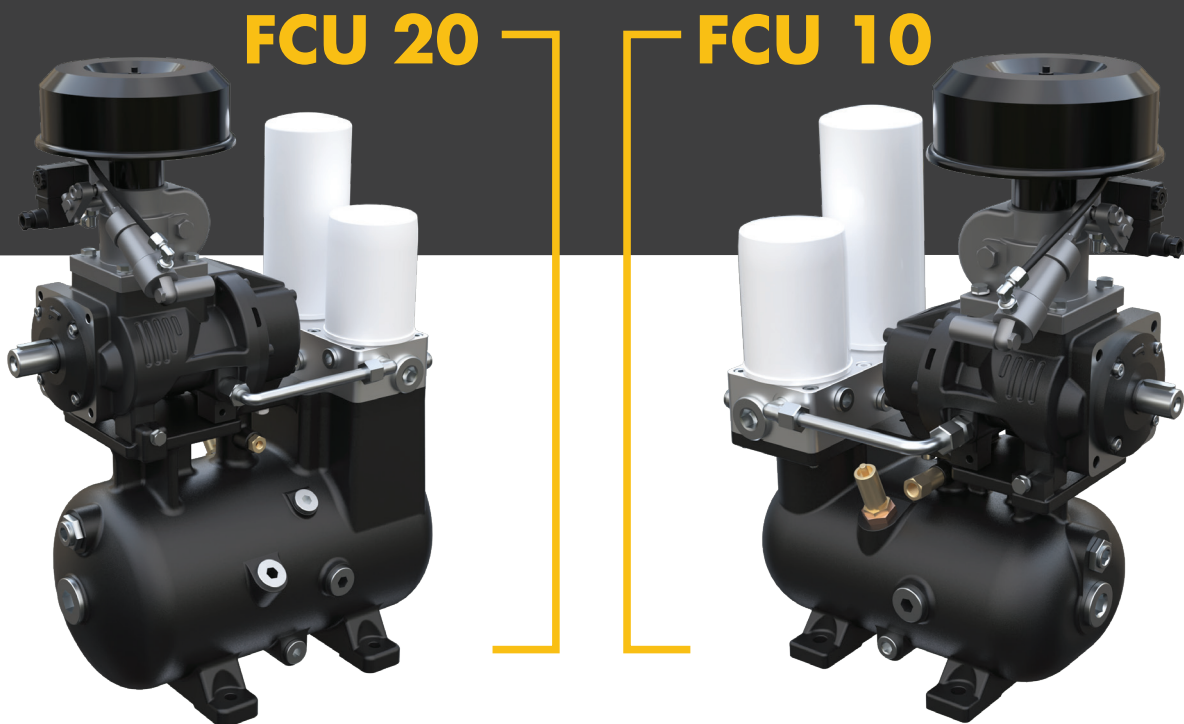
Safety is first: The safety valve on top of the separator tank prevents the compact unit from exceeding its maximum working pressure to ensure both the unit and the operating safety. All units were subjected to a test of 1.5 times the working pressure as well as the materials whose safety was registered in the whole unit.

Practical oil monitoring: With the oil level indicator on the separator tank, the oil level can be easily observed.

Oil filling and emptying are designed to be practical.

Versatile mounting structure: Thanks to its symmetrical structure, it can be interfered on both sides of the unit. You don't have to do things like one by one.

Reduces connection elements: Minimizes the possibility of future oil leakage due to low use of connection and hose elements.



Model	Power Range (kw)		Pressure Range		Capacity (lt/min)	
	Min	Max	Min	Max	Min	Max
FCU 10	4	7,5	5	15	600	1200
FCU 20	11	15	5	15	1700	2250



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