

CATALOGUE 2025

COMPRESSORS - AIR TREATMENT



In 1958, due to the enormous growth experienced by the transport sector and as a result of the committed world of brake repair, JOSVAL was born. An initiative of two entrepreneurs in a firm commitment to service and quality that culminated in the manufacture of compressors.

Today, following the spirit with which we were born, Service, Technology and Quality continue to be our *raison d'être*. We manufacture in a different way, innovating, meeting the needs of companies, times and markets.

From our origins, we take care of each piece, each small part of the link to achieve a quality product. Because we know that compressed air is essential in the business of many companies.





Piston Compressors **4**

- CLASSIC Series	6
- MOTOR DRIVEN series	10
- BASE PLATES	14
- HEADS	16



Soundproofed piston compressors **18**

- SAUBER / SAUBER SILENCE Series	20
- BRISA / BRISA PLUS Series	22
- UATTRO Series	24
- MONCAYO Series	28



Scroll Compressors **32**

- SAUBER SCR CENTRAL Series	34
- PORTABLE SAUBER SCR Series	36
- SILENCE SAUBER Series	38

Screw Compressors **40**

- MOBIL SCR Series	42
- IBERUS Series	44
- GRAFENO EUPHORIA ^{PM} Series	50
- GRAFENO QUARTZ Series	54
- GRAFENO VBRIK ^{PM} Series	58

Air treatment **62**

- Cyclonic separators	63
- Tanks	64
- Refrigerant dryers	65
- Adsorption dryers	66
- Filters	67
- Carbon towers	68
- Water/oil separators	68
- Air pipeline system	69



Lubricants - Maintenance **70**

Energy efficiency **72**

- Multicontrol	72
- Heat recovery system	74
- Condensed drains	74

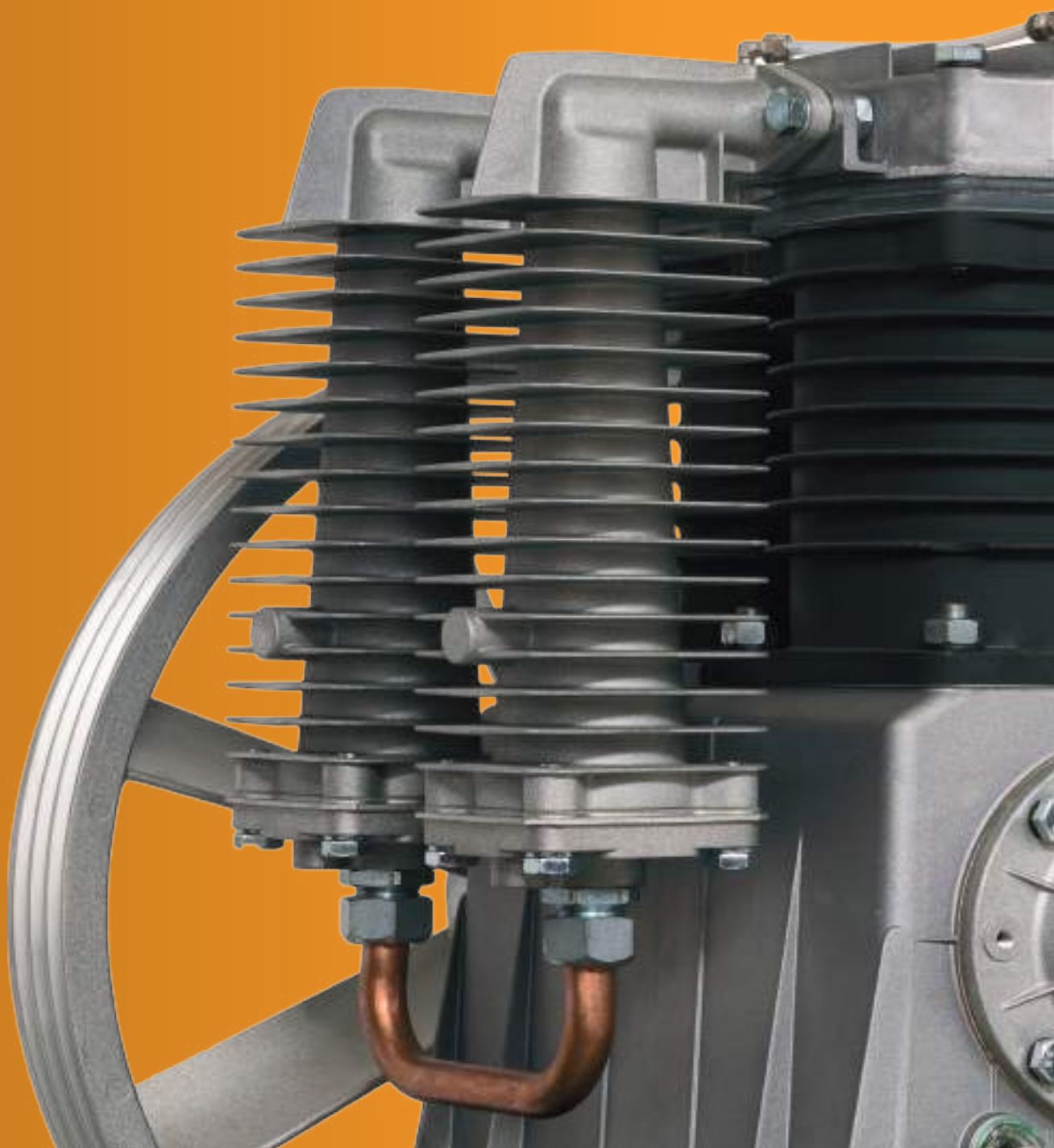


Control and communication **76**

1

PISTON

Compressors



Piston compressors nowadays represent nearly 80% of the overall compressors sales in the world. JOSVAL piston compressors have become an indispensable tool for our customers who appreciate its easy installation, management and specially, its reliability and low maintenance. Over the years, when our customers need to expand, they repeatedly turn to JOSVAL.



CLASSIC Series

MOTOR DRIVEN Series

BASE PLATES

HEADS

CLASSIC Series

CLASSIC series's compressors are the hallmark of Compresores JOSVAL. The result of more than 60 years of experience in the sector. These compressors are probably the most robust, most reliable and have the greatest air flow on the market.

MC-AH-150/ AUT



CLASSIC Head Series

Die-cast aluminum cylinder head

High efficiency oversized cooling fins

Reinforced graphite gaskets

Stainless steel reed valves

Pearlitic grey foundry cylinder

High resistance forged aluminum connecting rods

Double-support nodular foundry crankshaft

Connecting rods mounted on needle roller bearings

Die-cast aluminum crankcase. High efficiency heat evacuation



Air flow

set according to ISO 1217.



Together with all these features, the processes of machining and assembly are performed with the greatest care, getting extreme tolerances that provide us with a better performance of the air pump and total reliability.

Features

- Cast iron CYLINDER of superior strength that prolongs its life and its performance. (1)
- Oversized FINS for best cooling.
- Ductile CRANKSHAFT casting with double support for greater stability and dynamic balance. (2)
- VALVE PLATE of stainless steel reeds, with increased resistance to the temperatures and corrosion while providing a greater flow rate. (3)
- CONNECTING RODS in one piece, mounted on needle bearings to ensure lower friction, higher performance and less vibrations. (4)
- Die-cast aluminum CRANKCASE for better thermal evacuation. (5)
- Fan pulleys of injected aluminum with Double Wind Geometry- NACA profile that provide a 28% increase in head cooling. (6)
- ELECTRIC MOTOR for low power consumption, high efficiency IE3 and service S1. (7)
- Thermal overload PRESSURE SWITCH (only three phase models).



8 \ CLASSIC SERIES

Availability of special anti-dust filters.

(quarries, cement, etc.).

Consult price according to model



Specially for painting: the compressor model MCMLC-25/AUT is equipped with automatic valve for its continuous operation and start/stop switch. It is recommended for heavy-duty or textured paint jobs.



MC-MLC-25/AUT

SIGLE PHASE



Code	Model	HP	Kw	Lts	Cil./Et.	l/m	m³/h	r.p.m.	LxWxH mm	Kg
5081020	MC-MLC-25/AUT*	2	1,5	25	2/1	310	18,6	920	960x520x680	65
5081021	MC-MLC-25	2	1,5	25	2/1	310	18,6	920	960x520x680	65
5081051	MC-MLC-50	2	1,5	50	2/1	310	18,6	920	1010x590x760	75
5081070	MC-MLC-100	2	1,5	90	2/1	310	18,6	920	1040x440x840	79
5081180	MC-MLC-200	2	1,5	200	2/1	310	18,6	920	1380x480x950	104
5099021	MC-MAD-25	3	2,2	25	2/2	400	24	1135	960x520x710	74
5099051	MC-MAD-50	3	2,2	50	2/2	400	24	1135	1010x590x790	83
5099071	MC-MAD-100	3	2,2	90	2/2	400	24	1135	1040x440x870	87
5099181	MC-MAD-200	3	2,2	200	2/2	400	24	1135	1380x480x980	111
5099191	MC-MAD-300	3	2,2	270	2/2	400	24	1135	1500x490x1010	124

*AUT: equipped with automatic valve, recommended for heavy-duty or textured paint jobs.



MC-VAF-300



To perform the treatment of air from a CLASSIC series compressor, you will need a refrigerant dryer with built-in cooler series REDE and we recommend the use of a particle separator filter series FEP.



Star delta starter with integrated hour meter



MC-AH-500/A

- Piston compressors of the CLASSIC series incorporate a head of high performance and robustness, are bicilyndric of 1 or 2 stages and are electronically balanced.
- The compressors with tanks from 25 to 150 liters are portable and are equipped with wheels. The tanks from 200 liters on are static.
- Tanks are manufactured according to EU directives 2014/29/EU and 2014/68/EU.
- For its correct operation, the compressors (if are static) must be installed on the vibration supports supplied **CORRECTLY LEVELED** with the ground. In addition, for cooling purposes, you must provide a minimum distance of 50 cm between the compressor and the nearest wall, and check the correct rotational direction indicated by the red arrow located in the belt guard

THREE PHASE 10 BAR



Code	Model	HP	Kw	Lts	Cil./Et.	l/m	m³/h	r.p.m.	LxWxH mm	Kg
5181021	MC-LC-25	2	1,5	25	2/1	310	18,6	920	960x520x680	65
5181051	MC-LC-50	2	1,5	50	2/1	310	18,6	920	1010x590x760	75
5181071	MC-LC-100	2	1,5	90	2/1	310	18,6	920	1040x440x840	79
5181181	MC-LC-200	2	1,5	200	2/1	310	18,6	920	1380x480x950	104
5199021	MC-AD-25	3	2,2	25	2/2	400	24	1135	960x520x710	74
5199051	MC-AD-50	3	2,2	50	2/2	400	24	1135	1010x590x790	83
5199071	MC-AD-100	3	2,2	90	2/2	400	24	1135	1040x440x870	87
5199181	MC-AD-200	3	2,2	200	2/2	400	24	1135	1380x480x980	111
5199191	MC-AD-300	3	2,2	270	2/2	400	24	1135	1500x490x1010	124
5209191	MC-AE-300	4	3	270	2/2	590	35,4	910	1500x490x1120	155
5209211	MC-AE-500	4	3	500	2/2	590	35,4	910	1930x540x1190	215
5219071	MC-AF-100	5,5	4	90	2/2	780	46,8	1085	1040x440x980	125
5219075	MC-AF-100/AUT*	5,5	4	90	2/2	780	46,8	1085	1040x440x980	125
5219191	MC-AF-300	5,5	4	270	2/2	780	46,8	1085	1500x490x1120	163
5219211	MC-AF-500	5,5	4	500	2/2	780	46,8	1085	1930x540x1190	223
5222285	MC-AG-150/AUT*	7,5	5,5	150	2/2	1010	60,6	795	920x535x1170	203
5229201	MC-AG-270/AW*	7,5	5,5	270	2/2	1010	60,6	795	1500x490x1120	212
5229211	MC-AG-500	7,5	5,5	500	2/2	1010	60,6	795	1930x540x1300	277
5229215	MC-AG-500/A**	7,5	5,5	500	2/2	1010	60,6	795	1930x610x1300	285
5232285	MC-AH-150/AUT*	10	7,5	150	2/2	1400	84	1125	920x535x1170	210
5239201	MC-AH-270/AW****	10	7,5	270	2/2	1400	84	1125	1500x490x1120	253
5239211	MC-AH-500	10	7,5	500	2/2	1400	84	1125	1930x540x1300	286
5239215	MC-AH-500/A**	10	7,5	500	2/2	1400	84	1125	1930x540x1300	294
5219209	MC-AF-500/D***	2x5,5	2x4	500	4/2	2x780	2x46,8	1085	1930x540x1190	315
5259257	MC-AI-1000/A**	15	11	1000	4/2	2020	121,2	840	2150x820x1650	427
5269257	MC-AJ-1000/A**	20	15	1000	4/2	2770	166,2	1125	2150x820x1650	442

Los compresores trifásicos solicitados a 230V llevarán un incremento del 5% en el precio.

*AUT: equipped with automatic valve

A: star delta start (Y-Δ) | *D: duplex | ****AW: special width tank + star delta start (Y-Δ)

THREE PHASE 10 BAR - VERTICAL TANK

Code	Model	HP	Kw	Lts	Cil./Et.	l/m	m³/h	r.p.m.	mm	Kg
5199281	MC-VAD-150	3	2,2	150	2/2	400	24	1135	770x770x1200	135
5219241	MC-VAF-300	5,5	4	270	2/2	780	46,8	1085	820x600x1840	163

Three-phase compressors ordered at 230V will incur a 5% price increase.

THREE PHASE 15 BAR



Code	Model	HP	Kw	Lts	Cil./Et.	l/m	m³/h	r.p.m.	LxWxH mm	Kg
5192021	MC-AD2-25	3	2,2	25	2/2	400	24	1135	960x520x710	76
5192051	MC-AD2-50	3	2,2	50	2/2	400	24	1135	1010x590x790	85
5192181	MC-AD2-200	3	2,2	200	2/2	400	24	1135	1380x480x980	116
5192191	MC-AD2-300	3	2,2	300	2/2	400	24	1135	1600x490x1010	139
5202191	MC-AE2-300	4	3	300	2/2	590	35,4	910	1600x490x1120	170
5202211	MC-AE2-500	4	3	500	2/2	590	35,4	910	1930x540x1190	220
5212191	MC-AF2-300	5,5	4	300	2/2	780	46,8	1085	1600x490x1120	178
5212211	MC-AF2-500	5,5	4	500	2/2	780	46,8	1085	1930x540x1190	228
5222211	MC-AG2-500	7,5	5,5	500	2/2	1010	60,6	795	1930x540x1300	277
5222215	MC-AG2-500/A*	7,5	5,5	500	2/2	1010	60,6	795	1930x610x1300	285
5232211	MC-AH2-500	10	7,5	500	2/2	1400	84	1125	1930x540x1300	286
5232215	MC-AH2-500/A*	10	7,5	500	2/2	1400	84	1125	1930x610x1300	294
5252257	MC-AI2-1000/A*	15	11	1000	4/2	2020	121,2	840	2150x820x1650	527
5262257	MC-AJ2-1000/A*	20	15	1000	4/2	2770	166,2	1125	2150x820x1650	542

Three-phase compressors ordered at 230V will incur a 5% price increase.

*A: star delta start (Y-Δ)

THREE PHASE 15 BAR - VERTICAL TANK

Code	Model	HP	Kw	Lts	Cil./Et.	l/m	m³/h	r.p.m.	mm	Kg
5192281	MC-VAD2-150	3	2,2	150	2/2	400	24	1135	770x770x1200	140
5212241	MC-VAF2-300	5,5	4	270	2/2	780	46,8	1085	820x600x1840	178

Three-phase compressors ordered at 230V will incur a 5% price increase.

Compressors whose maximum working pressure is 10 bar, are preset with a minimum standard pressure of 7 bar and maximum of 9 bar.

Those whose maximum working pressure is 15 bar are preset from 10 to 12 bar.

MOTOR DRIVEN Series

The most complete and efficient solution for those applications where no power supply is available (mobile workshops, agricultural activities, etc.).

In addition, some models are ideal for moving on any type of terrain thanks to their pneumatic wheels and the wide axle that separates them.

Availability of special anti-dust filters. (quarries, cement, etc.). Consult price according to model



Models with 10, 14 or 15 bar are the maximum pressure.

Air flow is set according to ISO 1217.



MC-LE-20+20G

Features Mobil Series

- Designed for MOBILE WORKSHOPS.
- HONDA petrol ENGINE.
- Electric start with BATTERY.
- Battery included in all models.
- EXHAUST PIPE 1,5 metre in models 13HP.
- High performance electric GENERATOR (MOBIL EASY model excluded).
- Industrial CLASSIC head DRIVEN to extend its useful life.
- AIR TANK of 50 liters capacity.
- Four QUICK COUPLINGS outputs:
 - 1x Universal quick coupling.
 - 1x Quick coupling (socket 3/8").
 - 1x Regulated and filtered for universal quick coupling.
 - 1x Regulated, filtered and lubricated for quick coupling (socket 3/8").
- Ergonomic DESIGN ideal for vans and mobile workshops.

Idle function optional.

Consult price according to model

Tanks are manufactured according to EU directives

- 2014/29/EU
- 2014/68/EU



SMOKE EVACUATION pipe

Code: 56172301050



MOBIL SERIES

MOBILE WORKSHOPS SPECIAL

HONDA



Code	Model	HP	Model	Vol/kVA	Lts	Cil./Et.	l/m	m³/h	LxWxH mm	Kg
5237054	MOBIL EASY	9	GX270	-	50	2/2	780	46,8	1250x510x935	175
5237057	MOBIL SINGLE	9	GX270	230M/2	50	2/2	780	46,8	1250x510x980	220
5257054	MOBIL J-AIR -SH-	13	GX390	230M/400T/7	50	2/2	780	46,8	1250x510x980	225
5257054SP	MOBIL J-AIR -SH- 6kVA	13	GX390	230M/6	50	2/2	780	46,8	1250x510x980	225
5257059	MOBIL KRATOS G	16	GX630	230M/400T/10	50	2/2	1400	84	1420x800x1200	395

Compressors, whose maximum working pressure is 14 bar, are preset with a minimum standard pressure of 10 bar and maximum of 12 bar.

