



# CIERZO

CATALOGUE 2023

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COMPRESORES  
**JOSVAL**

Desde 1.958

# COMPRESORES JOSVAL

Based on the enterprising character of the founders of our company and their spirit of cooperation, at the end of the 70s, Compresores JOSVAL decided to incorporate into our catalogue simpler and more practical compressor ranges from European partners who took over the DIY and hobby market thanks to the opening of borders and the end of import tariffs.

Today, in a global market in which there are no distances, we have added to our proposal the best Partners from all over the world, resulting in a complete DIY, Professional and Industrial Line united under our commercial brand CIERZO, maintaining the same premise as always: to provide each market with the right solution.

Our CIERZO catalogue includes Piston Compressors and Screw Compressors which are probably the best value for money on the market, including a series of articles necessary for a correct and complete treatment of compressed air such as: Cyclone Separators, Refrigeration Dryers, Air Tanks, Network Filters, Condensate Drains, as well as different complements and accessories for the consumption points.



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Piston compressors now account for almost 80% of global sales worldwide. CIERZO piston compressors have become an indispensable tool for customers who appreciate their ease of installation, ease of operation, and especially their reliability and economical maintenance.

The CIERZO series comprises the most competitive range of piston compressors. Focused primarily on hobby or semi-professional use, they are the perfect solution for those who are looking for an economical compressor while maintaining the highest level of quality.

**HOBBY**

**CONSUMER**

**PROFESSIONAL**

**MOTOR DRIVEN**

**HEADS**



CIERZO COMPRESORES  
**JOSVAL**





ASSENTO



TRENDY EVO



Air flow according to standard ISO 1217.



## SINGLE-PHASE - oil-free



| Code    | Model      | Motor |     | Lts | Cil./Et. | Air Flow |      | r.p.m. | LxWxH<br>mm | Kg.  |
|---------|------------|-------|-----|-----|----------|----------|------|--------|-------------|------|
|         |            | HP    | Kw  |     |          | l/m      | m³/h |        |             |      |
| 5073114 | TRENDY EVO | 1,5   | 1,1 | 6   | 1/1      | 160      | 9,6  | 2450   | 380x300x520 | 11,5 |
| 5073116 | ASSENTO    | 1,5   | 1,1 | 6   | 1/1      | 160      | 9,6  | 2450   | 380x320x480 | 10,5 |

## SINGLE-PHASE



| Code    | Model  | Motor |     | Lts | Cil./Et. | Air Flow |      | r.p.m. | LxWxH<br>mm | Kg. |
|---------|--------|-------|-----|-----|----------|----------|------|--------|-------------|-----|
|         |        | HP    | Kw  |     |          | l/m      | m³/h |        |             |     |
| 5083027 | NK-25  | 2     | 1,5 | 25  | 1/1      | 202      | 12,1 | 2800   | 610x280x560 | 26  |
| 5083057 | NK-50  | 2     | 1,5 | 50  | 1/1      | 202      | 12,1 | 2800   | 740x370x700 | 31  |
| 5093058 | NKV-50 | 3     | 2,2 | 50  | 2/1      | 357      | 21,4 | 2800   | 820x360x650 | 44  |

Compressors with a maximum pressure of 8 bar are factory set to a standard pressure of 6 bar minimum and 8 bar maximum.



## CHARACTERISTICS

- Cast iron cylinder for extended life and performance.
- Generously dimensioned fins for increased cooling.
- Double-supported cast iron crankshaft for greater stability.
- Reed valve plate with multiple air passages for increased air flow.
- Oversized pulley for optimum head cooling.
- High efficiency air filter.
- Low R.P.M. operation with low noise level.
- Pressure switch with thermostat (three-phase models only).
- End cooling manifold for improved thermal efficiency.



Pressure regulator with pressure gauge and connection with quick coupling (wheeled models).



