

PRODUCT CATALOG



- Screw Compressors
- Compressed Air Dryers
- Nitrogen Generators



SpeedAir
COMPRESSOR

Our company continues to actively bring together screw air compressors and air dryers that require high engineering, which we produce as SpeedAir Compressor, with our domestic sales and export activities abroad, with Turkish industrialists and foreign customers.

OUR PRODUCTS :

- On-Tank Screw Compressors
- Fixed Speed Screw Compressors
- Inverter Poly V Belt Screw Compressors
- VSD Coupled Screw Compressors
- Compressed Air Dryers
- Chemical Air Dryers

SPEEDAIR COMPRESSORS;

- It is produced in accordance with heavy working conditions.
- It has a user-friendly and ergonomic design.
- It is produced from first class 100% domestic materials.
- It has high efficiency and low energy consumption.
- 2-year unlimited hours under our warranty.
- It has CE and ISO quality certificates.
- With our 7/24 effective after-sales support team, it will never let you down.

Quality Certificates

Our company; Has CE Conformity Certificate, TOBB İTO Domestic Production Certificate, ISO 9001: 2015 Quality Management System Certificate, ISO 10002: 2014 Customer Satisfaction and Complaint Management System Certificate, ISO 14001: 2015 Environmental Management System Certificate and OHSAS 18001: 2007 Occupational Health and Safety Certificate. .

our vision

To increase customer satisfaction, to create a new and more stable market structure, to produce better quality products and to become a preferred company in Turkey and abroad.

Our Mission

To be a dynamic, self-renewing brand company in the domestic and international compressed air sector and to adopt a customer-oriented corporate structure. To become an exemplary company with an understanding of quality by offering the same quality products and services to all companies, large and small, without any discrimination.

Our Export Activities

Our company carries out export activities to Turkic republics and middle east countries, especially to European countries. Some of the countries we mainly export to are:

Eastern Europe:

- Ukraine
- Bulgaria
- Romania
- Russia
- Moldova

Turkic Republics:

- Azerbaijan
- Kazakhstan
- Uzbekistan
- Turkmenistan

Middle East:

- Iraq



Our Memberships



Our certificates



OVERVIEW OF OUR PRODUCTS



COMPACT S SERIES

Our Tank Top Models; It is ready to work with the connections of compressor, air tank, dryer and line filters.

For commissioning, it is sufficient to make the electrical connection and connect the air outlet to the main installation.

TECHNICAL DETAILS

Working Pressure (Bar): 7-13
Flow rate (/ m3 min): 0.70- 3.80
Motor Power (Kw): 7.5- 22
Air Outlet ("): 3/4- 1
Tank Volume (Lt): 530- 750



S SERIES

Fixed screw compressors; It is designed to meet the constant compressed air needs of your business.

Fixed speed compressors are the ideal choice for businesses with standard air consumption (non-variable).

TECHNICAL DETAILS

Working Pressure (Bar): 7-13
Flow rate (/ m3 min): 0.80- 9.50
Motor Power (Kw): 7.5- 75
Air Outlet ("): 3/4- 2



VSD POLY SERIES

Our V-belt compressors with inverter (VSD- Variable Speed Drive); It provides energy savings of up to 55% in businesses that require variable amounts of air and plays a role in increasing the compressor's working life.

Since the compressor dimensions are smaller than the Akuple series, it saves space.

TECHNICAL DETAILS

Working Pressure (Bar): 7-13
Flow rate (/ m3 min): 1.52- 13.0
Motor Power (Kw): 22- 75
Air Outlet ("): 1- 2



VSD DA SERIES

Our compressors with inverter (VSD -Direct coupled DC, Variable Speed Drive); It provides energy savings of up to 55% in businesses that require variable amounts of air and plays a role in increasing the compressor's working life.

TECHNICAL DETAILS

Working Pressure (Bar): 7-13
Flow rate (/ m3 min): 1.4- 41.40
Motor Power (Kw): 22- 200
Air Outlet ("): 3/4- 2

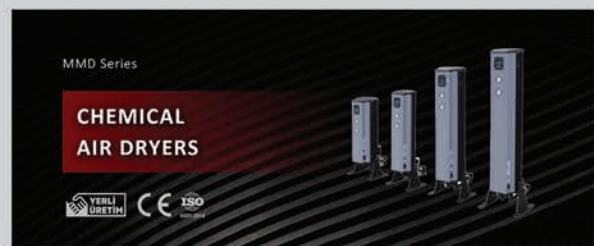


SpeedAir DRYER SERIES

Variable amounts of moisture are present in the atmospheric air sucked by the air compressor. When this humidity is brought to a certain pressure and temperature value with the help of the compressor, it condenses with the effect of pressure and cooling. Liquid water is formed at every temperature and pressure change.

TECHNICAL DETAILS

- Small size, full equipment
- In air-water separation perfect result
- Optional zero air loss
- Highly efficient heat transfer
- Between 7/40 bar



MMD SERIES

The new lightweight modular series of dryers have brought a breath of fresh air to the compressed air industry, as these products are both easy to install and meet many customer requirements. SpeedAir's new modular series of chemical dryers are half the weight of standard tank dryers. Even the largest capacity of these products can pass through a standard door.

TECHNICAL DETAILS

Thanks to its product range from 5 m3 / hour to 400 m3 / hour and from -40 °C to 70 °C (optional), the product addresses many needs. It is sufficient to make the input and output connections and connect the product to electricity to bring the product into working condition.

On-Tank Screw Compressors | 8 - 10 bar

On Tank Top Models; compressor, air tank, Dryer and line filters are shipped as connected and ready for operation.

In addition, our tank-top series screw compressors designed for businesses that do not have a compressor room are designed to operate at 100% load 24/7 with minimum operating cost and maximum efficiency.

For commissioning, it is sufficient to make the electrical connection and connect the air outlet to the main installation.

Speedair Tank top series is the most important assistant of your business with its long maintenance intervals, widespread service network, economical and accessible spare parts.

You can choose the on-tank series compressors only as a compressor, or you can choose as Compressor + Tank or Compressor + Tank + Dryer depending on the needs and infrastructure of your processing.



Model	Flow			Engine Power kW/hp	Voltage Phase volt	Air Out inch	Tank Volume Lt	Sizes (W x L x H) mm
	7	10	13					
S-7.5 Compact	1,1	0,9	0,7	7.5./10	400/3	3/4"	530	643 x 1800 x 1580
S-11 Compact	1,7	1,3	1,1	11/15	400/3	3/4"	530	643 x 1800 x 1580
S-15 Compact	2,6	2,1	1,75	15/20	400/3	1"	750	820 x 1800 x 1670
S-18.5 Compact	3,1	2,6	2,2	18,5/25	400/3	1"	750	820 x 1800 x 1670
S-22 Compact	3,8	3,1	2,75	22/30	400/3	1"	750	820 x 1800 x 1670



Fixed Speed Screw Compressors | 8 - 13 bar

S Series Fixed Speed V Poly Belt Driven Screw Compressors; It has been designed to meet the constant compressed air needs of medium and large enterprises.

Strong, compact, easy to install and maintain, completely designed on high efficiency, quality and durability, each part is manufactured and assembled within the framework of international quality standards, fixed speed screw compressors ensure that the needs of the enterprises continue without interruption even in the most difficult conditions with their durable designs.

Fixed speed compressors are the ideal choice for businesses with standard air consumption (non-variable).



Model	Flow /m3 dak			Engine Power	Voltage Phase	Air Out	Sizes (W x L x H)
	7	10	13	kW/hp	volt	inch	mm
S - 7.5	1,17	0,97	0,8	7.5/10	400/3	3/4"	643 x 818 x 865
S - 11	1,7	1,46	1,25	11/15	400/3	3/4"	643 x 818 x 865
S - 15	2,65	2,3	1,95	15/20	400/3	1"	820 x 900 x 1550
S - 18.5	3,3	2,7	2,26	18,5/25	400/3	1"	820 x 900 x 1550
S - 22	3,8	3,2	2,56	22/30	400/3	1"	820 x 900 x 1550
S - 30	5,1	4,15	3,51	30/40	400/3	1 1/4"	892 x 900 x 1800
S - 37	6,3	5,42	4,46	37/50	400/3	1 1/2"	950 x 950 x 1800
S - 45	7,31	6,31	5,3	45/60	400/3	1 1/2"	1200x 1200 x 1800
S - 55	9,8	7,67	6,41	55/75	400/3	2"	1200 x 1200 x 1800
S - 75	13	11	9,66	75/100	400/3	2"	1200 x 1200 x 1800