Compressors set to operate at altitudes below 1000 metres above sea level. In case your equipment is going to work at a higher altitude, please inform Compresores Josval, S.L.

J-AIR Features

- Maximum air displacement: 780 litres/min.
- Maximum pressure: 14 bar.
- Cast iron cylinder that extends its useful life and its performance.
- Valve plate with multiples steps of air provide a greater flow.
- Fan pulley of injected aluminum with Double Wind Geometry- NACA profile that provides a 28% increase in head cooling.
- HONDA GX 390 engine.
- AEB, Electric start with battery (included).
- Tray mounted on chassis with supports which improve its stability and reduce the vibrations.
- Pilot valve for continuous operation.
- Industrial CLASSIC head DRIVEN to exten its utile life.
- 7kVA three phase generator with 2kVA single phase included. Model J-AIR -SH-.
- 6kVA single-phase generator. Model J-AIR -SH- 6kVA.



MOBIL J-AIR -SH-



Air flow is set according to ISO 1217.

MOBIL KRATOS G Features

- Maximum air displacement: 1400 liters/min.
- Maximum pressure: 14 bar.
- Cast iron cylinder for extended life and performance.
- Reed valve plate with multiple air passages for increased air flow.
- Die-cast aluminum pulley with Double Wind Geometry NACA profile provides 28% more head cooling.
- HONDA GX 630 engine.
- AEB, battery electric start (battery included).
- Chassis-mounted tray on rubber blocks, greater stability and less vibration.
- Pilot valve for continuous operation.

MOBIL KRATOS G.



MOTOR DRIVEN Features

- Petrol or diesel ENGINES.
- Spring-mounted SHOCK ABSORBERS (models of 9 and 10 HP), greater stability and less vibrations.
- Pneumatic WHEELS to fit any type of terrain (models up to 100L).
- Easy transport and handling (models up to 100L).
- Competitive and high-performance versions available.
- Industrial CLASSIC head DRIVEN to extend its useful life (models of 9 and 10 HP).

Idle function optional.

Consult price according to model

Availability of special anti-dust filters

(quarries, cement, etc.). Consult price according to model



10 BAR

HONDA



Code	Model	HP	Model	Lts	Cil./Et.	l/m	m³/h	r.p.m.	LxW H mm	Kg
5207021	MC-LE-25G	4	GX 120	25	2/1	310	18,6	920	830x610x610	76
5207552	MC-LE-20+20G	4	GX 120	20+20	2/1	310	18,6	920	1000x700x710	66
5207051	MC-LE-50G	4	GX 120	50	2/1	310	18,6	920	1000x670x670	84

15 BAR

HONDA



Code	Model	HP	Model	Lts	Cil./Et.	l/m	m³/h	r.p.m.	LxW H mm	Kg
5217024	MC-AF2-25G	5,5	GX 160	25	2/2	400	24	1135	830x610x660	80
5217054	MC-AF2-50G	5,5	GX 160	50	2/2	400	24	1135	1000x670x720	88
5237077	MC-AH2-100G/AEB*	9	GX 270 SX	100	2/2	780	46,8	1085	1200x600x1000	186
5237197	MC-AH2-300G/AEB*	9	GX 270 SX	300	2/2	780	46,8	1085	1650x500x1100	191

*AEB: electric start by battery included with the compressor.



DIESEL

15 BAR

LOMBARDINI
A KOHLER COMPANY



Code	Model	HP	Model	Lts	Cil./Et.	l/m	m³/h	r.p.m.	LxW H mm	Kg
5227077	MC-AG2-100D/AEB*	10	15 LD 440	100	2/2	780	46,8	1085	1200x600x1000	195
5227197	MC-AG2-300D/AEB*	10	15 LD 440	300	2/2	780	46,8	1085	1650x500x1100	235

*AEB: electric start by battery included with the compressor.

Compressors, whose maximum working pressure is 10 bar, are preset with a minimum standard pressure of 7 bar and maximum of 9 bar.
Compressors, whose maximum working pressure is 15 bar, are preset with a minimum standard pressure of 10 bar and maximum of 12 bar.
Compressors set to operate at altitudes below 1000 metres above sea level. In case your equipment is going to work at a higher altitude, please inform Compresores Josval, S.L.

BASE PLATES

BASE PLATES are an effective and competitively-priced solution for those companies that cannot stop their activities and need a second compressor of support in times of need, such as in the case of failure or maintenance of the main compressor.



Special anti-dust filters available
(quarries, cement works, etc.).
Consult price according to model

Air flow is set according to ISO 1217.

Features

- Cast iron CYLINDER of superior strength that prolongs its life and its performance.
- Oversized FINS for best cooling.
- Ductile CRANKSHAFT casting with double support for greater stability and dynamic balance.
- VALVE PLATE of stainless steel reeds, with increased resistance to the temperatures and corrosion while providing a greater flow rate.
- CONNECTING RODS in one piece, mounted on needle bearings to ensure lower friction, higher performance and less vibrations.
- Oversized CRANKCASE for better thermal evacuation.
- Fan pulleys of injected aluminum with Double Wind Geometry- NACA profile that provide a 28% increase in head cooling.
- ELECTRIC MOTOR for low power consumption, high efficiency IE3 and service S1.
- Thermal overload PRESSURE SWITCH (only three phase models with direct drive system)
- PLUG & PLAY, simple installation, plug in and operate (PIPE PRESSURE MONITORING incorporated).



High temperature hoses available.

Code	Length (mm)	Connection (BSP)
759 005 61	1500	1/2"
759 005 91	1500	1"

BASE PLATES



Code	Model	HP	Kw	Ph	l/m	m³/h	bar	BSP	r.p.m.	LxWxH mm	Kg
5084000	CENTRAL-2M	2	1,5	1	310	18,6	10	1/2"	920	620x340x400	35
5184001	CENTRAL-2	2	1,5	3	310	18,6	10	1/2"	920	620x340x400	35
5095001	CENTRAL-3M	3	2,2	1	400	24	10	1/2"	1135	620x400x410	45
5195001	CENTRAL-3	3	2,2	3	400	24	10/15	1/2"	1135	620x400x410	45
5205001	CENTRAL-4	4	3	3	590	35,4	10/15	1/2"	910	820x480x550	77
5215001	CENTRAL-5,5	5,5	4	3	780	46,8	10/15	1/2"	1085	820x480x550	80
5225001	CENTRAL-7,5	7,5	5,5	3	1010	60,6	10/15	1/2"	795	1020x570x740	142
5225005	CENTRAL-7,5/A*	7,5	5,5	3	1010	60,6	10/15	1/2"	795	1020x640x740	150
5235001	CENTRAL-10	10	7,5	3	1400	84	10/15	1/2"	1125	1020x570x740	150
5235005	CENTRAL-10/A*	10	7,5	3	1400	84	10/15	1/2"	1125	1020x640x740	158
5255005	CENTRAL-15/A*	15	11	3	2020	121,2	10/15	1"	840	1110x740x780	220
5265005	CENTRAL-20/A*	20	15	3	2770	166,2	10/15	1"	1125	1110x740x780	231

Three-phase compressors ordered at 230V will incur a 5% price increase.

*A: star delta start (Y-Δ)

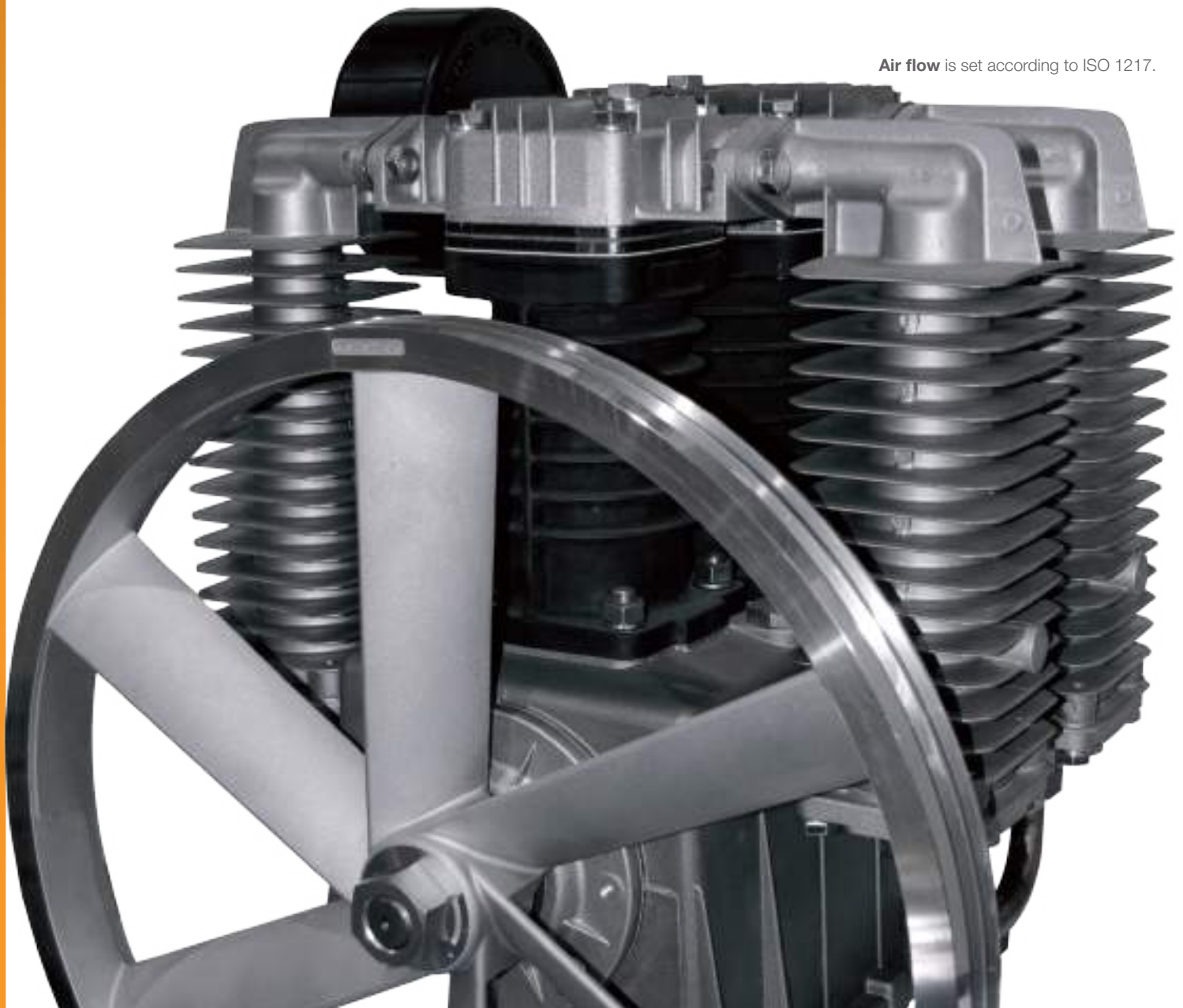
All the base-plates leave the factory regulated to a standard pressure of 7 bar minimum and 9 bar maximum. The 2-stage base-plates that indicate 10/15 bar incorporate a pressure switch and safety valve to reach the maximum pressure and must be regulated at the customer's installation in the event of requiring pressures higher than the factory standard.

HEADS

Features

- Cast iron CYLINDER of superior strength that prolongs its life and its performance.
- Oversized FINS for best cooling.
- Ductile CRANKSHAFT casting with double support for greater stability and dynamic balance.
- VALVE PLATE of stainless steel reeds, with increased resistance to the temperatures and corrosion while providing a greater flow rate.
- Fan pulleys of injected aluminum with Double Wind Geometry- NACA profile that provide a 28% increase in head cooling.
- CONNECTING RODS in **one piece**, mounted on needle bearings to ensure lower friction, higher performance and less vibrations.
- Die-cast aluminum CRANKCASE for better thermal evacuation.

Air flow is set according to ISO 1217.





HEADS

Code	Model	HP	Kw	Cil./Et.	l/m	m³/h	aceite (l)	bar	r.p.m.	LxWxH mm	Kg
5601173	BCL-55/60	2	1,5	2/1	310	18,6	0,7	10	920 *	300x210x330	14
5602193	CL2E/2-3	3	2,2	2/2	400	24	0,7	15	1135 *	300x290x350	19
5602202	CL2E/4-5,5	4	3	2/2	590	35,4	0,9	15	910 *	300x300x350	30
		5,5	4	2/2	780	46,8			1085 *		
5602209	CL2E/4-5,5P	4	3	2/2	590	35,4	0,9	15	910 *	300x300x350	30
		5,5	4	2/2	780	46,8			1085 *		
5602282	CL2E/7,5-10	7,5	5,5	2/2	1010	60,6	2,25	15	795 *	350x370x440	54
		10	7,5	2/2	1400	84			1125 *		
5602285	CL2E/7,5-10P	7,5	5,5	2/2	1010	60,6	2,25	15	795 *	350x370x440	54
		10	7,5	2/2	1400	84			1125 *		
5602307	CL2E/15-20P	15	11	4/2	2020	121,2	4,5	15	840 *	520x670x540	86
		20	15	4/2	2770	166,2			1125 *		

In case if needing a head for a soundproof compressor, please indicate when placing an order.
The heads include a corresponding pulley.

*Recommended r.p.m.

PULLEYS

Code	Model	Ø mm
56011722070	Head pulley BCL-55/60; CL2E/2-3	268,05
56022002070	Head pulley CL2E/4-5,5	477,35
56023072070	Head pulley CL2E/7,5-20	595,80



RECOMMENDED OILS



ENERGY+ OIL SERIES (piston)

Oil manufactured from selected base stocks of extraordinary quality, to which the necessary additives are incorporated to increase resistance to oxidation, as well as to ensure good anti-wear properties and protection against corrosion.

Availability: 2 litres jug and 208 litres drum.



ACEITE SERIE FORTE ADVANCED (pistón)

Manufactured from the highest quality mineral bases and a series of high performance additives to provide exceptional protection and reliability to the equipment. They guarantee excellent protection against wear. The use of the Forte ADVANCED series is recommended for particularly demanding environments and/or jobs. Format: 1 liter jug.



SOUNDPROOFED PISTON Compressors



Compresores JOSVAL differs from other manufacturers by offering the widest range of soundproofed piston compressors in the WORLD, finding solutions where other companies fail to do so, making our compressors suitable for high-performance work in 20 HP.

Our specialty reliable, aesthetically appealing, efficient compressors, are free of complications and are very inexpensive to maintain, while producing the air required for offices, workshops, and small and medium industries who need soundproof, affordable solutions.



SAUBER / SAUBER SILENCE series

BRISA / BRISA PLUS series

4UATTRO series

MONCAYO series

SAUBER & SAUBER SILENCE Series



SAUBER CLINIC BASIC-1



Oil-free compressors, designed to withstand high rhythms of work, have very low maintenance costs.

These are aimed at small businesses that require very clean air. For dental markets, the model also incorporates an adsorption dryer.

SAUBER series features

- SILENT and SOUNDPROOFED compressor.
- WITHOUT OIL - CLEAN and DRY air. Economic maintenance.
- Ceramic coated HEAD, great production, reliable, compact and robust.
- Electric MOTOR for low power consumption and high performance. S1 service (except SAUBER CLINIC and TECHNICAL).
- Stainless steel AIR TANK (SAUBER SUPREME, SAUBER FIVE and SAUBER FIVE TRI models).
- AIR TANK treated and painted sanitary white (depending on versions).
- HOURMETER (SAUBER FIVE TRI and SUPREME models).
- FILTRATION SET with built-in 0,01 micron automatic drain on SAUBER SUPREME, SAUBER FIVE and SAUBER 240D models.
- Adsorption DRYER of high efficiency, which absorbs moisture and ensures DRY air. (except on SERIE SAUBER SILENCE MINI). Adsorption dryer for SAUBER CLINIC ONE model and membrane dryer for SAUBER SUPREME, SAUBER FIVE and SAUBER 240D.

Air flow is set according to ISO 1217.

Noise level as CAGI PNEUROP-measured in the open air, at a distance of 1 meter



SAUBER FIVE TRI



SAUBER PORTABLE



SAUBER TECHNICAL

SOUNDPROOFED PISTON COMPRESSORS , 21



SAUBER SUPREME



SAUBER CLINIC ONE

SAUBER SILENCE MINI SERIES



Code	Model	HP	Kw	Ph	Bar	Lts	Cil./Et.	l/m	m³/h	r.p.m.	dB (A)	LxWxH mm	Kg
5061010	SAUBER TECHNAL	1	0,75	1	8	5	1/1	60	3,6	2800	62	420x190x390	11
5068121	SAUBER CLINIC BASIC-1	1,4	1	1	10	24	1/1	120	7,2	1400	62	430x440x710	30
5088158	SAUBER PORTABLE	2,5	1,8	1	10	50	2/1	330	19,8	1400	64	477x548x1030	41

SAUBER SILENCE PLUS SERIES



Code	Model	HP	Kw	Ph	Sillas	Lts	Cil./Et.	l/m	m³/h	r.p.m.	dB (A)	LxWxH mm	Kg
5068127	SAUBER CLINIC ONE	1	0,75	1	1	24	1/1	120	7,2	1400	62	510x400x710	35
5088157	SAUBER SUPREME	2,5	1,8	1	2+1	40	2/1	240	14,4	1400	64	670x415x625	43
5208077	SAUBER FIVE	3,8	2,8	1	5/6	90	4/1	480	28,8	1400	74	990x490x720	87
5208177	SAUBER FIVE TRI	4,2	3,2	3	5/6	90	4/1	480	28,8	1400	74	990x490x720	87

SAUBER SOUNDPROOFED series

240-D model

- FILTRATION SET with built-in automatic draing (0,01 micron).
- Membrane DRYER.
- Air aftercooler.



SAUBER 240



SAUBER 240-D

Tanks, which are incorporated in these compressors, are manufactured according to EU directives 2014/29/EU and 2014/68/EU.