Available in legs version

### SINGLE-PHASE

Belt drive



| Code    | Model             | HP | Kw  | Lts | Cil./Et. | l/m | m <sup>3</sup> /h | r.p.m. | LxWxH<br>mm   | Kg  |
|---------|-------------------|----|-----|-----|----------|-----|-------------------|--------|---------------|-----|
| 5081062 | C-2/50M           | 2  | 1,5 | 50  | 2/1      | 261 | 15,6              | 1240   | 1010x360x730  | 50  |
| 5081072 | C-2/100M          | 2  | 1,5 | 90  | 2/1      | 261 | 15,6              | 1240   | 1100x400x830  | 62  |
| 5090022 | C-3/25M-AUT *     | 3  | 2,2 | 25  | 2/1      | 360 | 21                | 1500   | 740x320x660   | 39  |
| 5090052 | C-3/50M           | 3  | 2,2 | 50  | 2/1      | 360 | 21                | 1500   | 1010x360x730  | 52  |
| 5090072 | C-3/100M          | 3  | 2,2 | 90  | 2/1      | 360 | 21                | 1500   | 1100x400x830  | 64  |
| 5091066 | C-3/150M          | 3  | 2,2 | 150 | 2/1      | 360 | 21                | 1500   | 1360x540x1060 | 90  |
| 5090082 | C-3/200M - wheels | 3  | 2,2 | 200 | 2/1      | 360 | 21                | 1500   | 1460x640x1140 | 106 |
| 5091086 | C-3/200M - legs   | 3  | 2,2 | 200 | 2/1      | 360 | 21                | 1500   | 1420x470x1040 | 106 |

\*AUTO: equipped with automatic valve, especially for painting or stippling.

Compressors with a maximum pressure of 10 bar are factory set at a standard pressure of 6 bar minimum and 8 bar maximum.



## SINGLE-PHASE - VERTICAL TANK

Belt drive



| Code    | Model     | HP | Kw  | Lts | Cil./Et. | l/m | m³/h | r.p.m. | LxWxH<br>mm  | Kg |
|---------|-----------|----|-----|-----|----------|-----|------|--------|--------------|----|
| 5091176 | C-V3/100M | 3  | 2,2 | 90  | 2/1      | 350 | 21   | 1500   | 510x510x1150 | 55 |



C-V3/100M



C-3/200



C-3/50M



### CHOOSE COMFORT AT YOUR WORKSTATION (200 lt. models)



Wheels



Legs

C-2/100 M



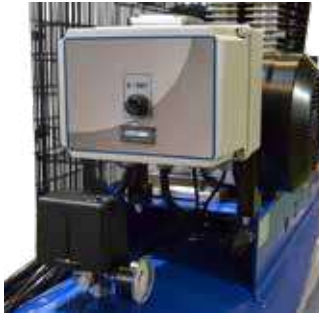
## TRIPHASIC

Belt drive



| Code    | Model            | HP | Kw  | Lts | Cil./Et. | l/m | m³/h | r.p.m. | LxWxH<br>mm   | Kg  |
|---------|------------------|----|-----|-----|----------|-----|------|--------|---------------|-----|
| 5181073 | C-2/100          | 2  | 1,5 | 90  | 2/1      | 261 | 15,6 | 1240   | 1100x400x830  | 62  |
| 5191056 | C-3/50           | 3  | 2,2 | 50  | 2/1      | 360 | 21   | 1500   | 1010x360x730  | 52  |
| 5191067 | C-3/150          | 3  | 2,2 | 150 | 2/1      | 360 | 21   | 1500   | 1360x540x1060 | 90  |
| 5191183 | C-3/200 - ruedas | 3  | 2,2 | 200 | 2/1      | 360 | 21   | 1500   | 1460x640x1140 | 106 |
| 5191187 | C-3/200 - patas  | 3  | 2,2 | 200 | 2/1      | 360 | 21   | 1500   | 1420x470x1040 | 106 |

Compressors with a maximum pressure of 10 bar are factory set to a standard pressure of 6 bar minimum and 8 bar maximum.