VSD Coupled Screw Compressors | 8 - 10 bar



Direct Drive With Inverter

Our compressors with inverter (VSD - Direct coupled DA. Variable Speed Drive); It provides energy savings of up to 55% in businesses that require variable amounts of air and plays a role in increasing the operating life of the compressor.

Soft Start and Long Life

During the star-delta start-up of the electric motor, the excessive (inrush current) current drawn in the star period and the electromechanical loads that occur are eliminated by the soft start and stop opportunity provided by the inverter, and the life of the equipment used in the compressor increases and consequently maintenance costs are reduced.

Economic Operation and Constant Outlet Pressure

Standard screw compressors switch to idle when the target pressure is reached, and back to load when the specified lower pressure is reached. When the compressor is idle, no compressed air is produced while the electric motor continues to operate at its fixed speed, and the compressor continues to consume 30% of energy according to the load.

In addition, it causes a decrease in the life of the compressor due to the wear of the moving parts of the compressor during the mechanical load changes in the load and empty transitions in the standard screw compressors.

In inverter compressors, the electric motor runs at the optimum speed to meet the momentary air requirement of the enterprise. Energy savings and at the same time, the targeted constant outlet air pressure is achieved. In this way, the life of the compressor is prolonged.

Low Reactive Power Usage

In inverter compressors, the reactive power that needs to be compensated is eliminated. The paid reactive power cost is reduced.

Stable Oil Temperature

Contrary to standard screw compressors, the fact that the oil used in the system caused by the operation between the lower and upper pressure is not exposed to sudden heating and cooling reduces the thermal (thermal) expansion loads in the compressor circuit elements in contact with the oil, especially in the bearings, and the life of these parts increases.

Heat Recovery System (Optional)

Approximately 60% of the electrical energy used in industrial air compressors is heat energy. is translated. The use of the heat energy transferred to the environment through heat recovery in water and environment heating enables an enterprise to make serious energy savings.

Converting 50-90% of the heat energy lost in the compressor into useful energy by a heat exchanger designed in accordance with operating conditions is a serious factor in reducing operating costs.

Model	Flow /m3 dak		Engine Power	Voltage Phase	Air Out	Sizes (W x L x H)
	Min	Max	kW/hp	volt	inch	mm
S-22 VSD DA	1.40	3.80	22/30	400/3	1 1/4"	850 x 1400 x 1500
S-30 VSD DA	2.20	5.60	30/40	400/3	1 1/2"	900 x 1600 x 1500
S-37 VSD DA	2.70	6.80	37/50	400/3	1 1/2"	900 x 1600 x 1500
S-45 VSD DA	3.14	7.85	45/60	400/3	1 1/2"	1150 x 1700 x 1600
S-55 VSD DA	4.10	9.90	55/75	400/3	2"	1150 x 1700 x 1600
S-75 VSD DA	5.30	13.00	75/100	400/3	2"	1300 x 1800 x 1800
S-90 VSD DA	6.40	16.00	90/125	400/3	2"	1600 x 2250 x 1850
S-110 VSD DA	7.60	19.00	110/150	400/3	2"	1600 x 2250 x 1850
S-132 VSD DA	9.32	23.30	132/180	400/3	2"	1600 x 2250 x 1850
S-160 VSD DA	11.40	28.50	160/220	400/3	2 1/2"	1600 x 3000 x 1900
S-200 VSD DA	16.50	41.40	200/270	400/3	2 1/2"	1600 x 3000 x 2200



Screw Compressors With Poly V Belt With Inverter | 8 - 13 bar



Our V-belt compressors with inverter (VSD - Variable Speed Drive); It provides energy savings of up to 55% in businesses that require variable amounts of air and plays a role in increasing the compressor's working life.