SAUBER SOUNDPROOFED SERIES



Code	Model	HP	Kw	Ph	Sillas	Lts	Cil./Et.	l/m	m³/h	r.p.m.	dB (A)	LxWxH mm	Kg
5088151	SAUBER 240	2,5	1,8	1	-	50	2/1	240	14,4	1400	56	745x465x970	110
5088155	SAUBER 240-D	2,5	1,8	1	2+1	50	2/1	240	14,4	1400	56	745x465x970	120

Compressors, whose maximum working pressure is 10 bar, are preset with a minimum standard pressure of 6 bar and maximum of 8 bar.

BRISA & BRISA PLUS Series



Soundproofed compressors of easy mounting and installation. Simply plug in and operate. These require low maintenance and are ideal for urban areas where noise can be an inconvenience to neighbors, or in areas where you don't have a specific site for the compressor and noise can be a problem.

- The tanks incorporated in these compressors are manufactured in accordance with European Directives 2014/29/EU and 2014/68/EU.
- In case of a complete compressor installation with air treatment, the equipment would consist of compressor BRISA PLUS, particulate separator filter FEP series and refrigerant dryer EDS series (or REDE with BRISA series).

Special anti-dust filters available
(quarries, cement works, etc.).
Consult price according to model



BRISA 310

Features

- CLASSIC series head.
- Fan pulleys of injected aluminum with Double Wind Geometry- NACA profile that provide a 28% increase in head cooling.
- ELECTRIC MOTOR low power consumption and high performance. Service S1.
- AIR TANK of 90 liters capacity (50 liters models up to 3 HP).
- Economic maintenance.
- PLUG & PLAY, simple installation, plug in and operate.
- Special ANTIVIBRATION rubbers.

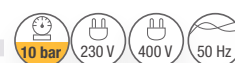
Only on BRISA PLUS SERIES:

- ELECTRIC FAN of thermal evacuation.
- Analogical HOUR COUNTER.
- Direction of rotation RELAY.
- Condensate DRAINER.
- REAR COOLER.
- Maintenance LED (4 and 5.5 HP models).
- Lack of oil indicator (4 and 5.5 HP models).

Air flow is set according to ISO 1217.

Noise level as CAGI PNEUROP- measured in the open air, at a distance of 1 meter.

BRISA SERIES



Code	Model	HP	Kw	Ph	Lts	Cil./Et.	l/m	m³/h	r.p.m.	dB (A)	LxWxH mm	Kg
5088141	BRISA 310M	2	1,5	1	50	2/1	310	18,6	900	61	740x465x970	112
5188143	BRISA 310	2	1,5	3	50	2/1	310	18,6	1050	61	740x465x970	112
5098141	BRISA 400M	3	2,2	1	50	2/2	400	24	900	65	740x465x970	127
5198143	BRISA 400	3	2,2	3	50	2/2	400	24	1050	65	740x465x970	127

Three-phase compressors ordered at 230V will incur a 5% price increase.



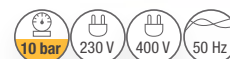
BRISA 310



BRISA 310 PLUS



BRISA PLUS SERIES 10 BAR



Code	Model	HP	Kw	Ph	Lts	Cil./Et.	l/m	m³/h	r.p.m.	dB (A)	LxWxH mm	Kg
5088144	BRISA 310M PLUS	2	1,5	1	50	2/1	310	18,6	920	61	740x465x970	112
5188145	BRISA 310 PLUS	2	1,5	3	50	2/1	310	18,6	920	61	740x465x970	112
5198145	BRISA 400 PLUS	3	2,2	3	50	2/2	400	24	1135	65	740x465x970	127
5098144	BRISA 400M PLUS	3	2,2	3	50	2/2	400	24	1135	65	740x465x970	127

Three-phase compressors ordered at 230V will incur a 5% price increase.

BRISA PLUS SERIES 15 BAR



Code	Model	HP	Kw	Ph	Lts	Cil./Et.	l/m	m³/h	r.p.m.	dB (A)	LxWxH mm	Kg
5208173	BRISA 590 PLUS	4	3	3	90	2/2	590	35,4	910	64	1020x705x1185	174
5218173	BRISA 780 PLUS	5,5	4	3	90	2/2	780	46,8	1085	64	1020x705x1185	180

Three-phase compressors ordered at 230V will incur a 5% price increase.

Compressors, whose maximum working pressure is 10 bar, are preset with a minimum standard pressure of 6 bar and maximum of 8 bar.

Compressors, whose maximum working pressure is 15 bar, are preset with a minimum standard pressure of 10 bar and maximum of 12 bar.

4UATTRO Series



Taking advantage of a lifetime of the concepts and experience, Compresores JOSVAL offers with the 4UATTRO series a creative and functional solution for those instances when there is a need for a very low noise level and/or a small space. With a range that goes from 3 up to 10 HP, this is the more versatile autonomous station of our catalog.



Features

- Compressor production large, reliable, compact and robust.
- EASY ACCESS. Economic maintenance.
- Electric MOTOR low power consumption and high performance. Service S1
- CONTROL RELAY of direction of rotation.
- Double thermal heater FAN of evacuation (triple fan models in 7,5-10 HP series).
- ALARM INDICATOR light for control of direction of rotation and dysfunction of fans.
- Thermostatic SENSOR for the fan control.
- Analog HOURMETER of work.
- LINE PIPING connections of PTFE.
- SOFT STARTER (models 7,5-10 HP series).
- PIPE PRESSURE MONITORING (without tank models).
- Three versions available: without tank, with tank, and with tank and dryer.

Air flow is set according to ISO 1217.

Noise level as CAGI PNEUROP-
measured in the open air, at a distance of
1 meter.



Pipe Pressure Monitoring
Easy connection to air net

Special anti-dust filters available

(quarries, cement works, etc.).
Consult price according to model



Tanks are manufactured according
to EU directives 2014/29/EU and
2014/68/EU

4UATTRO 5,5/500 -EDS-



RECOMENDATION

BY-PASS KIT includes **EDS dryer By-Pass + pre-filter + timing electronic drain + shut-off valve shall + appropriated connection set.**

Code	Model
9110050	Kit by-pass



4UATTRO 3/150



4UATTRO 5,5/270

4UATTRO SERIES

10 BAR



Code	Model	HP	Kw	Ph	Lts	Cil./Et.	l/m	m³/h	r.p.m.	dB (A)	BSP (In-Out)	mm	Kg
5098040	4UATTRO 3M	3	2,2	1	-	2/2	400	24	1135	65	1/2"	655x530x660	83
5098281	4UATTRO 3M/150	3	2,2	1	150	2/2	400	24	1135	65	1/2"	950x530x1210	125
5198041	4UATTRO 3	3	2,2	3	-	2/2	400	24	1135	65	1/2"	655x530x660	83
5198281	4UATTRO 3/150	3	2,2	3	150	2/2	400	24	1135	65	1/2"	950x530x1210	125
5218041	4UATTRO 5,5	5,5	4	3	-	2/2	780	46,8	1085	67	1/2"	855x653x730	160
5218241	4UATTRO 5,5/270	5,5	4	3	270	2/2	780	46,8	1085	67	1/2"	1170x653x1370	240
5228047	4UATTRO 7,5 -AS-*	7,5	5,5	3	-	2/2	1010	60,6	795	69	1/2"	885x700x900	191
5228217	4UATTRO 7,5/500 -AS-*	7,5	5,5	3	500	2/2	1010	60,6	795	69	1/2"	1930x700x1480	431
5238047	4UATTRO 10 -AS-*	10	7,5	3	-	2/2	1400	84	1125	70	1/2"	885x700x900	200
5238217	4UATTRO 10/500 -AS-*	10	7,5	3	500	2/2	1400	84	1125	70	1/2"	1930x700x1480	440

Three-phase compressors ordered at 230V will incur a 5% price increase.

*AS: soft starter

4UATTRO SERIES

15 BAR



Code	Model	HP	Kw	Ph	Lts	Cil./Et.	l/m	m³/h	r.p.m.	dB (A)	BSP (In-Out)	mm	Kg
5218045	4UATTRO 15bar 5,5	5,5	4	3	-	2/2	620	37,2	950	66	1/2"	855x653x730	160
5218245	4UATTRO 15bar 5,5/270	5,5	4	3	270	2/2	620	37,2	950	67	1/2"	1170x653x1370	255
5228045	4UATTRO 15bar 7,5 -AS-*	7,5	5,5	3	-	2/2	850	51	795	68	1/2"	885x700x900	191
5228215	4UATTRO 15bar 7,5/500 -AS-*	7,5	5,5	3	500	2/2	850	51	795	68	1/2"	1930x700x1480	481
5238045	4UATTRO 15bar 10 -AS-*	10	7,5	3	-	2/2	1150	69	990	69	1/2"	885x700x900	200
5238221	4UATTRO 15bar 10/500 -AS-*	10	7,5	3	500	2/2	1150	69	990	69	1/2"	1930x700x1480	490

Three-phase compressors ordered at 230V will incur a 5% price increase.

*AS: soft starter

Compressors, whose maximum working pressure is 10 bar, are preset with a minimum standard pressure of 7 bar and maximum of 9 bar.

Compressors, whose maximum working pressure is 15 bar, are preset with a minimum standard pressure of 10 bar and maximum of 12 bar.

SOUNDPROOFED PISTON COMPRESSORS , 27

4UATTRO 5,5



4UATTRO 10/500 - AS -



4UATTRO 5,5/500 - EDS -

4UATTRO SERIES (WITH DRYER)

10 BAR



Code	Model	HP	Kw	Ph	Lts	Cil./Et.	l/m	m³/h	r.p.m.	dB (A)	BSP (In-Out)	mm	Kg
5098184	4UATTRO 3M/200 -EDS-	3	2,2	1	200	2/2	400	24	1135	65	1/2"	1380x530x1220	162
5198181	4UATTRO 3/200 -EDS-	3	2,2	3	200	2/2	400	24	1135	65	1/2"	1380x530x1220	162
5218219	4UATTRO 5,5/500 -EDS-	5,5	4	3	500	2/2	780	46,8	1085	67	1/2"	1930x653x1370	307
5228219	4UATTRO 7,5/500 -AS*-EDS-	7,5	5,5	3	500	2/2	1010	60,6	795	69	1/2"	1930x700x1480	457
5238219	4UATTRO 10/500 -AS*-EDS-	10	7,5	3	500	2/2	1400	84	1125	70	1/2"	1930x700x1480	466

Three-phase compressors ordered at 230V will incur a 5% price increase.

*AS: arrancador suave

4UATTRO SERIES (WITH DRYER)

15 BAR



Code	Model	HP	Kw	Ph	Lts	Cil./Et.	l/m	m³/h	r.p.m.	dB (A)	BSP (In-Out)	mm	Kg
5218211	4UATTRO 15bar 5,5/500 -EDS-	5,5	4	3	500	2/2	620	37,2	950	66	1/2"	1930x653x1370	357
5228211	4UATTRO 15bar 7,5/500 -AS*-EDS-	7,5	5,5	3	500	2/2	850	51	795	68	1/2"	1930x700x1480	507
5238225	4UATTRO 15bar 10/500 -AS*-EDS-	10	7,5	3	500	2/2	1150	69	990	69	1/2"	1930x700x1480	516

Three-phase compressors ordered at 230V will incur a 5% price increase.

*AS: soft starter

Compressors, whose maximum working pressure is 10 bar, are preset with a minimum standard pressure of 7 bar and maximum of 9 bar.

Compressors, whose maximum working pressure is 15 bar, are preset with a minimum standard pressure of 10 bar and maximum of 12 bar.

MONCAYO

Series

MONCAYO series is designed for the most demanding clients, those who value making a greater investment to obtain the maximum benefit and who are committed to the highest technology in soundproofed piston compressors.

We offer models ranging from 4 up to 20 HP. Without a doubt, they are the most prestigious soundproofed piston compressors with the highest benefits (head of the CLASSIC series, electronic board multifunction control, aftercooler, etc.)



Features

- Compressor of great production, reliable and robust.
- Air pump of the CLASSIC Series.
- AFTERCOOLER.
- Electric MOTOR low power consumption and high performance IE3. Service S1.
- SOFT STARTER.
- ELECTRONIC DISPLAY that controls the following parameters:
 - Maintenance interval warnings.
 - Pressure transducer for more precise control of working pressure.
 - Safety temperature probe.
 - Remote start of the equipment.
 - Oil level probe integrated with the control through the plate (models from 7.5hp to 20 hp).
 - Connection and multicontrol of up to 16 equipments. Rotation time set in minutes.
 - Integration in SCADA, through RS485.
- Easy and quick access SYSTEM OF DOORS.
- INSULATION PANELS with a high degree of soundproofing.
- Electric FAN heat evacuation.
- Emergency STOP BUTTON.



Interior rear view
MONCAYO 1400 -AS-



Control screen



Air flow s set according to ISO 1217.

Noise level as CAGI PNEUROP-measured in the open air, at a distance of 1 meter.

In case of complete installation of a compressor with air treatment, the system would consist of MONCAYO compressor, condensate separator series SCC, air tank, particle separator filter series FEP and refrigerant dryer with by-pass series EDS.



MONCAYO SERIES



Code	Model	HP	Kw	Ph	Cil./Et.	l/m	m³/h	r.p.m.	dB (A)	BSP (In-Out)	LxWxH mm	Kg
5208027	MONCAYO 590 -AS-*	4	3	3	2/2	590	35,4	910	63	1/2"	770x565x1010	185
5218027	MONCAYO 780 -AS-*	5,5	4	3	2/2	780	46,8	1085	63	1/2"	770x565x1010	195
5228027	MONCAYO 1010 -AS-*	7,5	5,5	3	2/2	1010	60,6	795	64	1/2"	830x690x1150	235
5238027	MONCAYO 1400 -AS-*	10	7,5	3	2/2	1400	84	1125	64	1/2"	830x690x1150	245
5258027	MONCAYO 2020 -AS-*	15	11	3	2/2	2020	121,2	840	65	1"	1160x815x1190	450
5268027	MONCAYO 2770 -AS-*	20	15	3	2/2	2770	166,2	1125	65	1"	1160x815x1190	460

Three-phase compressors ordered at 230V will incur a 5% price increase.

*AS: soft starter

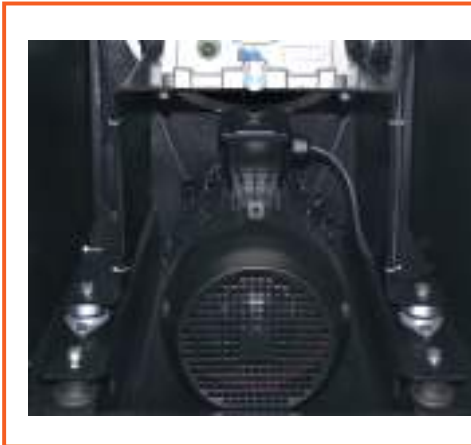
SOFT STARTER - AS

System startup by soft-start of the electric motor, provides considerable savings on your electricity consumption by eliminating the peaks of intensity produced in the boot, and in turn, extends the life of the transmission elements of the compressor.



Special anti-dust filters available

(quarries, cement works, etc.). Consult price according to model



Interior view, head and IE3 engine detail.
MONCAYO 1400 -AS-



MONCAYO SET



5206193	MONCAYO 590 -AS- + Separator SCC-1000 + Vertical tank 270 litres 11 bar + Filter FEP-1200 + Dryer EDS2-900
5216193	MONCAYO 780 -AS- + Separator SCC-1000 + Vertical tank 270 litres 11 bar + Filter FEP-1200 + Dryer EDS2-900
5226213	MONCAYO 1010 -AS- + Separator SCC-1000 + Vertical tank 500 litres 11 bar + Filter FEP-1800 + Dryer EDS2-1800
5236213	MONCAYO 1400 -AS- + Separator SCC-3000 + Vertical tank 500 litres 11 bar + Filter FEP-1800 + Dryer EDS2-1800
5256253	MONCAYO 2020 -AS- + Separator SCC-3000 + Vertical tank 1.000 litres 11 bar + Filter FEP-3000 + Dryer EDS2-2400
5266253	MONCAYO 2770 -AS- + Separator SCC-3000 + Vertical tank 1.000 litres 11 bar + Filter FEP-3000 + Dryer EDS2-3000

Three-phase compressors ordered at 230V will incur a 5% price increase.
By-pass and connection hoses included.
The EQUIPMENTS requested for 15 bar require changes in tanks and other components.
Compressors, whose maximum working pressure is 10 bar, are preset with a minimum standard pressure of 7 bar and maximum of 9 bar.

SCROLL

Compressors



It is increasingly common to find laboratories, clean rooms, industrial departments where the total absence of oil is required.

For this reason we developed our new SAUBER SCR series, based on oil free scroll technology, ensuring a continuous supply of oil free air, which guarantees a longer life of the equipment, with a reduced maintenance cost.



SAUBER SCR CENTRAL Series

SAUBER SCR PORTABLE Series

SAUBER SCR SILENCE Series

SAUBER SCR CENTRAL

Series

Compact, oil-free compressor in a base-mounted version for locations where a back-up compressor is required for connection to the existing system.



Features

- Model HBSCR 3,7
- Maximum air displacement at 410 litros/minutos
- Maximum pressure 10 bar
- 2.880 estimated r.p.m.
- Electric motor three phase
- 4 Kw = 5,5 HP estimated power
- 400 V / 50 Hz voltage/frequency



Special anti-vibration rubber plugs

V-belt drive ensuring greater reliability and stability

High quality thermal pressure switch; incorporates thermal motor protection.



Pressure control tank for direct connection to air circuit

Electro welded belt guard

SAUBER SCR CENTRAL



Code	Model	HP	Kw	l/m	m³/h	bar	dB (A)	LxWxH mm	Kg
5214001	SAUBER SCR CENTRAL	5,5	4	410	24,6	10	68	800x600x1000	98

Compressors, whose maximum working pressure is 10 bar, are preset with a minimum standard pressure of 8 bar and maximum of 10 bar. Contact for other pressures and voltages.

SAUBER SCR PORTABLE Series

Portable, self-contained compressor for laboratories where air is required at several points and no suitable pneumatic installation is available. Also available with aftercooler and membrane dryer to ensure clean, dry and free air supply.