Star-delta starter (Y-Δ) with integrated hourmeter



C-10/500-A

### THREE-PHASE

Belt drive



| Code    | Model           | HP    | Kw    | Lts | Cil./Et. | l/m   | m <sup>3</sup> /h | r.p.m. | LxWxH<br>mm   | Kg  |
|---------|-----------------|-------|-------|-----|----------|-------|-------------------|--------|---------------|-----|
| 5209196 | C-4/270         | 4     | 3     | 270 | 2/2      | 500   | 30                | 980    | 1710x620x1300 | 156 |
| 5219078 | C-5,5/100       | 5,5   | 4     | 90  | 2/2      | 612   | 36,7              | 1200   | 1150x550x900  | 112 |
| 5219199 | C-5,5/270       | 5,5   | 4     | 270 | 2/2      | 612   | 36,7              | 1200   | 1710x620x1300 | 167 |
| 5229079 | C-7,5/100       | 7,5   | 5,5   | 90  | 2/2      | 820   | 49,2              | 1200   | 1200x800x1300 | 135 |
| 5229070 | C-7,5/100-AUT*  | 7,5   | 5,5   | 90  | 2/2      | 820   | 49,2              | 1200   | 1200x800x1300 | 145 |
| 5229199 | C-7,5/270       | 7,5   | 5,5   | 270 | 2/2      | 820   | 49,2              | 1200   | 1710x620x1300 | 171 |
| 5229195 | C-7,5/270-A**   | 7,5   | 5,5   | 270 | 2/2      | 820   | 49,2              | 1200   | 1710x620x1300 | 173 |
| 5229219 | C-7,5/500       | 7,5   | 5,5   | 500 | 2/2      | 820   | 49,2              | 1200   | 1980x700x1500 | 231 |
| 5229225 | C-7,5/500-A**   | 7,5   | 5,5   | 500 | 2/2      | 820   | 49,2              | 1200   | 1980x700x1500 | 236 |
| 5239209 | C-10/270-AW**** | 10    | 7,5   | 270 | 2/2      | 1230  | 73,8              | 1250   | 1570x650x1280 | 160 |
| 5239219 | C-10/500        | 10    | 7,5   | 500 | 2/2      | 1230  | 73,8              | 1250   | 1980x700x1500 | 269 |
| 5239225 | C-10/500-A**    | 10    | 7,5   | 500 | 2/2      | 1230  | 73,8              | 1250   | 1980x700x1500 | 277 |
| 5219208 | C-5,5/500-D***  | 2x5,5 | 2x4   | 500 | 4/2      | 2x612 | 2x36,7            | 1200   | 2000x650x1350 | 278 |
| 5229209 | C-7,5/500-D***  | 2x7,5 | 2x5,5 | 500 | 4/2      | 2x820 | 2x49,2            | 1200   | 2000x650x1350 | 298 |

A: star-delta starter (Y-Δ) \*AUT: equipped with automatic valve \*D: duplex \* \*\*\*\*AW: special tank width



C-5,5/270

C-V5,5/270



### THREE-PHASE - VERTICAL TANK

BELT DRIVE



| Code    | Model      | HP  | Kw | Lts | Cil./Et. | l/m | m <sup>3</sup> /h | r.p.m. | LxWxH<br>mm  | Kg  |
|---------|------------|-----|----|-----|----------|-----|-------------------|--------|--------------|-----|
| 5219248 | C-V5,5/270 | 5,5 | 4  | 270 | 2/2      | 612 | 36,7              | 1200   | 820x600x1840 | 131 |

Compressors with a maximum pressure of 10 bar are factory set at a standard pressure of 6 bar minimum and 8 bar maximum.



The most complete and efficient solution for those applications where there is no power supply (mobile workshops, agricultural activities, etc.). In addition, and thanks to their pneumatic wheels and the wide axle that separates them, they are ideal for their displacement.

## CHARACTERISTICS

Up to 21% reduction in fuel consumption and CO2 emissions from combustion, thanks to optimised transmissions. No loss of CHARACTERISTICS, maximising performance.



C-9/100G

C-9/100G



C-13/300G AEB 2E

The tanks incorporated in these compressors are manufactured in accordance with European directives 2014/29/EU-. 2014/68/EU.

### MOTOR DRIVEN - C

**HONDA**



| Code    | Model            | HP | Model  | Lts | Cil./Et. | l/m  | m <sup>3</sup> /h | bar | r.p.m. | LxWxH<br>mm   | Kg  |
|---------|------------------|----|--------|-----|----------|------|-------------------|-----|--------|---------------|-----|
| 5217018 | C-5/22G          | 5  | GP160  | 22  | 2/1      | 290  | 17,4              | 10  | 1260   | 710x490x850   | 46  |
| 5237024 | C-9/100G 2E      | 9  | GX 270 | 90  | 2/2      | 612  | 36,7              | 14  | 1200   | 1170x700x1140 | 140 |
| 5237027 | C-9/100G AEB 2E  | 9  | GX 270 | 90  | 2/2      | 612  | 36,7              | 14  | 1200   | 1170x700x1140 | 150 |
| 5247197 | C-13/300G AEB 2E | 13 | GX 390 | 300 | 2/2      | 1230 | 73,8              | 14  | 1250   | 1710x720x1300 | 231 |

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

Compressors with a maximum pressure of 10 bar are factory set to a standard pressure of 6 bar minimum and 8 bar maximum.

Compressors with a maximum pressure of 14 bar are factory set to a standard pressure of 10 bar minimum and 12 bar maximum.

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

## CHARACTERISTICS MOBIL C SERIES

- Special mobile workshops.
- Honda petrol engine.
- