

MADE IN ITALY



**POWER
SYSTEM**
AIR COMPRESSORS

Oil-free Single-Scroll
and Multi-Scroll compressors

FLEMING
FIXED SPEED
2.2-30 kW



FLEMING

Oil-free Single-Scroll and Multi-Scroll compressors

Building sustainable systems for a more intelligent planet



Motori IE3 “Premium Efficiency”

Fully focused on combining maximum reliability with optimum energy efficiency.



Oil-free compressed air

Totally oil-free compressed air is a specific requirement in many production processes.

The oil-free Scroll FLEMING range developed by Power System satisfies all these sectors, with a dynamical range of power and model sizes from 2.2 to 30 kW, at 8 or 10 bar. Scroll pumps are certified in Class 0, in accordance with ISO8573-1 directives.



Very silent

The FLEMING range is extremely quiet and can be installed in virtually any environment ensuring the comfort and safety of all operators with minimum impact to the surroundings.



Robust design

The FLEMING oil-free scroll compressors are built using the highest quality components throughout. The attention to detail in the build, finishing and testing of the product results in a high performance, high reliability and silent operation.



Multiple scroll pumps

Extremely flexible design, with 2 or 4 pumps for different possible assemblies.

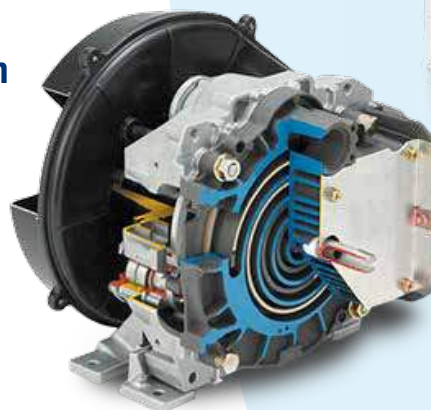


Integrated condensate drain

After-cooler with integrated condensate drain, available in standard configuration on all multi-scroll models.

When choose an oil-free scroll compressor:

- Pharmaceutical industry
- Medical Laboratories
- Food and Beverages production
- Chemical industry
- Special Food Treating Equipment (milking robot)
- Laser Equipment processes
- Packaging, PET bottles
- Industrial painting.



A flexible design to suit any specific requirement and assurance of operation

FIELD OF APPLICATION	CLASS	Concentration total oil mg/m ³
As specified by the equipment user or supplier and more stringent than class 1 - ISO8573-1	0	0.00
Medical, chemical, biotechnologies, food and beverages, pharmaceuticals, electronics, packaging, PET bottles.	1	≤ 0.01
Paper industry, photographic laboratories, colour injectors.	2	≤ 0.1
Control instruments, sand-blasting.	3	≤ 1
Low-performance sand-blasting.	4	≤ 5

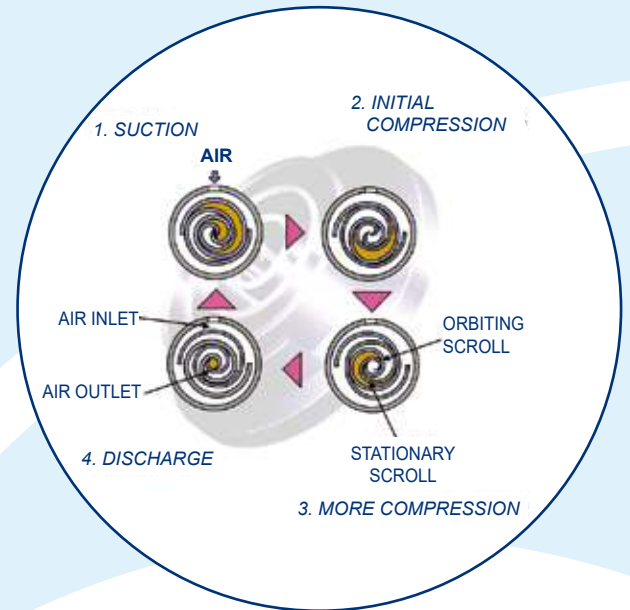
High quality compressed air

The FLEMING models with air receiver are optionally available with integrated refrigerated dryer ensuring high quality compressed air, allowing operating efficiency and providing improved final product quality, enhancing competitiveness.



Single-scroll versions from 2.2 to 7.5 kW:

- floor mounted
- receiver mounted
- complete with air receiver and refrigerated dryer



Spiral scroll-technology

- Labyrinth Lap for high compressor reliability.
- Alumite treatment.
- Aluminium die casting.
- Oil-free compression chamber for high quality air.
- Oversized roller bearing.
- Air after-cooler for higher efficiency and durability.

Two spirals without any metal-to-metal contact in between, intake air and compress it in 3 successive phases to deliver it at 8 or 10 bar of pressure. The simple process allows a smooth contact-free operation of the scrolls and thus provides a very long service life to all the components and therefore to the complete unit.



FLEMING

Oil-free Single-Scroll and Multi-Scroll compressors

Efficiency + Reliability = Productivity

The highest manufacturing standards are applied to guarantee the maximum performance and reliability. A proven technology developed to compress air in absolute absence of oil.



**Multi-scroll versions
from 11 to 30 kW**

Why choose a Multi-scroll compressor?

- To supply user-friendly OIL-FREE COMPRESSED AIR.
- To reduce installation and maintenance costs (no expensive and complicated compressed air filters networks).
- To increase efficiency in all areas of the compressor operation.
- To save energy and environmental costs.
- To provide the most modern, compact, robust, reliable and durable oil-less rotary compressor.
- To promote industrial processes safeguarding ambient sustainability.



Simplified maintenance

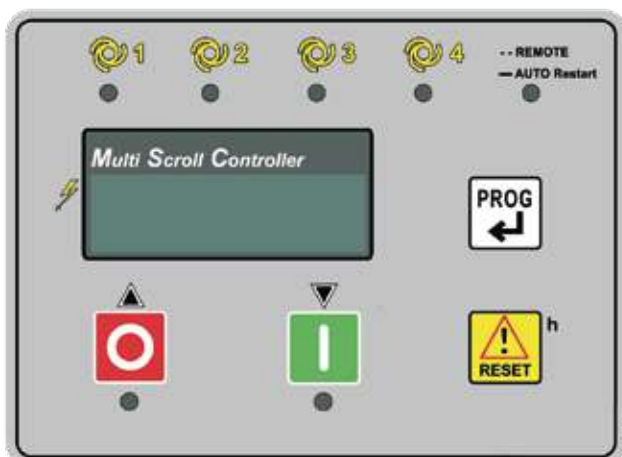
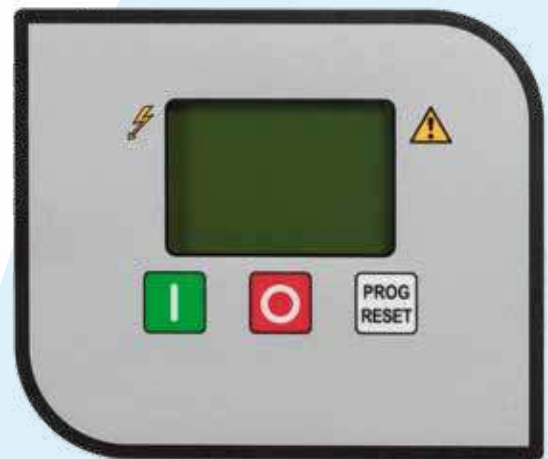
All components subject of regular maintenance are easily and quickly accessible, allowing to minimize service cost and time.

Optimal control and adjustment

The advanced controllers fitted to the FLEMING range have been specifically developed to guarantee optimum monitoring and regulation of the compressors operation, allowing flexibility and full programming of the complete compressed air station for maximum efficiency and safety.

SSC controller Installed on single-scroll models from 2.2 to 7.5 kW

The LCD display indicates the working conditions and includes remote control, auto-restart functions, alarms and routine maintenance information.



MSC controller Installed on multi-scroll models from 11 to 30 kW

The alphanumeric LCD display features multi-language menu, controls the operation of multi-scroll compressors in order to satisfy the air demand automatically starting and stopping the number of compressors needed. Furthermore the MSC controller varies continuously the starting order of the units in order to balance the operating time of each pump. Includes remote control, auto-restart functions, alarms and routine maintenance information.