SAUBER SCR 5,5 -200 PORTABLE

SAUBER SCR 5,5- 200 PORTABLE -SM-

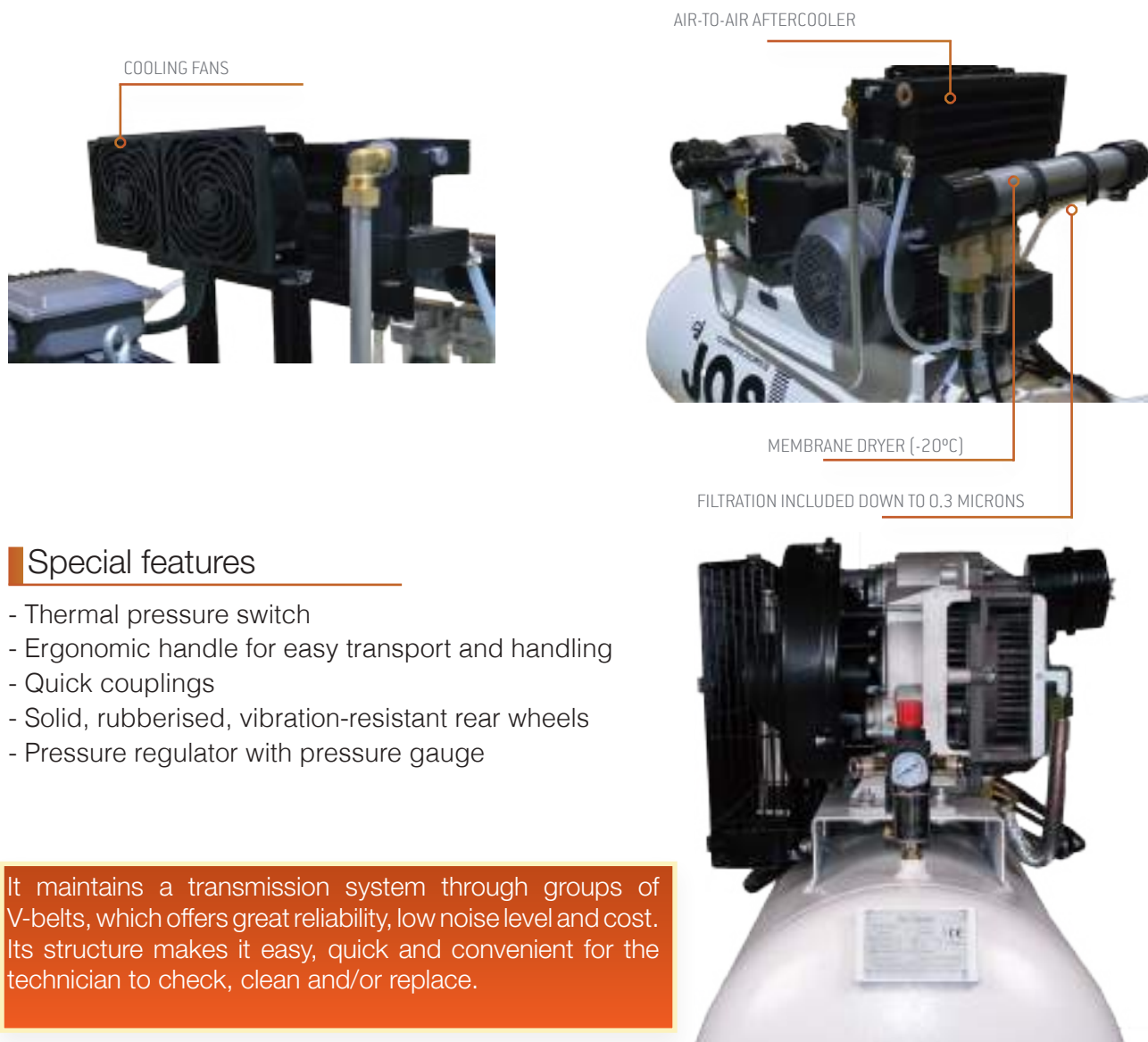


Features

- Reliable and durable oil-free spiral scroll technology.
- Increased process effectiveness: maximum efficiency.
- Very quiet with minimum impact on the environment.
- Safe and comfortable installation for workers.
- Reduced maintenance costs and energy savings.
- Quick and easy accessibility.
- Respect for the environment in industrial processes.

AIR TREATMENT

Exclusively on model SAUBER SCR SM PORTABLE



Special features

- Thermal pressure switch
- Ergonomic handle for easy transport and handling
- Quick couplings
- Solid, rubberised, vibration-resistant rear wheels
- Pressure regulator with pressure gauge

It maintains a transmission system through groups of V-belts, which offers great reliability, low noise level and cost. Its structure makes it easy, quick and convenient for the technician to check, clean and/or replace.

SAUBER SCR



Code	Model	HP	Kw	Lts	l/m	m³/h	bar	dB (A)	BSP	LxWxH mm	Kg
5210528	SAUBER SCR 5,5 200 PORTABLE	5,5	4	185	410	24,6	10	68	3/4"	1710x620x1300	160
5210528SM	SAUBER SCR 5,5-200 PORTABLE -SM-	5,5	4	185	410	24,6	10	68	3/4"	1710x620x1300	160

Compressors, whose maximum working pressure is 10 bar, are preset with a minimum standard pressure of 8 bar and maximum of 10 bar. Ask for other pressures and voltages.

SAUBER SCR SILENCE Series



Oil-free compressors, extremely quiet, compact in size and suitable for continuous operation are the requirements that the new SAUBER SCR series has in its DNA. Oriented to all those industries that require a compressed air quality with total absence of oil such as laboratories, dairy, pharmaceutical, printing, etc...

Equipped with touch screen control, incorporating our multicontrol technology allows to connect and manage up to 16 units at the same time. Communications, remote control, time control, all within reach.

SAUBER SCR 5,5 -EDS-



Features

- Increases process effectiveness: maximum efficiency.
- Reliable and durable oil-free spiral scroll technology.
- Quality certificate (ISO 8573.1) Class 0. Specific for production processes where the compressed air is oil-free.
- Optimal multi-control function thanks to its electronic touch panel.
- Very quiet with minimum impact on the environment.
- Safe and comfortable installation for workers.
- Reduced maintenance costs and energy savings.
- Quick and easy accessibility.
- Complete equipment with models with tank and dryer.
- Respect for the environment in industrial processes.

RECOMMENDED

KIT BY-PASS incluye **By-Pass secador EDS + pre filtro de red + purgador electrónico temporizado + llave de paso + juego de racores para su correcto montaje.**

Code	Model
9110050	Kit by-pass



SCROLL TECHNOLOGY

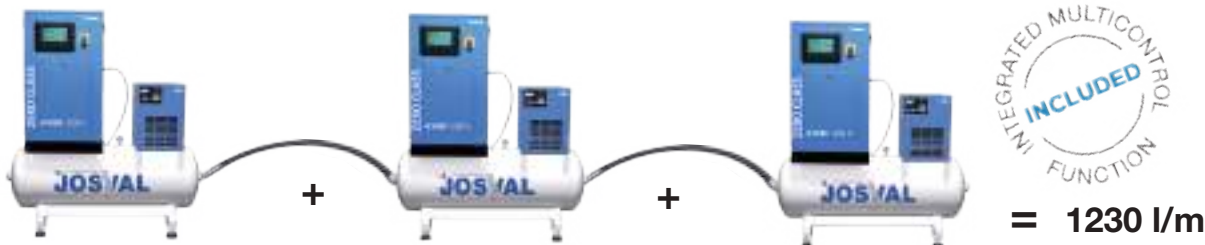
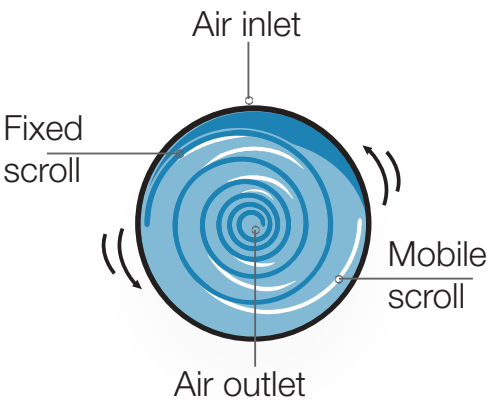
Two non-contacting metal-to-metal spirals between them.

Sucks in air and compresses it in 3 successive steps, expelling it at a pressure between 8 and 10 bar.

Oil-free compression chamber provides high quality air.

Air aftercooler for greater efficiency and durability.

This simple process runs smoothly and contact-free providing long life and durability for all components



SAUBER SCR

Code	Model	HP	Kw	Lts	l/m	m³/h	bar	dB (A)	LxWxH mm	Kg
5210501	SAUBER SCR 5,5 A	5,5	4	-	410	24,6	8	63	600x600x1000	145
5210502	SAUBER SCR 5,5 B				360	21,6	10			
5210511	SAUBER SCR 5,5-150 A	5,5	4	150	410	24,6	8	63	950x600x1420	187
5210512	SAUBER SCR 5,5-150 B				360	21,6	10			
5210521	SAUBER SCR 5,5-200 A -EDS-	5,5	4	200	410	24,6	8	63	1600x800x1590	225
5210522	SAUBER SCR 5,5-200 B -EDS-				360	21,6	10			

Compressors, whose maximum working pressure is 10 bar, are preset with a minimum standard pressure of 8 bar and maximum of 10 bar. Ask for other pressures and voltages.

SCREW

Compressors



With over 35 years of experience manufacturing our soundproof rotary compressors, if anything defines the new generation of JOSVAL's screw compressors, it is robustness and reliability. Without a doubt it is the best investment for those businesses or companies that require a continuous air flow.

They offer a higher performance with respect to piston compressors, are quieter, more durable and are inexpensive to maintain.

MOBIL SCR series

IBERUS series

GRAFENO EUPHORIA^{PM} series

GRAFENO QUARTZ series

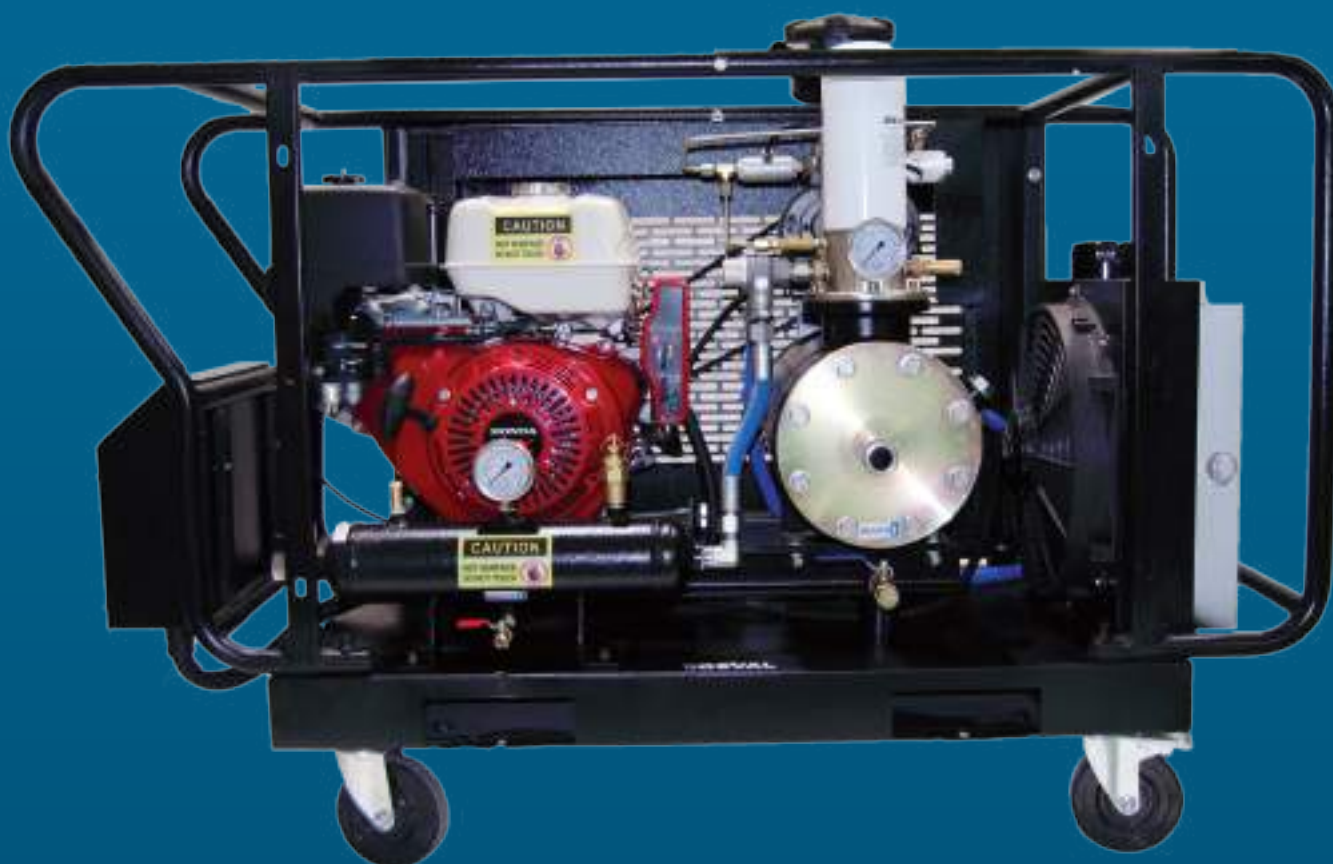
GRAFENO VBRIK^{PM} series



MOBIL SCR

Series

Mobile screw compressor for spraying applications, ship cleaning, etc. Fully autonomous, equipped with a Honda engine and with an output of up to 1010 litres/minute. Two models available depending on maximum pressure: 10 and 13 bar.



Transmission

The V-belt drive system offers high reliability, low noise level and low cost.

The accessibility for testing, cleaning or replacement makes any operation on it quick and easy for the technician.



Features

- Smoke outlet kit
- Wheel with braking system
- Electronic temperature control
- Automatic valve
- Ergonomic handle for easy transport and handling
- 2,5 litre capacity tank
- Electric starter by battery (included)

Petrol engine, 13 HP

4-stroke, overhead valve (OHV), air-cooled, horizontally opposed crankshaft and cylinder tilt 25°



MOBIL SCR SERIES



Code	Model	HP	Model	l/m	m³/h	bar	dB (A)	LxW x H mm	Kg
5257061	MOBIL SCR B	13	GX 390	1010	60,1	10	63	1700x620x1300	220
5257062	MOBIL SCR C			772	46,2	13			

IBERUS

Series

With a power range from 7.5 to 60 HP, the IBERUS series screw compressors are the evolution of our proven MISTRAL range, maintaining its internal structure and high quality, renewing the external aesthetics, and improving its performance and connectivity with Industry 4.0 solutions.



IBERIA
*are***US**

IBERUS series rotary compressors incorporate a single-stage rotor block with asymmetrical screws mounted on bearings. They are driven by a three-phase asynchronous electric motor with IP 55/F-B protection, through V-belts. This transmission system offers high reliability and low noise level.



Features

- High production, reliable, compact and robust compressor.
- Easy and quick access. Economical maintenance.
- BELT DRIVE system.
- Low consumption electric motor, high efficiency IE3 and S1 service.
- Soft starter.
- Variable speed drive (optional).
- Control board incorporating:
 - + Rotor rotation direction control.
 - + Temperature measurement and control.
 - + Possibility of remote or local control.
 - + Language selection (Spanish/English).
 - + Multicontrol function (up to 16 compressors).
 - + Protection system against blocking, phase failure, short circuits, unbalance and overload of the electric motor.
 - + Control menu: start, stop and operation of the motor.
 - + Time programming (calendar).
 - + Pressure programming.
 - + SCADA integration.



Air flow is set according to ISO 1217.

Noise level as CAGI PNEUROP- measured in the open air, at a distance of 1 meter.

The entire IBERUS range is equipped with special anti-dust filters. (quarries, cement works, etc.).

Consult price according to model



SOFT STARTER - AS

Soft start system of the electric motor, providing considerable savings in power consumption by eliminating the current peaks produced at start-up, and at the same time, prolonging the useful life of the compressor's transmission elements.



FEATURES:

- Integrated motor protections (phase sequence, phase failure, motor overload, etc.).
- Enabling code, allows the equipment to be locked for tampering.
- Local or remote monitoring (power reading, intensity, etc.).
- Data logging (operation history, alarms, etc.).

BENEFITS:

- Provides low mechanical stress without sudden starts and stops.
- Reduced electricity consumption rate.

IBERUS SERIES

SOFT STARTER



Code	Model	HP	Kw	l/m	m³/h	bar	dB (A)	BSP	LxWxH mm	Kg
5220154	IBERUS 7,5-A -AS-			903	54,2	8				
5220155	IBERUS 7,5-B -AS-	7,5	5,5	751	45	10	63	½"	800x800x1150	282
5220156	IBERUS 7,5-C -AS-			646	38,8	13				
5230154	IBERUS 10-A -AS-			1273	76,4	8				
5230155	IBERUS 10-B -AS-	10	7,5	1093	65,6	10	65	½"	800x800x1150	290
5230156	IBERUS 10-C -AS-			893	53,6	13				
5250154	IBERUS 15-A -AS-			1720	103,2	8				
5250155	IBERUS 15-B -AS-	15	11	1482	88,9	10	68	½"	800x800x1150	302
5250156	IBERUS 15-C -AS-			1259	75,5	13				
5260154	IBERUS 20-A -AS-			2699	161,9	8				
5260155	IBERUS 20-B -AS-	20	15	2494	149,6	10	70	¾"	800x1100x1520	488
5260156	IBERUS 20-C -AS-			2032	121,9	13				
5270154	IBERUS 25-A -AS-			3376	202,5	8				
5270155	IBERUS 25-B -AS-	25	19	3150	189	10	72	¾"	800x1100x1520	503
5270156	IBERUS 25-C -AS-			2625	157,5	13				
5300154	IBERUS 30-A -AS-			3938	236,3	8				
5300155	IBERUS 30-B -AS-	30	22	3743	224,6	10	73	1"	800x1100x1520	534
5300156	IBERUS 30-C -AS-			3024	181,4	13				
5310154	IBERUS 40-A -AS-			5030	301,8	8				
5310155	IBERUS 40-B -AS-	40	30	4166	249,9	10	74	1"	1100x1300x1557	681
5310156	IBERUS 40-C -AS-			3658	219,5	13				
5320154	IBERUS 50-A -AS-			6109	366,5	8				
5320155	IBERUS 50-B -AS-	50	37	5330	319,8	10	75	1"	1100x1300x1557	671
5320156	IBERUS 50-C -AS-			4513	270,8	13				
5330154	IBERUS 60-A -AS-			7875	472,5	8				
5330155	IBERUS 60-B -AS-	60	45	7145	428,7	10	77	1 ½"	1100x1300x1557	764
5330156	IBERUS 60-C -AS-			6458	324,5	13				

Three-phase compressors ordered at 230V will incur a 5% price increase.