Space Saving

Since the compressor dimensions are vertical in the Poly V series, it takes up less space than the horizontal coupled series.

Soft Start and Long Life

During the star-delta start-up of the electric motor, the excessive (inrush current) current drawn in the star period and the electromechanical loads that occur are eliminated by the soft start and stop opportunity provided by the inverter, and the life of the equipment used in the compressor increases and consequently maintenance costs are reduced.

Economic Operation and Constant Outlet Pressure

Standard screw compressors switch to idle when the target pressure is reached, and back to load when the specified lower pressure is reached. When the compressor is idle, no compressed air is produced while the electric motor continues to operate at its fixed speed, and the compressor continues to consume 30% of energy according to the load.

In addition, it causes a decrease in the life of the compressor due to the wear of the moving parts of the compressor during the mechanical load changes in the load and empty transitions in the standard screw compressors.

In inverter compressors, the electric motor runs at the optimum speed to meet the momentary air requirement of the enterprise. Energy savings and at the same time, the targeted constant outlet air pressure is achieved. In this way, the life of the compressor is extended.

Low Reactive Power Usage

In inverter compressors, the reactive power that needs to be compensated disappears. The paid reactive power cost is reduced.

Stable Oil Temperature

Contrary to standard screw compressors, the fact that the oil used in the system caused by the operation between the lower and upper pressure is not exposed to sudden heating and cooling reduces the thermal (thermal) expansion loads in the compressor circuit elements in contact with the oil, especially in the bearings, and the life of these parts increases.

Model	Flow /m3 dak			Engine Power kW/hp	Voltage Phase volt	Air Out inch	Sizes (W x L x H) mm
	Min		Max				
S-22 VSD-k	1,52		3.80	22/30	400/3	1"	820 x 1170 x 1047
S-30 VSD-k	2,1		5.20	30/40	400/3	1 1/4"	895 x 1540 x 1700
S-37 VSD-k	2.50		6.20	37/50	400/3	1 1/2"	895 x 1550 x 1700
S-45 VSD-k	3.00		7.50	45/60	400/3	1 1/2"	895 x 1560 x 1700
S-55 VSD-k	3.80		9.70	55/75	400/3	2"	1165 x 1885 x 1800
S-75 VSD-k	5.20		13.00	75/100	400/3	2"	1165 x 1885 x 1800

Chemical Air Dryers | 7 - 40 bar



The new lightweight modular series of dryers have brought a breath of fresh air to the compressed air industry, as these products are both easy to install and meet many customer requirements. SpeedAir's new modular series of chemical dryers are half the weight of standard tank dryers. Even the largest capacity of these products can pass through a standard door.

SpeedAir's innovative Modular Air Dryers have the flexibility to provide high quality compressed air service wherever it is desired. SpeedAir Modular chemical dryers are cosmetic it is quite aesthetic.

Therefore, these products can be used in very clean and decent places. The product from 5 m³ / h to 400 m³ / h and from -40 ° C to -70 ° C (optional) Thanks to its diversity, the product addresses many needs. It is sufficient to make the input and output connections and connect the product to electricity to bring the product into working condition.

With its highly engineered inlet valve and outlet manifold design, SpeedAir is proud to offer the lowest pressure drop dryer in the industry. The new modular chemical dryers combine proven traditional dryer principles with the latest technology to provide unprecedented efficiency, flexibility and bring the world-renowned SpeedAir reliability to your applications.