FLEMING 2.2-7.5 kW

Code	Air receiver	Power		Air outflow rate		Max. pressure		Sound level	Connec-tion	Net weight		Net dimensions		Gross weight		Gross dimensions	
	ℓ	kW	HP	l/min.	c.f.m.	bar	p.s.i.	dB(A)	Ø	kg	Lbs	L x W x H (mm)		kg	Lbs	L x W x H (mm)	

SILENCED - SINGLE-SCROLL

FLEMING 2.2

FLEMING 2.2-08	VW0SK72PWS521	–	2.2	3	250	8.8	8	116	60	3/4"	125	275,5	800x600x852	139	306,4	940x770x1030
FLEMING 2.2-10	VW0SA72PWS521	–	2.2	3	210	7.4	10	145	60	3/4"	125	275,5	800x600x852	139	306,4	940x770x1030
FLEMING 2.2-08-270	VW3SK72PWS521	270	2.2	3	250	8.8	8	116	60	3/4"	198	436,4	1572x600x1459	233	513,5	1760x750x1680
FLEMING 2.2-10-270	VW3SA72PWS521	270	2.2	3	210	7.4	10	145	60	3/4"	198	436,4	1572x600x1459	233	513,5	1760x750x1680
FLEMING 2.2-08-270 DF	VW3SK72PWS621	270	2.2	3	250	8.8	8	116	60	3/4"	220	484,9	1572x600x1459	255	562	1760x750x1680
FLEMING 2.2-10-270 DF	VW3SA72PWS621	270	2.2	3	210	7.4	10	145	60	3/4"	220	484,9	1572x600x1459	255	562	1760x750x1680

FLEMING 3.7

FLEMING 3.7-08	VW0SB92PWS521	–	3.7	5	420	14.8	8	116	62	3/4"	147	324	800x600x852	161	354,8	940x770x1030
FLEMING 3.7-10	VW0DZ92PWS521	–	3.7	5	345	12.2	10	145	62	3/4"	147	324	800x600x852	161	354,8	940x770x1030
FLEMING 3.7-08-270	VW3SB92PWS521	270	3.7	5	420	14.8	8	116	62	3/4"	220	484,9	1572x600x1459	254	559,8	1760x750x1680
FLEMING 3.7-10-270	VW3DZ92PWS521	270	3.7	5	345	12.2	10	145	62	3/4"	220	484,9	1572x600x1459	254	559,8	1760x750x1680
FLEMING 3.7-08-270 DF	VW3SB92PWS621	270	3.7	5	420	14.8	8	116	62	3/4"	246	542,2	1572x600x1459	280	617,1	1760x750x1680
FLEMING 3.7-10-270 DF	VW3DZ92PWS621	270	3.7	5	345	12.2	10	145	62	3/4"	246	542,2	1572x600x1459	280	617,1	1760x750x1680

FLEMING 5.5

FLEMING 5.5-08	VW0SD92PWS521	–	5.5	7.5	620	21.9	8	116	68	3/4"	212	467,2	900x680x850	230	506,9	990x850x1060
FLEMING 5.5-10	VW0SX92PWS521	–	5.5	7.5	460	16.2	10	145	68	3/4"	212	467,2	900x680x850	230	506,9	990x850x1060
FLEMING 5.5-08-270	VW3SD92PWS521	270	5.5	7.5	620	21.9	8	116	68	3/4"	275	606,1	1571x680x1420	315	694,3	1760x750x1680
FLEMING 5.5-10-270	VW3SX92PWS521	270	5.5	7.5	460	16.2	10	145	68	3/4"	275	606,1	1571x680x1420	315	694,3	1760x750x1680
FLEMING 5.5-08-270 DF	VW3SD92PWS621	270	5.5	7.5	620	21.9	8	116	68	3/4"	310	683,2	1571x680x1420	340	749,4	1760x750x1680
FLEMING 5.5-10-270 DF	VW3SX92PWS621	270	5.5	7.5	460	16.2	10	145	68	3/4"	310	683,2	1571x680x1420	340	749,4	1760x750x1680