JOSVAL PLUS WARRANTY - JPG

Reliability and confidence with Extended Warranty programs

From Compresores JOSVAL, aware of the quality and reliability of our quality and reliability of our equipment, we offer you the JOSVAL PLUS at your disposal the JOSVAL PLUS GUARANTEE.

15 years warranty on the IBERUS, GRAFENO EUPHORIA^{PM}, GRAFENO QUARTZ, and GRAFENO VBRIK^{PM} ranges of industrial screw compressors.



No additional cost



No limit hours



1 st two years all included*



FIVE YEARS:



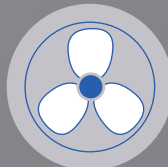
Motor



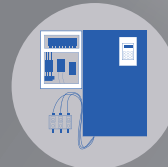
Oil separator tank



Radiator



Fan motor



Inverter

FOR 15 YEARS:



Rotor



Electronic control board



Aware of the quality and reliability of our products, we have **EXTENDED** our warranties: **JPG** and **CIERZO SCREW**.

Ask your distributor about Compresores Josval warranty plans.



MECHANICAL STRESS ELIMINATION

All our IBERUS compressors have progressive starting which eliminates the mechanical stress caused by direct starts and/or through star delta start, providing a progressive starting curve which minimizes the impact of power transmission between the motor and the rotor.

DUAL PLUG SYSTEM

Double starter system wich incorporates inverter - vv and a complete star delta start for those situations in which due to the failure of inverter or becасue of not having a stable electrical supply, the compressor could provide service in mode everything or nothing. This DUAL PLUG security system is included in the price of all our IBERUS which incorporate inverter - vv.

FAST - LOCK DOOR SYSTEM

Easy and quickly removable bodywork system to give quick access to all elements.

In case of doing a complete installation of a compressor with air treatment, the set would consist on a IBERUS compressor, a SCC series cyclone condensate separator, an air tank, a FEP series particle separator filter and an EDS series refrigeration dryer with by-pass.


IBERUS SERIES
IBERUS SETS -AS


Code	Model
5226895	IBERUS 7,5-B-AS- + Separator SCC-1000 + Vertical tank 270L 11bar + Dryer EDS2-1800 + Filter FEP-1200
5236895	IBERUS 10-B-AS- + Separator SCC-3000 + Vertical tank 270L 11bar + Dryer EDS2-1800 + Filter FEP-1200
5256815	IBERUS 15-B-AS- + Separator SCC-3000 + Vertical tank 500L 11bar+ Dryer EDS2-2400 + Filter FEP-1800
5266815	IBERUS 20-B-AS- + Separator SCC-3000 + Vertical tank 500L 11bar + Dryer EDS2-3600+ Filter FEP-3000
5276815	IBERUS 25-B-AS- + Separator SCC-3000 + Vertical tank 500L 11bar + Dryer EDS2-4700 + Filter FEP-3000
5306855	IBERUS 30-B-AS- + Separator SCC-5000 + Vertical tank 1000L 11bar + Dryer EDS2-4700 + Filter FEP-5000
5316855	IBERUS 40-B-AS- + Separator SCC-5000 + Vertical tank 1000L 11bar + Dryer EDS2-5700 + Filter FEP-5000
5326855	IBERUS 50-B-AS- + Separator SCC-9500 + Vertical tank 1000L 11bar + Dryer EDS-8000 + Filter FEP-7200
5336865	IBERUS 60-B-AS- + Separator SCC-9500 + Vertical tank 2000L 11bar + Dryer EDS-8000 + Filter FEP-7200

Three-phase compressors ordered at 230V will incur a 5% price increase.

By-pass and connection hoses included

FEATURES:

- Motor protection system integrated (phase sequence, phase failure, motor overload, etc.).
- RFI suppression filter.
- Reduction of harmonic disturbances in networks up to 30%.
- Enabling code which allows locking the equipment up for handling.
- Local/remote monitoring (power range, amperage, etc.).
- Report of system performance (failures, alarms, etc.).

BENEFITS:

- Energy saving, matching compressor power to pressure demand.
- Provides low mechanical stress without sudden starts and stops.
- Reduction of the electricity consumption rate.
- **DUAL PLUG** system for models equipped with inverter- vv. (Inverter + Star Delta Start Y△)

INVERTER -VV

Controlled through an electronic board, INVERTER devices allow to modulate power that is supplied to the engine. They allow progressive soft starting without breaks. You will get great savings of electricity consumption by making the engine vary your workload on the basis of the actual demand of air in each moment.



IBERUS SERIES

INVERTER -VV

Code	Model	HP	Kw	l/m (max-min)	m³/h (max-min)	bar	dB (A)	BSP	LxWxH mm	Kg
5220254	IBERUS 7,5-A -VV-			903-451	54,2-27,1	8				
5220255	IBERUS 7,5-B -VV-	7,5	5,5	751-375	45-22,5	10	63	½"	800x800x1150	310
5220256	IBERUS 7,5-C -VV-			646-323	38,8-19,4	13				
5230254	IBERUS 10-A -VV-			1273-637	76,4-38,2	8				
5230255	IBERUS 10-B -VV-	10	7,5	1093-546	65,6-32,8	10	65	½"	800x800x1150	318
5230256	IBERUS 10-C -VV-			893-447	53,6-26,8	13				
5250254	IBERUS 15-A -VV-			1720-860	103,2-51,6	8				
5250255	IBERUS 15-B -VV-	15	11	1482-741	88,9-44,5	10	68	½"	800x800x1150	340
5250256	IBERUS 15-C -VV-			1259-629	75,5-37,8	13				
5260254	IBERUS 20-A -VV-			2699-1349	161,9-81,0	8				
5260255	IBERUS 20-B -VV-	20	15	2494-1247	149,6-74,8	10	70	¾"	800x1100x1520	488
5260256	IBERUS 20-C -VV-			2032-1016	121,9-61	13				
5270254	IBERUS 25-A -VV-			3376-1688	202,5-101,3	8				
5270255	IBERUS 25-B -VV-	25	19	3150-1575	189-94,5	10	72	¾"	800x1100x1520	567
5270256	IBERUS 25-C -VV-			2625-1313	157,5-78,8	13				
5300254	IBERUS 30-A -VV-			3938-1969	236,3-118,1	8				
5300255	IBERUS 30-B -VV-	30	22	3743-1872	224,6-112,3	10	73	1"	800x1100x1520	598
5300256	IBERUS 30-C -VV-			3024-1512	181,4-90,7	13				
5310254	IBERUS 40-A -VV-			5030-2515	301,8-150,9	8				
5310255	IBERUS 40-B -VV-	40	30	4166-2083	249,9-125	10	74	1"	1100x1300x1557	806
5310256	IBERUS 40-C -VV-			3658-1829	219,5-109,7	13				
5320254	IBERUS 50-A -VV-			6109-3054	366,5-183,3	8				
5320255	IBERUS 50-B -VV-	50	37	5330-2665	319,8-159,9	10	75	1"	1100x1300x1557	801
5320256	IBERUS 50-C -VV-			4513-2256	270,8-135,4	13				
5330254	IBERUS 60-A -VV-			7875-3938	472,5-236,3	8				
5330255	IBERUS 60-B -VV-	60	45	7145-3573	428,7-214,4	10	77	1 ½"	1100x1300x1557	814
5330256	IBERUS 60-C -VV-			6458-3229	324,5-162,2	13				

Three-phase compressors ordered at 230V will incur a 5% price increase.

For companies who use air, variable air consumption rates make it necessary to adapt the load time of the compressor to the real demands of air usage at each moment. To this end, JOSVAL equips our IBERUS-VV series with an INVERTER which corrects the revolutions of the electric motor, getting the compressor to generate only the air that is necessary to supply the working points.

GRAFENO EUPHORIA^{PM} Series

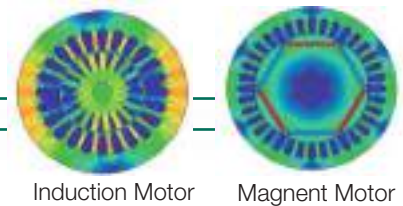
INVERTER

EUPHORIA^{PM} compressors incorporate permanent magnet motors and constant torque and they are controlled by an inverter system to obtain the best energetic performance even at low r.p.m.



MAIN FEATURES:

- Screw compressor, reliable, compact and robust.
- More compact, smaller and quiet.
- EASY ACCESS and economic maintenance.
- Permanent magnet motors and CONSTANT TORQUE even at low r.p.m.
- Latest generation TOUCH CONTROL DEVICE with powerful software that allows almost infinite configuration options.
- INVERTER Technology.
- Latest generation AIREND with 5:6 perfil.
- DIRECT DRIVE system, without gears nor belts.



Induction Motor

Magnet Motor

PERMANENT MAGNET MOTORS

The permanent magnet motors allow to eliminate the sliding, making the motor capable of rotating at the theoretical maximum speed, unlike the induction motors. In addition, they provide a constant efficiency and torque, which allows to lower of revolutions much more than a motor of induction current, adapting with a greater precision to the demand of existent air in the installation, and taking out the maximum performance to the variable speed systems. Also, as one of the main advantages, they have lower starting currents, decreasing the heating of all the circuitry and allowing a greater number of starts and stops.

GRAFENO EUPHORIA^{PM} SERIES INVERTER - VV



						LxWxH					
Code	Model	HP	Kw	l/m	m³/h	bar	dB (A)	BSP	mm	Kg	
5238854	GRAFENO EUPHORIA ^{PM} 10-A -VV-	10	7,5	1028-342	61,6-20,5	8	58	3/4"	1100x700x935	200	
5238855	GRAFENO EUPHORIA ^{PM} 10-B -VV-		7,5	810-270	48,6-16,2	10			1100x700x935		
5258854	GRAFENO EUPHORIA ^{PM} 15-A -VV-	15	11	1590-530	95,4-31,8	8		1"	1250x800x1035	300	
5258855	GRAFENO EUPHORIA ^{PM} 15-B -VV-		11	1430-476	85,8-28,5	10			1250x800x1035		
5268854	GRAFENO EUPHORIA ^{PM} 20-A -VV-	20	15	2150-710	129-42,6	8			1250x800x1035	350	
5268855	GRAFENO EUPHORIA ^{PM} 20-B -VV-		15	1850-610	111-36,6	10			1250x800x1035		
5278854	GRAFENO EUPHORIA ^{PM} 25-A -VV-	25	19	2940-980	176,4-58,8	8	62		1300x800x1130	400	
5278855	GRAFENO EUPHORIA ^{PM} 25-B -VV-		19	2300-760	138-45,6	10			1300x800x1130		
5308854	GRAFENO EUPHORIA ^{PM} 30-A -VV-	30	22	3400-1130	204-67,8	8		1 1/2"	1300x800x1130	420	
5308855	GRAFENO EUPHORIA ^{PM} 30-B -VV-		22	3000-1000	108-60	10			1300x800x1130		
5318854	GRAFENO EUPHORIA ^{PM} 40-A -VV-	40	30	5400-1530	324-91,8	8			65	1500x950x1215	540
5318855	GRAFENO EUPHORIA ^{PM} 40-B -VV-		30	4000-1330	240-79,8	10				1500x950x1215	
5328854	GRAFENO EUPHORIA ^{PM} 50-A -VV-	50	37	6200-2070	372-124,2	8	2"			1500x950x1215	580
5328855	GRAFENO EUPHORIA ^{PM} 50-B -VV-		37	5800-1930	348-115,8	10				1500x950x1215	
5338854	GRAFENO EUPHORIA ^{PM} 60-A -VV-	60	45	7200-2400	432-144	8		70		1700x1000x1500	915
5338855	GRAFENO EUPHORIA ^{PM} 60-B -VV-		45	6800-2270	408-136,2	10				1700x1000x1500	
5348854	GRAFENO EUPHORIA ^{PM} 75-A -VV-	75	55	10000-3330	600-199,8	8			73	1700x1000x1500	942
5348855	GRAFENO EUPHORIA ^{PM} 75-B -VV-		55	9000-3000	540-180	10				1700x1000x1500	
5358854	GRAFENO EUPHORIA ^{PM} 100-A -VV-	100	75	13000-4330	780-259,8	8	78			1900x1050x1500	1100
5358855	GRAFENO EUPHORIA ^{PM} 100-B -VV-		75	10900-3630	654-217,8	10				1900x1050x1500	
5508854	GRAFENO EUPHORIA ^{PM} 125-A -VV-	125	90	15000-5000	900-300	8		DN80		2300x1300x1650	1700
5508855	GRAFENO EUPHORIA ^{PM} 125-B -VV-		90	14300-4770	858-286	10				2300x1300x1650	
5518854	GRAFENO EUPHORIA ^{PM} 150-A -VV-	150	110	20100-6700	1206-402	8			2600	2300x1300x1650	1900
5518855	GRAFENO EUPHORIA ^{PM} 150-B -VV-		110	17500-5830	1050-350	10				2300x1300x1650	
5528854	GRAFENO EUPHORIA ^{PM} 180-A -VV-	180	132	22100-7370	1326-442	8	220			2500x1400x1925	2400
5528855	GRAFENO EUPHORIA ^{PM} 180-B -VV-		132	19700-6570	1182-390	10				2500x1400x1925	
5548854	GRAFENO EUPHORIA ^{PM} 220-A -VV-	220	160	24300-8100	1458-486	8		2900x1700x2050		2600	
5548855	GRAFENO EUPHORIA ^{PM} 220-B -VV-		160	21200-7060	1272-423,6	10					2900x1700x2050

EUPHORIA^{PM} INSIGHTS

1 HIGH EFFICIENCY AIR FILTER

Compressors of GRAFENO EUPHORIA^{PM} series from 25 HP are equipped with an air filter in the suction valve as standard.

2 AIR/OIL SEPARATOR

The air/oil separator guarantees efficient management of lubricant, extending its durability. Easy access due to its studied location and the panel structure for an economic maintenance.

3 NO LEAKS PIPES

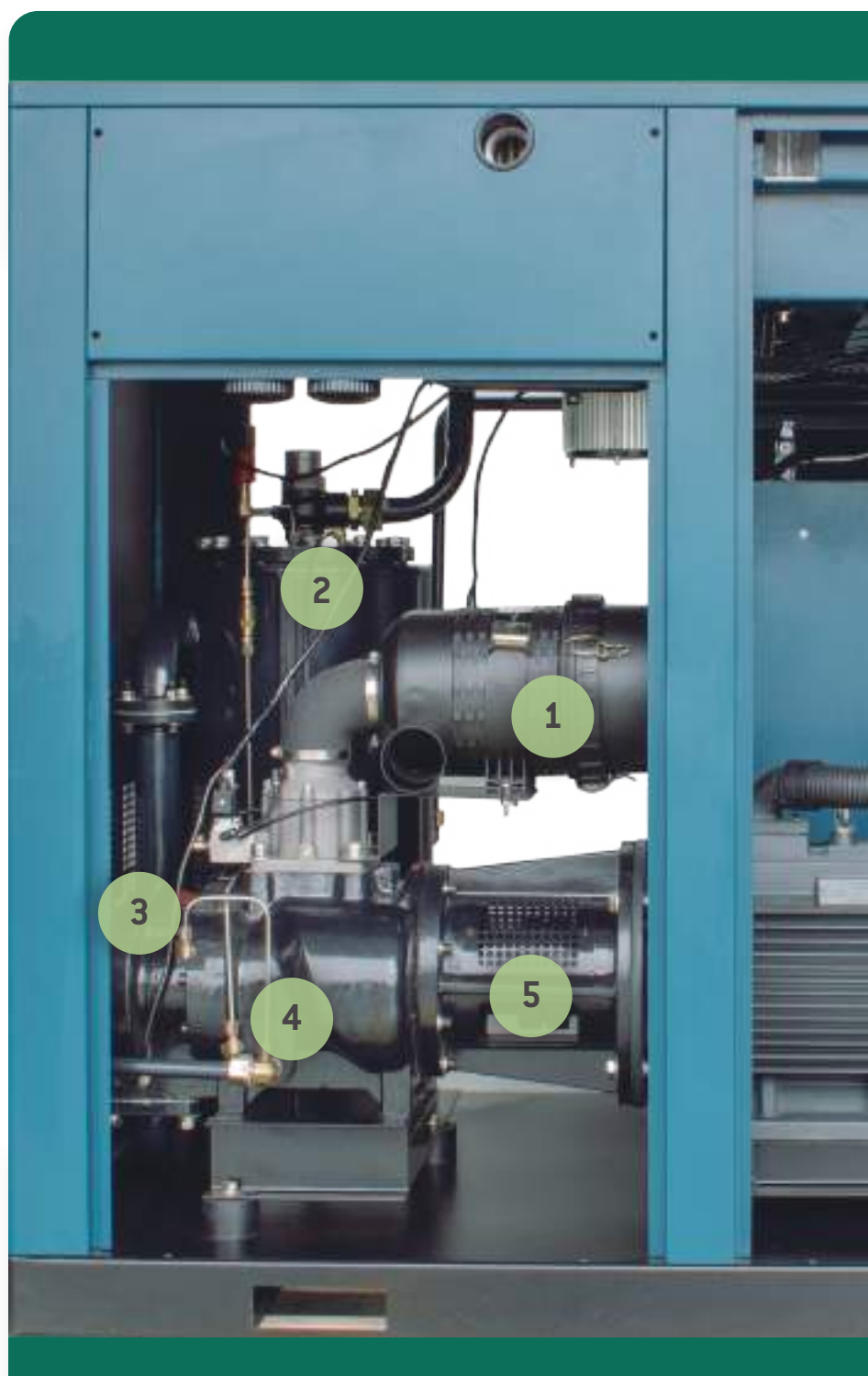
Rigid steel pipe to avoid air losses and/or oil due to wear and aging.