Model	Flow (m ³ /hour)		Connection Size	Max. Working Pressure (bar)	Voltage Phase	Weight (kg)	Sizes (mm)		
							Width	Length	Height
MMD3	5	3	1/2"	16	115-240V/50-60HZ.	17	320	336	558
MMD5	10	5	1/2"	16	115-240V/50-60Hz.	19	320	320	633
MMD10	20	10	1/2"	16	115-240V/50-60Hz.	27	320	320	908
MMD15	25	15	1/2"	16	115-240V/50-60Hz.	31	370	350	808
MMD20	35	20	1/2"	16	115-240V/50-60HZ.	42	370	350	1108
MMD25	45	25	1/2"	16	115-240V/50-60HZ.	48	370	350	1258
MMD30	50	30	1/2"	16	115-240V/50-60HZ.	54	370	350	1508
MMD40	70	40	1 1/2"	16	115-240V/50-60Hz.	71	410	495	1250
MMD50	85	50	1 1/2"	16	115-240V/50-60Hz.	78	410	495	1400
MMD60	100	60	1 1/2"	16	115-240V/50-60Hz.	92	410	495	1750
MMD75	130	75	1 1/2"	16	115-240V/50-60Hz.	120	430	622	1300
MMD100	170	100	1 1/2"	16	115-240V/50-60Hz.	133	430	622	1450
MMD120	200	120	1 1/2"	16	115-240V/50-60Hz.	152	430	622	1750
MMD180	300	180	1 1/2"	16	115-240V/50-60Hz.	186	410	734	1499
MMD240	400	240	1 1/2"	16	115-240V/50-60Hz.	235	410	889	1497

Compressed Air Dryers | 7 - 40 bar

Variable amounts of moisture are present in the atmospheric air sucked by the air compressor. When this humidity is brought to a certain pressure and temperature value with the help of the compressor, it condenses with the effect of pressure and cooling. Liquid water is formed at every temperature and pressure change.

This liquid water; It causes malfunctions in pneumatic systems, corrosion in the installation, loss of diameter, as well as a series of problems that trigger each other. These damages, which cause loss of work, time and money, are prevented by cooling the compressed air with the cooling dryer (+ 3 ° C dew point) and the evacuation of the liquid water. Clean and dry compressed air will reduce the operating cost of your facility and ensure its efficient operation.

Advantages

- The low pressure drop protects the compressor efficiency.
- The product being opened and ready to work in a very short time increases the production time.
- All dryers are specially designed to consume the least energy with the right ingredients
- High energy saving R134a refrigerant is standard in all our models.
- Thanks to Speedair Dryer's unique state-of-the-art heat exchanger design, it provides much more energy saving compared to its competitors.
- Using the best refrigerant compressors in its class, Mikropor dryers consume less energy compared to all competitive dryers.
- By controlling the condenser fans with pressure switches, the system is always operated under the required conditions, thus providing a high energy saving.

Applications

Speedair offers all filtration and air purification products in its range to the market at affordable prices. Speedair compressed air products, food production, dairies, chemical enterprises, pure air and clean air technology, Pharmacy industry, weaving machines, photo laboratories, spray painting, powder coating, packaging / packaging, device air control, sandblasting and / or spraying machines, general air business, microchip production, optics, air processing and many other sectors are also working smoothly and with high efficiency.