FLEMING 7.5

FLEMING 7.5-08	VW0SE92PWS521	–	7.5	10	830	29.3	8	116	67	3/4"	240	529	900x680x850	258	568,6	990x850x1060
FLEMING 7.5-10	VW0YB92PWS521	–	7.5	10	650	22.9	10	145	67	3/4"	240	529	900x680x850	258	568,6	990x850x1060
FLEMING 7.5-08-270	VW3SE92PWS521	270	7.5	10	830	29.3	8	116	67	3/4"	305	672,2	1571x680x1420	340	749,4	1760x750x1680
FLEMING 7.5-10-270	VW3YB92PWS521	270	7.5	10	650	22.9	10	145	67	3/4"	305	672,2	1571x680x1420	340	749,4	1760x750x1680
FLEMING 7.5-08-270 DF	VW3SE92PWS621	270	7.5	10	830	29.3	8	116	67	3/4"	330	727,3	1571x680x1420	367	808,9	1760x750x1680
FLEMING 7.5-10-270 DF	VW3YB92PWS621	270	7.5	10	650	22.9	10	145	67	3/4"	330	727,3	1571x680x1420	367	808,9	1760x750x1680

FLEMING 11-30 kW

Code	Power		Air outflow rate		Max. pressure		Sound level	Connec-tion	Net weight		Net dimensions		Gross weight		Gross dimensions	
	kW	HP	l/min.	c.f.m.	bar	p.s.i.	dB(A)	Ø	kg	Lbs	L x W x H (mm)		kg	Lbs	L x W x H (mm)	

SILENCED - MULTI-SCROLL

FLEMING 11 - 2 SCROLL

FLEMING 11-08	VW0SF92PWS521	11	15	1240	44	8	116	67	1"	435	958,7	1012x1130x1120	490	1080	1310x1210x1340
FLEMING 11-10	VW0YA92PWS521	11	15	920	32	10	145	67	1"	435	958,7	1012x1130x1120	490	1080	1310x1210x1340

FLEMING 15 - 2 SCROLL

FLEMING 15-08	VW0SC92PWS521	15	20	1660	59	8	116	67	1"	475	1046,9	1012x1130x1120	530	1168,1	1310x1210x1340
FLEMING 15-10	VW0SO92PWS521	15	20	1300	46	10	145	67	1"	475	1046,9	1012x1130x1120	530	1168,1	1310x1210x1340

FLEMING 22 - 3 SCROLL

FLEMING 22-08	VW0SI92PWS521	22	30	2490	88	8	116	70	1"	720	1586,9	1500x1197x1580	810	1785,2	1715x1380x1800
FLEMING 22-10	VW0YC92PWS521	22	30	1950	69	10	145	70	1"	720	1586,9	1500x1197x1580	810	1785,2	1715x1380x1800

FLEMING 30 - 4 SCROLL

FLEMING 30-08	VW0YD92PWS021	30	40	3320	117	8	116	70	1"	930	2049,7	1500x1197x1580	1020	2248,1	1715x1380x1800
FLEMING 30-10	VW0YE92PWS021	30	40	2600	92	10	145	70	1"	930	2049,7	1500x1197x1580	1020	2248,1	1715x1380x1800

• Models from 5.5 to 7.5 kW are also available on demand with 500-lt air receiver.

• DF = With refrigerated dryer.

Reference conditions: Intake air temperature 20°C (68°F) - atmospheric pressure 1 bar (14.5 psig).

The air flow rates are measured at the following working pressures: 7.5 bar for models at 8 bar - 9.5 bar for models at 10 bar.

The data and performances in accordance with ISO 1217 directives. Sound level measured in accordance with PNEUROP/CAGI standards.

Since 1992 the POWER SYSTEM brand has been a worldwide leader in designing, developing, producing and distributing rotary screw compressors and piston compressors for professional and industrial use, with a power range between 1.5 and 315 kW, suitable for every technological sector, from large scale industry to small businesses. From the very beginning Power System's mission has been aimed at the constant search for advanced solutions to compress air with the lowest possible energy consumption.

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