4 BIG SIZE AIREND

Oversized rotor, 5: 6 profile developed expressly for 1:1 direct transmission.

5 DIRECT DRIVE SYSTEM

Maximum efficiency by directly transferring all the power from MAGNET motor, without loss of energy.



BACK VIEW

6 PERMANENT MAGNET MOTORS

In GRAFENO EUPHORIAPM Series, all the motors are permanent magnet kind, high efficiency level, IP55 protection and Level F insulation. With their wide working range, from 25% to 100%, we will obtain the maximum saving added to an important noise and vibration reduction with a comfortable and easy maintenance, economic at same time thanks to our FAST-LOCK door system.

7 TOUCH-SCREEN CONTROL DEVICE. INDUSTRY 4.0

Last generation of touch-screen control device, able to supply more than 100 different parameters, and, simultaneously, manage the INVERTER system. In addition, with our easy and useful “Multi Control” Manager, designed for up to 16 connected devices, ensuring instant pressured air service at any time facing any adversity.

8 INVERTER

All models of the GRAFENO EUPHORIA^{PM} Series incorporate an inverter system to manage and get the highest performance of the MAGNET motors.

9 COOLING

Reliability for the entire compressor due to the temperature control that our GRAFENO compressors manage by our Control Devices, which constantly measure and regulate the optimum working temperature of the entire system.



GRAFENO QUARTZ Series

The GRAFENO QUARTZ series shares the main advantages of all our GRAFENO direct drive solutions, with amply dimensioned rotors, limiting their rpm to prolong their service life, making it a very efficient range and the optimal solution at a very competitive cost for companies that need high flow rates or constant pressures over a long period of time.

This series can be found from 30 to 350 HP and its models are available in 8 and 10 bar versions.



Features

- Reliable, compact and robust screw compressor.
- ROTOR of last generation with 5:6 profile.
- DIRECT TRANSMISSION system, without gears or belts.
- Low consumption and high efficiency electric motor IE3.
- Low NOISE LEVEL.
- HIGH EFFICIENCY air filter.

-- EASY AND VERY FAST ACCESS.

- Economical maintenance. (1)
- INVERTER (optional). Available with variable speed drive. (2)

- Control board incorporating:
 - + Rotor rotation direction control.
 - + Temperature measurement and control.
 - + Possibility of remote or local control.
 - + Language selection (Spanish/English).
 - + Multicontrol function (up to 16 compressors).
 - + Protection system against blocking, phase failure, short circuits, unbalance and overload of the electric motor.
 - + Control menu: start, stop and operation of the motor.
 - + Time programming (calendar).
 - + Pressure programming.
 - + SCADA integration.



Air flow is set according to ISO 1217.

Noise level as CAGI PNEUROP-measured in the open air, at a distance of 1 meter.

GRAFENO QUARTZ compressors incorporate air pre-filters that keep the enclosure clean and ensure the highest efficiency of the air intake.

The warm air exhaust system is smartly located for an easy and economic adaptation of heat recovery systems for industrial processes, heating, etc.

DUAL PLUG SYSTEM

Double starter system wich incorporates inverter - vv and a complete star delta start for those situations in which due to the failure of inverter or becасue of not having a stable electrical supply, the compressor could provide service in mode everything or nothing. This DUAL PLUG security system is included in the price of all our GRAFENO QUARTZ which incorporate inverter - vv.



GRAFENO QUARTZ SERIES

STAR DELTA STARTER (Y-Δ)



Code	Model	HP	Kw	l/m	m³/h	bar	dB (A)	BSP	LxWxH mm	Kg
5308754	GRAFENO QUARTZ 30-A -YA-	30	22	3400	204	8	70	1"	1400x800x1130	540
5308755	GRAFENO QUARTZ 30-B -YA-			3000	180	10				
5318754	GRAFENO QUARTZ 40-A -YA-	40	30	4600	276	8	70	1 ¼"	1500x950x1215	720
5318755	GRAFENO QUARTZ 40-B -YA-			4000	240	10				
5328754	GRAFENO QUARTZ 50-A -YA-	50	37	6400	384	8	70	1 ¼"	1500x950x1215	740
5328755	GRAFENO QUARTZ 50-B -YA-			5500	330	10				
5338754	GRAFENO QUARTZ 60-A -YA-	60	45	7200	432	8	70	1 ½"	1800x1000x1500	1.050
5338755	GRAFENO QUARTZ 60-B -YA-			6100	366	10				
5348754	GRAFENO QUARTZ 75-A -YA-	75	55	10000	600	8	70	1 ½"	1800x1000x1500	1.220
5348755	GRAFENO QUARTZ 75-B -YA-			7200	432	10				
5358754	GRAFENO QUARTZ 100-A -YA-	100	75	13200	792	8	70	2"	1900x1050x1500	1.450
5358755	GRAFENO QUARTZ 100-B -YA-			9200	552	10				
5508754	GRAFENO QUARTZ 125-A -YA-	125	90	15200	912	8	72	2 ½"	2300x1300x1650	1.960
5508755	GRAFENO QUARTZ 125-B -YA-			12300	738	10				
5518754	GRAFENO QUARTZ 150-A -YA-	150	110	20100	1206	8	75	2 ½"	2300x1300x1650	2.450
5518755	GRAFENO QUARTZ 150-B -YA-			14700	882	10				
5528754	GRAFENO QUARTZ 180-A -YA-	180	132	23300	1398	8	78	2 ½"	2500x1400x1925	2.925
5528755	GRAFENO QUARTZ 180-B -YA-			21200	1272	10				
5548754	GRAFENO QUARTZ 220-A -YA-	220	160	26500	1590	8	110	2 ½"	2900x1700x2050	3.900
5548755	GRAFENO QUARTZ 220-B -YA-			23400	1404	10				
5558754	GRAFENO QUARTZ 250-A -YA-	250	185	32100	1926	8	112	2 ½"	2900x1700x2050	4.100
5558755	GRAFENO QUARTZ 250-B -YA-			27100	1626	10				
5568755	GRAFENO QUARTZ 300-B -YA-	300	220	32400	1944	10	112	DN80	3000x1900x2200	5.100
5578754	GRAFENO QUARTZ 350-A -YA-	350	250	41300	2478	8	112	DN100	3400x1900x2300	5.600
5578755	GRAFENO QUARTZ 350-B -YA-			35000	2100	10				

Ask for other pressures and voltages.



DUAL PLUG system

INVERTER -VV

Variable speed drives are devices controlled by an electronic board that modulates the energy the electric motor receives. They allow soft starts, easing mechanical stress and also easing the high inrush currents which can be experienced by starting a motor under load. They get big power consumption savings by making the electric motor vary its workload in function of the air demand.

FEATURES:

- Motor protection system integrated (phase sequence, phase failure, motor overload, etc.).
- RFI suppression filter.
- Reduction of harmonic disturbances in networks up to 30%.
- Enabling code which allows locking the equipment up for handling.
- Local/remote monitoring (power range, amperage, etc.)
- Report of system performance (failures, alarms, etc.)

BENEFITS:

- Energy saving by matching the compressor output to the pressure demand.
- It provides low mechanical stress without sudden stops.
- Electricity rate reduction.
- **DUAL PLUG System** for models equipped with inverter- vv. (Inverter + Star Delta Start Y△)

GRAFENO QUARTZ SERIES

INVERTER



Code	Model	HP	Kw	l/m (max-min)	m ³ /h (max-min)	bar	dB (A)	BSP	LxWxH mm	Kg
5308954	GRAFENO QUARTZ 30-A -VV-	30	22	3400-1020	204-61	8	70	1"	1400x800x1130	550
5308955	GRAFENO QUARTZ 30-B -VV-			3000-900	180-54	10				
5318954	GRAFENO QUARTZ 40-A -VV-	40	30	4600-1380	276-83	8	70	1 1/4"	1500x950x1215	730
5318955	GRAFENO QUARTZ 40-B -VV-			4000-1200	240-72	10				
5328954	GRAFENO QUARTZ 50-A -VV-	50	37	6400-1920	384-115	8	70	1 1/4"	1500x950x1215	750
5328955	GRAFENO QUARTZ 50-B -VV-			5800-1650	348-99	10				
5338954	GRAFENO QUARTZ 60-A -VV-	60	45	7200-2160	432-130	8	70	1 1/2"	1800x1000x1500	1.075
5338955	GRAFENO QUARTZ 60-B -VV-			6800-1830	408-110	10				
5348954	GRAFENO QUARTZ 75-A -VV-	75	55	10000-3000	600-180	8	70	1 1/2"	1800x1000x1500	1.235
5348955	GRAFENO QUARTZ 75-B -VV-			8500-2160	510-130	10				
5358954	GRAFENO QUARTZ 100-A -VV-	100	75	13200-3960	792-238	8	70	2"	1900x1050x1500	1.465
5358955	GRAFENO QUARTZ 100-B -VV-			10900-2760	654-166	10				
5508954	GRAFENO QUARTZ 125-A -VV-	125	90	15200-4560	912-274	8	72	2 1/2"	2300x1300x1650	1.995
5508955	GRAFENO QUARTZ 125-B -VV-			13600-3690	816-221	10				
5518954	GRAFENO QUARTZ 150-A -VV-	150	110	20100-6030	1206-362	8	75	2 1/2"	2300x1300x1650	2.485
5518955	GRAFENO QUARTZ 150-B -VV-			17500-4410	1050-265	10				
5528954	GRAFENO QUARTZ 180-A -VV-	180	132	23300-6990	1398-419	8	78	2 1/2"	2500x1400x1925	2.960
5528955	GRAFENO QUARTZ 180-B -VV-			21200-6360	1272-382	10				
5548954	GRAFENO QUARTZ 220-A -VV-	220	160	26500-7950	1590-477	8	110	2 1/2"	2900x1700x2050	3.935
5548955	GRAFENO QUARTZ 220-B -VV-			23400-7020	1404-421	10				
5558954	GRAFENO QUARTZ 250-A -VV-	250	185	32100-9630	1926-578	8	112	2 1/2"	2900x1700x2050	4.135
5558955	GRAFENO QUARTZ 250-B -VV-			27100-8130	1626-488	10				
5568955	GRAFENO QUARTZ 300-B -VV-	300	220	32400-9270	1944-556	10	112	DN80	3000x1900x2200	5.135
5578954	GRAFENO QUARTZ 350-A -VV-	350	250	41300-12400	2478-744	8	112	DN100	3400x1900x2300	5.635
5578955	GRAFENO QUARTZ 350-B -VV-			35000-10600	2100-636	10				

Ask for other pressures and voltages.

GRAFENO VBRIK^{PM} Series

The GRAFENO VBRIK^{PM} series of Compresores JOSVAL is probably the most efficient on the market today. Each compressor component has been specifically designed and tested to guarantee maximum quality and performance, as well as easy maintenance. The GRAFENO VBRIK^{PM} series stands out for its high efficiency, competitive cost of ownership and low operating cost.



MAIN FEATUTRES:

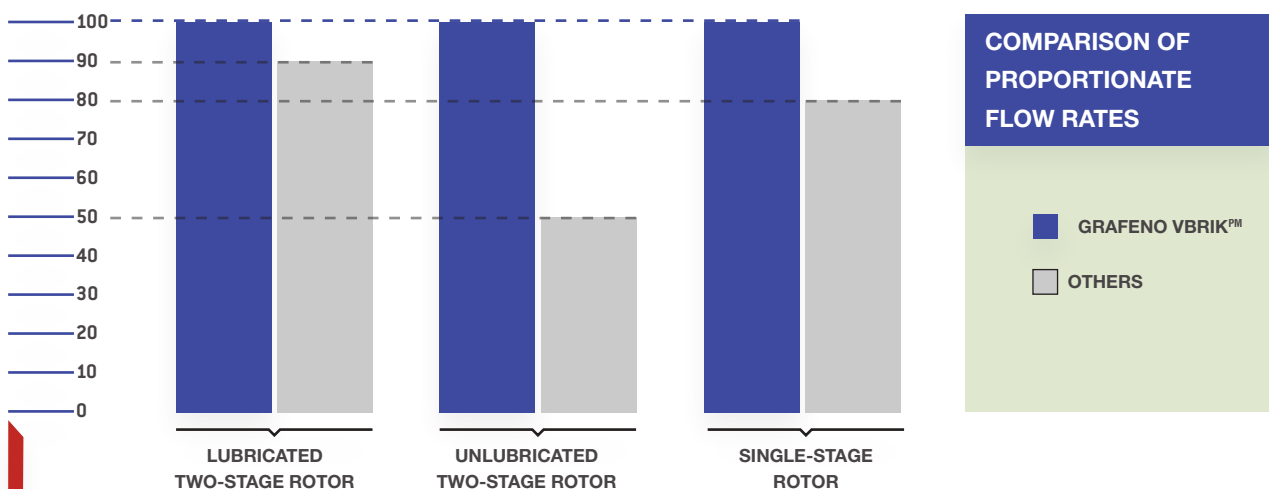
- 2 STAGE rotors for a significant increase in air flow.
- Filtration system with very low pressure drop.
- TWO-STAGES rotor.
- INTER STAGE SYSTEM WITHOUT LOAD LOSS - which keeps the temperature under control with the consequent improvement in the efficiency of the compression process.
- TOUCH CONTROL PANEL with powerful software that allows almost infinite configuration options.
- Low noise level.
- Anti-dust air filter.
- PERMANENT MAGNET MOTORS efficiencyIE4 and IP55 insulation level.



Two-stage rotor

GREAT PRODUCTION

The use of a two-stage compression system not only provides a significant increase in flow rate, but also makes better use of the engine's power by dividing the work into two stages. This in turn leads to a reduction in the stresses within each of the rotors, thus increasing the life of the equipment. Together with this division, the direct transmission of power to the rotors by means of direct drive and gear transmission ensures optimum efficiency in the process, making the most of every kWh consumed.





- 1 **Anti-dust air filter.**
Protection for industrial environments.
- 2 **Two-stage rotor.**
To obtain the maximum flow rate with less effort.
- 3 **IE4 high energy efficiency motor.**
Performance above 95%.



- 4 **Touch control board.**
The latest generation with powerful software that allows almost infinite configuration options.

- 5 **Inverter.**
Models are equipped with variable speed drive and permanent magnet motors.

**SERIE GRAFENO VBRIK^{PM}****INVERTER**

Code	Model	HP	Kw	l/m	m ³ /h	bar	dB (A)	BSP	LxW H mm	Kg
5329304	GRAFENO VBRIK ^{PM} 50-A -VV-	50	37	7490-2996	449,40-179,76	8	79	1-1/2"	1650x1000x1450	770
5329305	GRAFENO VBRIK ^{PM} 50-B -VV-			6620-2648	397,20-158,88	10				
5339304	GRAFENO VBRIK ^{PM} 60-A -VV-	60	45	9140-3656	548,40-219,36	8		2"	2000x1100x1160	1060
5339305	GRAFENO VBRIK ^{PM} 60-B -VV-			8190-3276	491,40-196,56	10				
5349304	GRAFENO VBRIK ^{PM} 75-A -VV-	75	55	11860-4744	711,60-284,64	8	85			1280
5349305	GRAFENO VBRIK ^{PM} 75-B -VV-			9790-3916	587,40-234,96	10				
5359304	GRAFENO VBRIK ^{PM} 100-A -VV-	100	75	15700-6280	942,00-376,80	8		2-1/2"	2500x1430x1800	1580
5359305	GRAFENO VBRIK ^{PM} 100-B -VV-			12190-4876	731,40-292,56	10				
5509304	GRAFENO VBRIK ^{PM} 125-A -VV-	125	90	19100-7640	1146,00-458,40	8	87			2.600
5509305	GRAFENO VBRIK ^{PM} 125-B -VV-			18120-7248	1087,20-434,88	10				
5519304	GRAFENO VBRIK ^{PM} 150-A -VV-	150	110	21600-8640	1296,05-518,4	8		3"	2500x1800x2000	3.200
5519305	GRAFENO VBRIK ^{PM} 150-B -VV-			19700-7880	1182,00-472,80	10				
5529304	GRAFENO VBRIK ^{PM} 185-A -VV-	185	132	25320-10128	1519,21-607,68	8	89			4.200
5529305	GRAFENO VBRIK ^{PM} 185-B -VV-			25280-10112	1516,81-606,72	10				
5549304	GRAFENO VBRIK ^{PM} 225-A -VV-	225	160	31330-12532	1879,81-751,92	8		2-1/2"	2800x1800x2150	4.800
5549305	GRAFENO VBRIK ^{PM} 225 B -VV-			30790-12316	1847,41-738,96	10				
5559304	GRAFENO VBRIK ^{PM} 250 A -VV-	250	185	36370-14548	2182,21-872,88	8	92			
5559305	GRAFENO VBRIK ^{PM} 250 B -VV-			32620-13048	1957,21-782,88	10		4"	3600x2000x2400	5.800

Ask for other pressures and voltages.

Up to 10% more flow rate over other 2-stage compressors.

Up to 50% more flow rate over oil-free compressors.

Up to 18% more flow rate over 1-stage compressors.

Up to 13% less current input compared to 1-stage compressors.

MAXIMUM EFFICIENCY

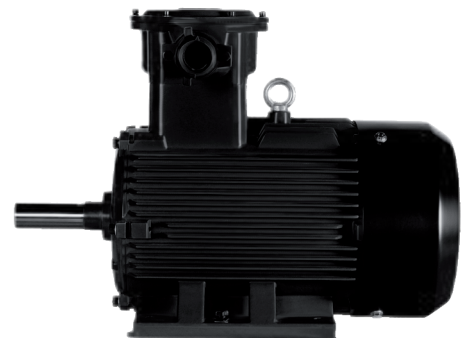
For high power equipment, the cost of acquiring a compressor is a very small part of the total cost of the equipment, so the main savings in this equipment is due to its level of efficiency.