Compressed Air Dryers | 7 - 40 bar

Model	Flow (mVHour)	Voltage	Connection Size	Filter Type and Peices	Element Type	Pressure Drop (m bar)	Controller Type	Max. Working Pressure (barg)	Maks. Ortam Sıcaklığı (°C)	Maks. Ambient Temp. (°C)
MKE-23	23	230/1/50	1/2"	1 * GK045X + 1 * GK045Y	MK045 KIT	115	Digi-Pro	16	45	50
MKE-38	38	230/1/50	1/2"	1 * GK045X + 1 * GK045Y	MK045 KIT	170	Digi-Pro	16	45	50
MKE-53	53	230/1/50	1/2"	1 * GK045X + 1 * GK045Y	MK045 KIT	280	Digi-Pro	16	45	50
MKE-70	70	230/1/50	1/2"	1 * GK070X + 1 * GK070Y	MK070 KIT	250	Digi-Pro	16	45	50
MKE-100	100	230/1/50	3/4"	1 * GK0150X + 1 * GK0150Y	MK0150 KIT	100	Digi-Pro	16	45	50
MKE-155	155	230/1/50	3/4"	1 * GK0150X + 1 * GK0150Y	MK0150 KIT	220	Digi-Pro	16	45	50
MKE-190	190	230/1/50	3/4"	1 * GK0150X + 1 * GK0150Y	MK0150 KIT	320	Digi-Pro	16	45	50
MKE-210	210	230/1/50	1 1/2"	1 * GK0500X + 1 * GK0500Y	MK0500 KIT	220	Digi-Pro	16	45	50
MKE-305	305	230/1/50	1 1/2"	1 * GK0500X + 1 * GK0500Y	MK0500 KIT	320	Digi-Pro	16	45	50
MKE-375	375	230/1/50	1 1/2"	1 * GK0500X + 1 * GK0500Y	MK0500 KIT	200	Digi-Pro	16	45	50
MKE-495	495	230/1/50	2"	1 * GK0851X + 1 * GK0851Y	MK0851 KIT	310	Digi-Pro	16	45	50
MKE-623	623	230/1/50	2"	1 * GK01210X + 1 * GK01210Y	MK01210 KIT	240	Digi-Pro	16	45	50
MKE-930	930	230/1/50	2"	1 * GK01210X + 1 * GK01210Y	MK01210 KIT	150	Digi-Pro	16	45	50
MKE-1200	1200	230/1/50	2"	1 * GK01210X + 1 * GK01210Y	MK01210 KIT	190	Digi-Pro	16	45	50
MKE-1388	1388	400/3/50	3"	1 * GK01820X + 1 * GK01820Y	MK01820 KIT	350	Digi-Pro	16	45	50
MKE-1800	1800	400/3/50	3"	1 * GK01820X + 1 * GK01820Y	MK01820 KIT	290	Digi-Pro	16	45	50
MKE-2500	2500	400/3/50	3"	1 * GK02700X + 1 * GK02700Y	MK02700 KIT	190	Digi-Pro	16	45	50
MKE-2775	2775	400/3/50	3"	1 * GK02700X + 1 * GK02700Y	MK02700 KIT	350	Digi-Pro	16	45	50
MKE-3330	3330	400/3/50	DN100	Not included	Not included	270	Digi-Pro	16	45	50
MKE-3915	3915	400/3/50	DN100	Not included	Not included	380	Digi-Pro	16	45	50
MKE-5085	5085	400/3/50	DN100	Not included	Not included	320	ESD-3	16	45	50
MKE-5850	5850	400/3/50	DN100	Not included	Not included	350	ESD-3	16	45	50
MKE-6975	6975	400/3/50	DN150	Not included	Not included	320	ESD-3	16	45	50
MKE-7875	7875	400/3/50	DN150	Not included	Not included	350	ESD-3	16	45	50
MKE-9000	9000	400/3/50	DN150	Not included	Not included	350	ESD-3	16	45	50
MKE-10500	10500	400/3/50	DN200	Not included	Not included	350	ESD-3	16	45	50
MKE-12500	12500	400/3/50	DN200	Not included	Not included	350	ESD-3	16	45	50

Nitrogen Generator

Pressure Swing Adsorption (PSA) type Nitrogen Generators are used for the separation and enrichment of Nitrogen gas from oxygen using Carbon Molecules Sieve (CMS). Carbon Molecules Sieve (CMS) allows the passage of nitrogen gas while holding oxygen and water vapor molecules under a certain pressure.

Nitrogen Generator,
It consists of two adsorber tanks.

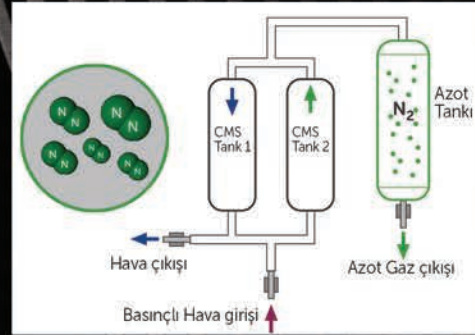
Nitrogen Generator consists of 2 tanks containing Carbon Molecular Sieve (CMS) as adsorber, valve group, air filters, pressure regulator and storage and balancing tank.

Air passed through the dryer and filtered is sent to one of the adsorption tanks. CMS (Carbon Molecular Sieve) in the tank keeps oxygen and water vapor molecules in its pores, thus producing Nitrogen gas. Nitrogen gas can be produced in purities between 95% - 99.999% according to customer needs. The nitrogen gas produced is sent to the storage tank from the top of the tank.