That is why at JOSVAL we focus our efforts on achieving equipment with the highest levels of efficiency that technology provides, in addition to the reliability and quality of our brand.

MAXIMUM USE OF RESOURCES:

All motors of the GRAFENO VBRIK^{PM} series are permanent magnet motors with high efficiency, IP55 protection and insulation F. The optimised design of both the fan and the housing ensure optimum cooling and quiet operation.

The cast iron housings make it easy to assemble the motor with the other components. The grease used to protect the motor bearings is one of the best on the market, which guarantees a longer lubricant life, greater stability and the best resistance to rust and corrosion.



EFFECTIVE WORK

Variable speed compressors efficiently and reliably manage variations in the compressed air demand of the installation. These compressors regulate their work under load, optimising the correspondence between the effective air demand and air production.

A GRAFENO VBRIK^{PM} INVERTER compressor placed in a suitable installation provides low mechanical stress without sudden starts and stops, while guaranteeing significant energy savings and a constant, uniform and effective air service.

4

AIR TREATMENT

CYCLONIC SEPARATOR

TANKS

REFRIGERANT DRYERS

ADSORPTION DRYERS

FILTERS

CARBON TOWERS

WATER/OIL SEPARATORS

AIR PIPELINE SYSTEM



CYCLONIC SEPARATORS

Condensate separators are designed to separate solid elements, liquids and aerosols from the compressed air.

They work by centrifugal force, accumulating these residues in the bottom of the separator which must be regularly purged. These condensate separators don't have any maintenance as they have no moving parts.

Their use is recommended in the following cases:

1. At the entrance of the refrigeration dryer when there is no air tank.
2. At the outlet of the compressor when there is no air tank, or when the air tank is at a considerable distance, or when the air pipeline system rises vertically.



OPTIONAL AND RECOMMENDED

Automatic condensate drain.
Code 5679701.



SCC - CONDENSATE SEPARATORS

Code	Model	l/m	m³/h	bar	BSP	Kg
5657050	SCC-500	500	30	16	3/8"	0,6
5657100	SCC-1000	1000	60	16	1/2"	0,6
5657300	SCC-3000	3000	180	16	3/4"	0,7
5657500	SCC-5000	5000	300	16	1"	1,1
5657950	SCC-9500	9500	570	16	1 1/2"	1,3
5658165	SCC-16500	16500	990	16	2"	3,6
5658220	SCC-22000	22000	1320	16	2 1/2"	4,7
5658450	SCC-45000	45000	2700	16	3"	6,2

THE IMPORTANCE OF AIR TREATMENT

A direct supply of compressed air from the compressor to your company's network can lead to several technical and economical problems. Both the pneumatic installation and the machinery of your company require a good enough air quality to extend the useful life of the equipment and its components.

By choosing the right air treatment solutions your company gets the following benefits:

1. Extend the useful life of your machinery and tools.
2. Prevent rust formation in your compressed air network.
3. Improve the energy efficiency of your equipment.
4. Lower maintenance costs.

For these reasons, you should always let the experts in compressed air advise you on how to improve your compressed air system to avoid unnecessary costs for your business.

TANKS

All our horizontal and vertical standard tanks are equipped with a pressure gauge, safety valve and drain cock included in the price.

Tanks are manufactured according to EU directives 2009/105/EC, 97/23/EC and 2014/29/EU.

We recommend draining the tank weekly or the installation of an electronic drain to ensure the absence of water in its interior.

OPTIONAL AND RECOMMENDED

Connection fittings kit.

Consult price according to model.



Electronic drain:

Removes condensate from tanks by means of an electronically regulated and timed device, without loss of compressed air and with minimum energy cost. Code 5654020.

SPECIAL APPLICATIONS TANKS (OPTIONAL)

HIGH PRESSURE - GALVANIZED - VACUUM - STAINLESS STEEL AISI 304

Pressure gauge, safety valve and drain cock are not included.

Consult price according to model.



VERTICAL TANKS

Code	Model	Lts	bar	BSP (In-Out)	LxWxH mm	Kg
5590179	DV 100	100	11	3/4"	370x370x1155	28
5590199	DV 270	270	11	1"	490x490x1660	65
5590219	DV 500	500	11	1"	600x600x2040	123
5590259	DV 1000	1000	11	2"	850x850x2400	204
5590269	DV 2000	2000	11	2"	1120x1120x2900	352
5591179	DV 100	100	15	3/4"	370x370x1155	48
5591199	DV 300	300	15	1"	490x490x1660	80
5591219	DV 500	500	15	1"	600x600x2040	154
5591259	DV 1000	1000	15	2"	850x850x2400	207
5591269	DV 2000	2000	15	2"	1120x1120x2900	442

HORIZONTAL TANKS

Code	Model	Lts	bar	BSP (In-Out)	LxWxH mm	Kg
5590076	DH 100	90	11	1/2"	1050x360x550	27
5590185	DH 200	200	11	1/2"	1390x420x510	53
5590195	DH 300	270	11	1/2"	1500x515x575	65
5590215	DH 500	500	11	1/2"	1900x600x680	123
5591075	DH 100	100	15	1/2"	1125x470x550	48
5591184	DH 200	200	15	1/2"	1390x420x510	63
5591196	DH 300	300	15	1/2"	1500x515x575	80
5591215	DH 500	500	15	1/2"	1900x600x680	154

Tanks up to 100 liters (both 11 and 15 bar), are equipped with handle and wheels for easy transport.

Approximate weights and dimensions.

REFRIGERANT DRYERS

EDELWEISS series refrigeration dryers represent the optimal solution for those who require moisture removal in a pneumatic installation, whatever the air demand.

They have been designed for maximum reliability and performance, as well as very good accessibility for easy inspection and maintenance.

EDS SERIES

These dryers should be installed with those compressors which carry a built-in final cooler (BRISA PLUS, MONCAYO, IBERUS, GRAFENO EUPHORIA, GRAFENO QUARTZ, and GRAFENO CARBYNE series).

REDE SERIES

These dryers should be installed with those compressors which are not provided with a final cooler (CLASSIC and BRISA series).



EDELWEISS SERIES EDS - REFRIGERANT DRYERS

Code	Model	l/m	m³/h	Kw	Vol/Ph/Hz	bar	BSP	LxWxH mm	Kg
5642000	EDS-400	400	24	0,12	230/1/50	16	3/8"	360x305x408	19
5642002	EDS2-900	900	54	0,17	230/1/50-60	16	1/2"	430x325x445	25
5642012	EDS2-1800	1800	108	0,29	230/1/50-60	16	1/2"	430x325x445	28
5642022	EDS2-2400	2400	144	0,41	230/1/50-60	16	3/4"	486x395x565	34
5642032	EDS2-3000	3000	180	0,47	230/1/50-60	16	3/4"	486x395x565	40
5642036	EDS2-3600	3600	216	0,61	230/1/50-60	16	3/4"	486x395x565	42
5642042	EDS2-4700	4667	280	0,60	230/1/50	16	1"	595x485x602	48
5642052	EDS2-5700	5667	340	0,60	230/1/50	16	1"	595x485x602	49
5642082	EDS-8000	8000	480	1,24	230/1/50	16	1 1/2"	680x500x980	64
5642112	EDS-11000	11000	660	1,24	230/1/50	16	2"	780x720x1360	85
5642162	EDS-16700	16667	1000	1,90	400/3/50	13	2"	780x720x1360	168
5642252	EDS-25000	25000	1500	2,78	400/3/50	14	3"	1012x806x1539	234
5642282	EDS-30000	30000	1800	2,78	400/3/50	14	3"	1012x806x1539	304
5642362	EDS-37500	37500	2250	3,54	400/3/50	14	3"	1012x806x1539	260

Refrigeration dryers with higher flow rates, other pressures and/or voltages on request.

REDE - REFRIGERATION DRYERS WITH BUILT-IN COOLER

Code	Model	l/m	m³/h	Kw	Vol/Ph/Hz	bar	BSP	LxWxH mm	Kg
5661022	REDE-20	850	51	0,27	230/1/50	14	1/2"	420x415x750	40
5661032	REDE-30	1800	108	0,54	230/1/50	14	1"	410x480x1170	48
5661042	REDE-40	2300	138	0,60	230/1/50	14	1"	410x480x1170	51
5661052	REDE-50	3100	186	0,76	230/1/50	14	1 1/4"	510x515x1320	61
5661062	REDE-60	5500	330	1,02	230/1/50	14	1 1/2"	560x595x1520	75
5661072	REDE-70	6200	372	1,14	230/1/50	14	1 1/2"	560x595x1520	84
5661082	REDE-80	8100	486	1,41	230/1/50	14	2"	710x775x1565	141

Refrigeration dryers with higher flow rates, other pressures and/or voltages on request.

ADSORPTION DRYERS



Certain industrial and process compressed air applications -chemical, pharmaceutical, or laboratory equipment, for example- must be completely free of all suspended water vapour.



A refrigeration dryer is suitable for most general applications, but for those requiring absolutely dry air, an adsorption dryer is the only solution.

For these applications, a SAD heatless adsorption dryer will provide a constant pressure dew point of -40°C, or even, on request for special applications, -70°C.

SAD - ADSORPTION DRYERS

Code	Model	 l/m	 m³/h	 W	 Vol/Ph/Hz	 bar	 BSP	 LxWxH mm	 Kg
5645000	SAD-30	30	1,8	50	230/1/50	10	1/4"	50x110x375	2
5645001	SAD-120	120	7	50	230/1/50	10	1/4"	70x170x530	6
5645003	SAD-300	300	18	50	230/1/50	10	3/8"	100x218x560	11
5645006	SAD-670	667	40	50	230/1/50	10	1/2"	405x470x925	42
5645014	SAD-1400	1333	80	50	230/1/50	10	1/2"	405x470x1280	58
5645020	SAD-2000	2000	120	50	230/1/50	10	1"	455x470x1860	86
5645027	SAD-2700	2667	160	50	230/1/50	10	1"	455x470x1860	86
5645034	SAD-3400	3333	200	50	230/1/50	10	1"	500x550x1650	200
5645067	SAD-6700	6666	400	50	230/1/50-60	10	1 1/2"	530x825x2160	325
5645080	SAD-8000	8333	480	50	230/1/50-60	10	1 1/2"	550x795x2380	465

Absorption dryers with flow rates on request.

INSTALLATION SCHEME



FILTERS



FEP: Suitable filters for the removal of solid particles up to 5 microns including fluids, emulsions and particles of oil. Their strong mechanical resistance makes these filters the ideal initial protection for the beginning of an installation of compressed air, and for retaining the impurities. For example, it is recommended for installation at the inlet of the dryers to pre-filter the FES models.

FES y FEX: Interception filters using the coalescence principle, suitable for the removal of solid particles (microns) and residual oil particles (mg/m³) down to 0.1 for the FES model and 0.01 for the FEX model.



FEZ: There are industrial processes that, in addition to requiring oil-free air, also require the elimination of oil vapors and odors. To this effect, the activated carbon filter through the process of adsorption attracts all the odors and fumes that are left after the oil removal process, and it keeps in the molecules of the activated carbon grains. Because of this, the filters of the FES and FEX models have to be placed before the filters FEZ. The filter consists of a thick layer of activated carbon covered by a fiber coating, which maintains its position thanks to an inner and outer stainless steel mesh.

OPTIONAL AND RECOMMENDED

Saturation indicator: Marks the need to replace the cartridge. Also available in version with differential pressure gauge.

Code 5679702



Automatic condensate drain.
Code 5679701



FILTERS



 l/m m ³ /h		 Code Prefilters FEP Partículas >5 µ		 Code Intercepción FES Partículas >1 µ		 Code Intercepción FEX Partículas >0,01 µ		 Code Carbón activado FEZ Partículas >0,003 µ		 BSP
560	33	5676005	FEP-560	5677005	FES-560	5678005	FEX-560	5679005	FEZ-560	3/8"
1170	70	5676012	FEP-1200	5677012	FES-1200	5678012	FEX-1200	5679012	FEZ-1200	1/2"
1800	108	5676018	FEP-1800	5677018	FES-1800	5678018	FEX-1800	5679018	FEZ-1800	3/4"
3000	180	5676030	FEP-3000	5677030	FES-3000	5678030	FEX-3000	5679030	FEZ-3000	3/4"
3400	204	5676034	FEP-3400	5677034	FES-3400	5678034	FEX-3400	5679034	FEZ-3400	1"
5000	300	5676050	FEP-5000	5677050	FES-5000	5678050	FEX-5000	5679050	FEZ-5000	1"
7200	432	5676072	FEP-7200	5677072	FES-7200	5678072	FEX-7200	5679072	FEZ-7200	1 1/2"
10400	620	5676104	FEP-10400	5677104	FES-10400	5678104	FEX-10400	5679104	FEZ-10400	1 1/2"
12800	770	5676128	FEP-12800	5677128	FES-12800	5678128	FEX-12800	5679128	FEZ-12800	2"
16500	990	5676165	FEP-16500	5677165	FES-16500	5678165	FEX-16500	5679165	FEZ-16500	2"
19000	1140	5676190	FEP-19000	5677190	FES-19000	5678190	FEX-19000	5679190	FEZ-19000	2 1/2"
22000	1320	5676220	FEP-22000	5677220	FES-22000	5678220	FEX-22000	5679220	FEZ-22000	2 1/2"
28000	1680	5676280	FEP-28000	5677280	FES-28000	5678280	FEX-28000	5679280	FEZ-28000	3"
35000	2100	5676350	FEP-35000	5677350	FES-35000	5678350	FEX-35000	5679350	FEZ-35000	3"

Higher flow rates filters, on request.

CARBON TOWERS

ACT carbon tower use activated carbon to absorb oil vapour from compressed air, giving as a result pure air of class 1 according to ISO 8573-1. They are designed for a long lifetime.

They have result essential for applications and industries where the air's purity is a critical factor to protect the production and the final product's quality. For example, in pharmaceutical, food and instrumentation industry, among others. With a maximum content of oil vapour of 0,003 mg/m³, ACT towers not only absorb fog and aerosol oil, but also the own oil vapour, guaranteeing class 1 of pure air according to ISO 8573-1.

Ideal for applications and industries that require class 1 of pure air. (ISO 8573-1)

CARBON TOWERS

Code	Model			BSP	LxWxH mm	Kg
		l/m	m ³ /h			
5691005	Active carbon tower ACT-500	500	30	1/2"	150x175x950	15
5691012	Active carbon tower ACT-1200	1200	72	1/2"	200x400x1350	25
5691018	Active carbon tower ACT-1800	1800	108	3/4"	250x400x1000	30
5691026	Active carbon tower ACT-2600	2600	156	1"	250x400x1470	53
5691037	Active carbon tower ACT-3700	3700	222	1"	250x400x1690	64
5691055	Active carbon tower ACT-5500	5500	330	1 1/4"	250x600x1130	135



WATER / OIL SEPARATORS

Current environmental laws stipulate that most of the oil contaminants must be removed from the condensation generated throughout the air compression process before being evacuated to the drainage system.

SC series achieve an efficient separation of oil from condensation, thanks to a multi-stage process, in compliance with environmental legislation: 91/271/CEE, 91/676/CEE y 2014/30/EC.

JOSVAL's series of SC oil/water separators separate the oil from the condensate generated by compressed air systems, thanks to a multi-stage process, thus complying with environmental legislation.

Oil/water separators of the SC series are valid for the removal of following types of oil:

1. Mineral oils.
2. Synthetic oils.
3. Condensation emulsions.
4. Polyglycol (check applications and availability).



SC - WATER/OIL SEPARATORS

Code	Model			BSP (In-Out)	LxWxH mm	Kg
		l/m	m ³ /h			
5656210	SC-1	2000	120	1/2" - 1/2"	255x230x239	5
5656220	SC-2	5000	300	1/2" - 1/2"	515x175x640	9
5656230	SC-3	9000	540	(2x)1/2" - 1/2"	715x260x815	18
5656240	SC-4	18000	1080	(2x)1/2" - 1/2"	715x260x815	21
5656250	SC-5	30000	1800	(2x)3/4" - 3/4"	1065x420x1240	59
5656260	SC-6	60000	3600	(2x)3/4" - 3/4"	1065x420x1240	63

AIR PIPELINES SYSTEM

CYCLONIC SEP.

TANKS

DRYERS

FILTERS

CARBON TOWERS

WATER/OIL SEPARATORS

AIR PIPELINE SYSTEM

MODULAR COMPRESSED AIR PIPING SYSTEM

Compresores JOSVAL offers a wide range of modular system aluminium tube for compressed air.

Pipes and fittings are available for all needs -vacuum, high pressure and low pressure- with diameters ranging from 20 mm to 160 mm.

For optimum performance and longer life of machines and tools, it is essential to have a good quality network designed and suited to the needs of each company.

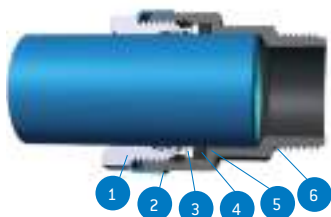
Apart from that, we are authorized installers, so once the installation is over, Compresores JOSVAL may provide the certificate of installation (CE), essential to legalize the network and pressure vessels.

BENEFITS:

- Energy saving.
- Highest quality aluminum.
- Easy, fast and safe installation.
- Instant connection.
- Increased air flow.
- High mechanical stress.
- Rust and corrosion free.
- Modular



TECHNICAL DETAILS			
Some technical characteristics	AIR	EMPTY	AIR (HIGH PRESSURE)
Standard colour	RAL 5012	RAL 7046	RAL 5017
Max working pressure	16 Bar	-10 mbar	30 - 40 - 70 Bar
Plant testing pressure 1 hour at 20°C	24 Bar	24 Bar	45 - 60 - 105 Bar
Quality testing pressure 1 hour at 20°C	64 Bar	64 Bar	120 - 160 - 280 Bar
Production tested percentage	1%	1%	100%
Continuous service temperature limit	From -20°C up to 100°C		
Peak max. working temperature	From -30°C up to 130°C		
Aluminium pipe mechanical resistance	According to EN-755-2/2008 standards		
Pipe material	Aluminium Alloy EN AW 6060-T5 s/regulation EN 755-2/2016		
Pipe thickness (mm)	Ø20-S1,0 / Ø25-S1,1 / Ø32-S1,2 Ø40-S1,3 / Ø50-S1,4 / Ø63-S1,8 Ø90-S2,0		
	Ø20-S2,0 / Ø25-S2,5 / Ø32-S3,0 / Ø40-S4,0 / Ø50-S5,0 / Ø63-6,0 (PN70) / Ø90-S3,0 / Ø110-S3,5 (PN40)		
Aluminium fittings material	Aluminium alloy EN AW 6061 T6		
O-ring & lip gasket material	NBR 65°/75° Shore A		
Clamp ring material	AISI 304 Stainless Steel		



1. Ring
2. Identification ring
3. Extruded aluminum tube calibrated and painted
4. Clamp ring (not present in Dn 50)
5. Fitting O-ring
6. Fitting body



1. By-pass
2. Blind
3. Washer
4. Allen screw
5. Plug seal
6. Plug
7. Seal
8. Washer (not present in all measures)
9. Fixation ring
10. Clamp nut



ENERGY+ SERIES (SCREW AND PISTON)

ENERGY+ series oils are formulated with high quality base oils and performance enhancing additives which increase oxidation resistance and ensure good wear and corrosion protection. ENERGY+ series oils offer unbeatable value for the money. Availability:

Piston compressors: 2 litres jug and 208 litres drum.

Screw compressors: 5 litres jug and 208 litres drum.



ACEITES SERIE FORTE ADVANCED (TORNILLO Y PISTÓN)

They meet the most stringent requirements of our customers. Manufactured from the highest quality mineral bases and a series of high performance additives to provide exceptional protection and reliability to the equipment. They guarantee an excellent protection against wear, reducing maintenance costs by minimizing problems, prolonging the useful life of the equipment.

JOSVAL Compressors, as a manufacturer, recommends the use of the Forte series, in those environments and/or particularly demanding jobs.

Availability:

Piston compressors: 1 litres jug.

Screw compressors: 5 litres jug and 20 litres drum.



GRAFENOIL SERIES

Latest generation oils for the GRAFENO series compressors, with advanced lubrication properties at high and low temperatures, reduced volatility, great stability against oxidation, and formulated for a long service life (4,000, 6,000 and 8,000 hours).

Availability: 20 liter jug (4.000 hours) and 18,9 liter (6.000 y 8.000 hours).



FOOD GRADE SERIES (SCREW AND PISTON)

NSF H1 approved oils are for screw and piston compressors, and are suitable for certain clinical and food applications.

Availability:

Piston compressors: 5 litres jug.

Screw compressors: 20 litres drum.

Why use original JOSVAL parts?

OIL FILTERS

The oil filter is a very important part to ensure the durability and performance of compressors. Its function is to collect suspended solids in the oil preventing premature wear of the moving parts such as airends or bearings.

ORIGINAL JOSVAL oil filters ensure greater efficiency in the removal of suspended solids with a minimum load loss and an optimized maintenance periods for each available air compressor.

ORIGINAL JOSVAL filters are specifically designed for each application to ensure the best results by using last generation filtration meshes, the right choice and sizing of the filter mesh, and exhaustive testing to ensure maximum efficiency, durability and reliability.

The use of aftermarket oil filters may mean small initial savings, but they can lead problems such as loss of performance, increased energy costs, increased temperature, unnecessary stops, and airend seizure due to the poor filtration which allows solids to mix with the oil.

All ORIGINAL JOSVAL filters are designed and manufactured to work with JOSVAL compressor airends, meeting the company standards set by the parent company in terms of filtration, oil pressure and oil volume, and providing better filtering and durability.



AIR/OIL SEPARATORS

The air/oil separator filter performs the important function of separating the oil droplets suspended in the compressed air and redirecting the separated oil back to the compressor lubrication circuit.

The ORIGINAL JOSVAL separator filters are made up of several layers, the thin separation layer, made of borosilicate microfibers, is responsible for the coalescence phenomenon, the small oil droplets agglutinate to form larger droplets that will be decanted by gravitational effect through a second polyester layer.

ORIGINAL JOSVAL separators have been specifically designed for each of the JOSVAL compressor ranges, thus guaranteeing the highest possible efficiency in air/oil separation in each of the brand's compressors.

ONLY ORIGINAL JOSVAL filters can guarantee maximum performance, reliability and durability of JOSVAL compressors.



AIR FILTERS

ORIGINAL JOSVAL air filters are designed to prevent the entry of suspended solids such as sand dust, carbon, cement, metallic dust and other impurities to the compressor.

These particles are harmful to the compressor, producing excessive wear on the lobes of the airends and decreasing the life of the bearings and other moving parts. Besides, when these particles are mixed with compressor oil they accelerate the deterioration of the lubricant.

ORIGINAL JOSVAL air filters avoid air particles to enter the compressor preventing the undesirable effects they may cause on the elements of the compressor.

ORIGINAL JOSVAL air filters are specifically designed to meet the clean air company standards, and they are the only ones which can guarantee the perfect functioning of JOSVAL compressors, maximum durability, reliability and energy efficiency.

ONLY ORIGINAL JOSVAL filters can ensure maximum performance and protection JOSVAL compressors.

Technical data and photos may be subject to change without notice and without any responsibility for JOSVAL, S.L. compressors.



MULTICONTROL

Energy consumption has increased significantly in recent years, and this increased use of energy resources on the part of companies has resulted in the need to be planning and taking measures to reduce costs.

For this reason it is advisable to make an intelligent use of energy, and for that purpose Compresores JOSVAL integrates its range of products called Multicontrol.

Multicontrol devices are used to fully integrate compressed air systems in the centers of production, optimizing the air generation and managing the key aspects of the system with detailed, easy-to-use information and very visual software.

Simply put, Multicontrol devices can be used to operate the air compressors in a more efficient manner and, furthermore, they allow you to control any compressor on the market.

For installations with multiple compressors, these products can reduce power consumption by up to 30 %, which translates into savings of up to thousands of Euros per year.

Energy is the most important factor in the total cost

of the compressor, and may represent more than 80% of the costs within the life cycle of the unit.

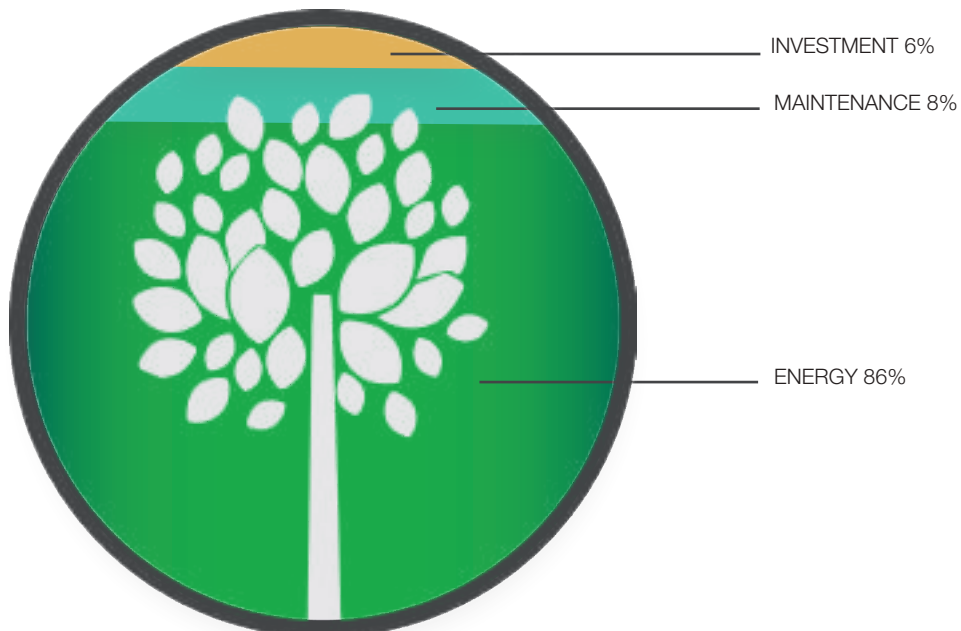
A customer who saves energy improves their “green credentials” and, most importantly, you can drastically reduce your energy costs.

For these reasons, it is very important to choose the

- Reduction of energy costs by up to 30%
- Carbon footprint reduction
- Reduction of CO2 emissions



right compressed air production system. By means of the aforementioned Multicontrols and the combined use of speed-controlled compressors, unnecessary consumption can be avoided when, for example, the compressors are operating without load.



Multicontrol units optimize the production of compressed air as the instantaneous consumption of the factory and get a stable pressure across the compressed air.

By controlling the air generation we get two main benefits: **extend the life** of the generating equipment and **get big energy savings**.

INVERTER devices already incorporated in some of our ranges as the control of compressor rooms generate immediate savings and are probably the most efficient solutions in the market.

A digital brain to optimize our generation of compressed air becomes the first measure to update

both old and new compressor rooms.

Compresores JOSVAL offers different models of these devices, what we called Multicontrol units, adapted to every need:

MULTICONTROL P4

Flexible and advanced control up to 4 fixed speed compressors.

MULTICONTROL SX

System control up to 12 compressors of different powers, fixed speed and variable speed.

MULTICONTROL XC

System control up to 24 compressors of different powers, fixed speed and variable speed, divided into different rooms.



Compatible with:

- Air compressors (any type)
- Dryers
- PLC's
- Drivers
- Inverters

FEATURES:

- Control of compressed air equipment.
- Automation of auxiliary equipment (drying, filtration, cooling, etc.)
- Device control (flow rate, pressure, temperature, etc.)
- Monitoring and access to the system.
- Browser accessible through control display.
- Report of system performance.
- Incident notice via email and SMS.
- Integration with Modbus, Profibus, DeviceNet, etc.
- Support for BMS integration.

HEAT RECOVERY SYSTEM

96% of the energy used to produce compressed air is reusable.

The compressor as a thermal machine, transforms the most of the energy it consumes into heat.

A heat recovery system improves the efficiency of a compressed air installation and reduces environmental impact by reducing greenhouse gas emissions.

JOSVAL offers and recommends its Heat Recovery System for that use. It allows to heat up water to a temperature of approximately 70°C. Then this hot water can support the heating system or be used as sanitary water.



HRS - HEAT RECOVERY SYSTEM

Code	Model	HP	Kw	Kg/h*	BSP Oil	BSP Agua	LxWxH mm	Kg
5750404	HRS-40	30-40	22-30	450	3/4"	1 1/4"	690x440x720	47
5750407	HRS-60	50-60	37-45	680	3/4"	1 1/4"	690x440x720	50
5750408	HRS-100	75-100	55-75	1150	3/4"	1 1/4"	690x440x720	61
5750409	HRS-150	125-150	90-110	1740	1"	2"	730x550x820	84

*Maximum amount of hot water (40°C) that can be produced per hour.

CONDENSATE DRAINS

It is essential to evacuate the condensate that is produced in any pneumatic installation to avoid possible breakdowns and corrosion problems.

TIMING ELECTRONIC DRAIN

Code	bar	BSP
5654020	16	1/2"



AUTOMATIC FLOAT-TYPE DRAIN

Code	bar	BSP
5654031	16	1/2"
5654032	16	3/4"



Capacitive drains of the DNL series ensure the evacuation of the condensate without loss of pressure, minimizing the energy consumption and optimizing the performance of the installation.

DNL - ELECTRONIC CAPACITIVE STEAM TRAP

Code	Model	m3/h (Compresor)	m3/h (Secador)	m3/h (Filtro)	Vol/Ph/Hz	bar	BSP
5654105	DNL-600	600	1200	6000	230/1/50-60	16	1/2"
5654106	DNL-6000	6000	12000	60000	230/1/50-60	16	1/2"







ALL CONTROL AT YOUR FINGERTIPS - TOUCH CONTROL BOARD.

Control system and Human Machine Interface (HMI) integrated in a 7" controller. The graphical representation of the system operation is easy, intuitive and versatile, offering values of more than 100 different parameters and, at the same time, allowing to easily consult the most representative values of the process (pressure, temperature, operating time, etc...). The touch controller also allows the INVERTER device to be operated, combining the entire compressor operation into a single control.

In addition to these operating functions, it offers the ability to operate in a MULTICONTROL function (up to 16 connected devices), and the ability to program its operation using its programmable internal clock, distinguishing between hours and days of the week.

The connectivity of the equipment allows communication with other equipment by means of MODBUS II protocol, being possible the remote control and visualization of the pressure equipment, both remotely (connection via TCP/IP) and locally (connection via common COM port). The data obtained through the MODBUS II protocol is easily integrated into SCADA systems, making it possible for our compressors to interact with other equipment present in an industry, allowing the management of an industrial plant in an integral manner.

- Control board incorporating:
 - + Rotor rotation direction control.
 - + Temperature measurement and control.
 - + Possibility of remote or local control.
 - + Language selection (Spanish/English).
 - + Multicontrol function (up to 16 compressors).
 - + Protection system against blocking, phase failure, short circuits, unbalance and overload of the electric motor.
 - + Control menu: start, stop and operation of the motor.
 - + Time programming (calendar).
 - + Pressure programming.
 - + SCADA integration.



ABREGO - CONTROL AND DATA ACQUISITION SOFTWARE

The ABREGO software allows compressors to be operated remotely in a simple and intuitive way. Thanks to its graphical interface, ABREGO allows an easy control of our compressors being able to operate in the equipment with high capacity of operation. Combined with management functions, it offers the necessary safety in industrial processes, where the correct interpretation of commands from the control station is crucial.

From Compresores JOSVAL we bet for ABREGO as a response to the increasing automation dominant in nowadays' market, and to the relocation of control centers with respect to production centers, offering in this way, the possibility of operating from a distance.



FEATURES:

- Possibility of displaying the selected parameters.
- Ability to operate on the equipment from the program.
- Ability to customize and adapt to customer needs.
- Capacity to create alarms and logs as required.

ONE STEP AHEAD

Compresores JOSVAL has the latest technology in remote control and management of pressure equipment, both remotely and locally.

With equipment such as the touch screen, parameters such as pressures, temperatures, maintenance, alarms, etc. can be easily managed.



GENERAL CONDITIONS OF SALE

This price list replaces and cancels all previous price lists and is valid until a new price list is published.

The prices of this price list do not include VAT.

Shipments will be made from our warehouses with postage and risk at the buyer's expense, as well as any return of the goods.

It is the buyer's obligation to thoroughly check the goods on receipt and check that they are in perfect condition, as well as notifying the carrier and Compresores JOSVAL, S.L. in writing of any damage suffered during transport within 24 hours of receipt. After this period, Compresores JOSVAL, S.L. will not accept any claim under the GUARANTEE for transport damage.

All goods will remain the property of Compresores JOSVAL, S.L. until such time as payment of the total amount stated on the invoice is confirmed. In the event that one or any of the agreed outstanding payments is not made, the transaction will be considered cancelled and Compresores JOSVAL, S.L. will be able to recover the product sold, keeping the amount of the payments received as compensation for the use of the product. If in the above case the product has suffered damage, the buyer will be responsible and must compensate Compresores JOSVAL, S.L. for this damage.

These conditions of sale may be subject to change without prior notice and will be understood to be fully accepted with the confirmation of the order.

Technical data and photos may be subject to change without prior notice and without any responsibility for Compresores JOSVAL, S.L.

GENERAL WARRANTY CONDITIONS

The warranty refers only to the faults or defects that may be attributable to the manufacturer, its period of validity being for 1 year from the date of sale of the machine.

The warranty does not cover any damages due to incorrect installation or improper maintenance of the equipment, which we have not addressed in the instructions expressed in the manufacturer's manual.

The warranty is declared null with any modification made to the compressor without the express permission of JOSVAL, and also, the use of non-original JOSVAL parts will result in the loss of warranty.

Not included in the warranty are the replacement of parts and materials due to wear or supplies (maintenance), as well as motors or other electrical/electronic components and electrical/electronic equipment.

Warranty claims must be filed immediately after the defect is observed, with a detailed written report of the defect.

All cost incurred by demands of the warranty which prove to be irrelevant, shall be assumed by the buyer.

Repairs covered by the warranty will be provided in our facilities, being that all costs associated with travel or transport are incurred by the customer.

Damaged parts or faulty items should be sent with postage paid to JOSVAL, who will then consider and determine whether or not the warranty claim is valid.

JOSVAL, when fulfilling a warranty claim, will decide to repair the defects or replace defective parts.

The parts replaced under warranty have a validity period of 4 months following their replacement.

This warranty excludes any condition that has not been expressly given.

AIR QUALITY (ISO 8573.1 classification)

Useful



CLASS	SOLIDS		WATER	OIL
	Max. Particle Size (micron)	Max. Solids Concentration (mg/m ³)	Max. PDP 7 bar (°C)	Max. Oild Content (mg/m ³)
1	0,1	0,1	-70	0,01
2	1	1	-40	0,1
3	5	5	-20	1
4	15	8	+3	5
5	40	10	+7	25
6	-	-	+10	-

EXAMPLE: Selecting an air purity class of 1, 2, 1 would specify the following conditions:

- 1 = solids filtration up to 0,1 micron and 0,1 mg/m³
- 2 = pressure dewpoint (PDP) of -40°C
- 1 = oil filtration up to 0,01 mg/m³

This case would refer to the air in touch with food or packaging in touch with food.

ISO 9001 - QUALITY MANAGEMENT SYSTEM CERTIFICATION





COMPRESORES

JOSVAL

DELEGATIONS

HEADQUARTERS

Pol. Ind. Malpica, c/ F, 50
50016 Zaragoza (Spain)
Tel. +34 976 57 14 26
info@compresoresjosval.com

CENTER

Calle Mar Tirreno 8, Nave A-4
28830 San Fernando de Henares
centro@compresoresjosval.com

LOGISTICS CENTER

Pol. Ind. Malpica, c/ E, Nave 36
50016 Zaragoza (Spain)
info@compresoresjosval.com

CATALUÑA

Pol. Ind. A7 Llinars Park Avda. del Mogent
238-240 08450 Llinars del Valles
ventascatalunya@compresoresjosval.com

AIR ATTRACTION^{JVL}

www.compresoresjosval.com