Nitrogen is produced at a pressure lower than the supply air pressure.

Features:

- Simple structure, compact design, fully automatic system.
- 24/7 on-site nitrogen production (Fig. 1)
- Touch PLC screen to control the whole system (Fig.2)
- PLC screen and quick opening for process monitoring and visualization.
- Innovative silencer designs and safe system. (Low noise level in depressurization processes)
- Piston valves resistant to long operating time
- customized production and low cost.
- High performance. Nitrogen capacities and purity values in accordance with customer demands. (Nitrogen purity level is between 95% - 99.999%)
- Minimum maintenance cost. (Filters should be changed periodically.)



Model	Buffer Tank	Connections		Dimensions (mm)		
		Air Inlet	Nitrogen Outlet	Width	Length	Height
MNG-10	26 L	1/2"	1/2"	610	1120	1090
MNG-20	35 L	1/2"	1/2"	560	1081	1284
MNG-35	52 L	1/2"	1/2"	736	1179	1787
MNG-60	70 L	1/2"	1/2"	932,5	1115,5	1485
MNG-95	97 L	1"	1/2"	760	1659	1485
MNG-120	126 L	1"	1/2"	890	1634	1442
MNG-150	151 L	1"	1/2"	890	1634	1639
MNG-250	280 L	1"	1/2"	892	1760	1975
MNG-330	408 L	1"	1/2"	950	1910	2025
MNG-450	464 L	1"	1/2"	1010	2218	2134
MNG-510	515 L	1 1/2"	3/4"	1010	2208	2028
MNG-570	573 L	1 1/2"	3/4"	1010	2208	2226
MNG-730	712 L	1 1/2"	3/4"	1110	2685	2084
MNG-910	1,042 m ³	1 1/2"	1"	1220	2727	2485
MNG-1110	1,290 m ³	1 1/2"	1"	1322	2896	2521
MNG-1230	1,402 m ³	2"	1"	1322	2898	2724
MNG-1370	1,498 m ³	2"	1 1/4"	1355	2895	2941
MNG-1820	2,019 m ³	2"	1 1/2"	1793	3599	2634
MNG-2050	2,336 m ³	DN80	1 1/2"	1964	3390	3124
MNG-2550	2,336 m ³	DN80	2"	2139	3666	3194
MNG-2950	2,336 m ³	DN80	2"	2245	4074	2787
MNG-3540	2,336 m ³	DN80	2"	2375	4024	3054
MNG-4160	2,336 m ³	DN80	2"	2376	4020	3361
MNG-5560	2,336 m ³	DN100	2 1/2"	2425	4125	3890
MNG-9170	2,336 m ³	DN150	DN80	2986	4502	4364
MNG-11200	2,336 m ³	DN150	DN100	4672	3081	4728

Note: Mikropor supplies buffer tank volumes for 99,5% and higher Nitrogen purities. For purities lower than 99,5%, it may be necessary to use an additional tank.



Correction Factor

Inlet Pressure (bar)	F1	Ambient Temp. (°C)	F2
6	0,82	5	0,85
6,5	0,88	10	1
7	0,94	15	1
7,5	1	20	1
8	1,05	25	1
8,5	1,1	30	0,91
9	1,14	35	0,82
9,5	1,2	40	0,74
10	1,21	45	0,6

To determine the nitrogen generator model in the reference conditions divide the nitrogen flow rate to the factors mentioned above.

Compressed Air Filters



G Series Compressed Air Filters

Compressed Air Filters offer a comfortable use to the end user. It has low pressure drop, it is durable and the product range includes all connection diameters required by the industry.



GO Series Compressed Air Filters

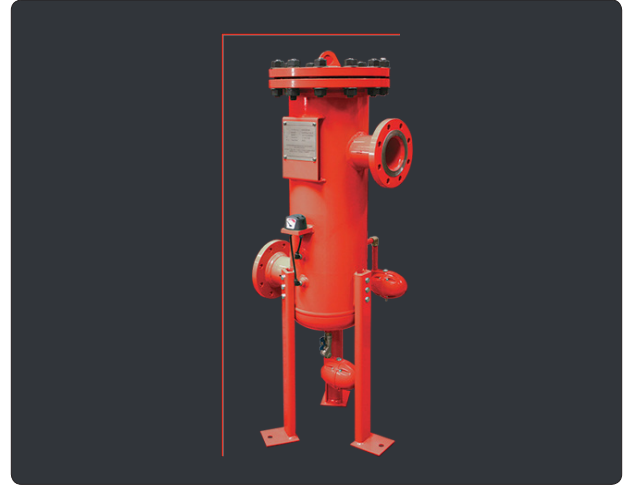
In addition to the G series, the GO series has been released. GO series compressed air filters are designed for easy insertion and removal of the elements inside.



G Series Compressed Air Filters

Egg drains are designed to easily evacuate the liquid collected at certain points.

In order to protect the egg discharge from corrosion, it is covered with durable epoxy powder paint on the outside and anode inside.



GO Series Compressed Air Filters

Oil Mist Separators: It is designed to effectively separate oil vapor from piston and screw compressors.

Even if the compressor's oil separator fails, it protects the system from oil mist under all conditions.

USEFUL INFORMATION



WHAT IS A SCREW COMPRESSOR? HOW DOES IT WORK ?

Screw air compressors are displacement compressors, ie positive displacement compressors. The most common compressor used is screw air compressor. It consists of a single stage, helical and spiral lobes and a pair of rotors with grooves, as well as oil injected. These compressors, which have a closed body, have a pair of rotors that rotate in this body to compress the air. There are no suction or discharge valves. The important situation is cooled by the oil sprayed into the screw to close the screw rotors and the gaps between the rotors and the screw body. At the end of such an application, it prevents the working temperature of the parts in the building from rising to high temperatures. As you can see, screw air compressors, which are simple to construct, and the scarcity of wearing parts, easy maintenance and operation, show that they are easy to design completely. Screw compressors can be produced as water-cooled and air-cooled, oil-free or oil-injected, two-stage or single-stage. They have a diverse range of capacity and pressure.

WHY INVERTER SCREW COMPRESSOR?

The concept of efficiency started to gain importance in every sector. "Energy saving", which was not considered much in the previous periods, has become the top of the list today when calculating production costs. Businesses sought economy in compressors, especially in screw compressors with high electricity consumption, in order to save money. Screw system compressors can be made efficient when evaluated correctly due to both the cost of electricity and the heat they unintentionally produce. Its temperature, which can almost reach 90- 100 degrees, is used for heating in winter. Increasing the use of inverters in screw compressors, providing an appropriate control and control, reduces the energy costs of compressed air. The air pressure required in businesses is not constant, it is constantly changing. Controlling existing compressors with electronic applications and operating them efficiently reduces energy costs. In screw compressors where high power electric motors are used, driver applications provide a decrease in costs and increase in efficiency. In this way, it is ensured to work smoothly for many years.

WHAT IS AIR DRYER?

Air dryer is a device that provides drying of moist air in the system. When each compressor reaches a high system temperature, it necessarily sends some humidity of the air to the system. This problem occurs especially in hot weather. Using a gas cooling system to minimize the air temperature in the system (up to + 3 °), this device is called a compressed air dryer.

THE IMPORTANCE OF SCREW AIR COMPRESSOR MAINTENANCE

It is very important that the maintenance of screw compressors are done on time and by an expert team. Compressors that are not maintained constantly fail and cause job losses. Maintenance-free compressors consume more electricity than necessary and work inefficiently. For these reasons, it is very important that the compressor maintenance is done on time and by expert technical service. Compressor maintenance is not just filter and oil change. It minimizes the malfunctions that may arise and ensures that your compressor operates smoothly and for a long time. Speedair Compressor is at your service 24 hours a day, 7 days a week, with its technical service team equipped in line with your needs and nearly half a century of experience in the sector. If you want continuity, we are always here.





İkitelli OSB Triko Center 9M Blok No:14 Başakşehir / İstanbul - TR



+90 (212) 486 32 71



+90 (212) 486 32 74



info@speedairkompresor.com



www.speedairkompresor.com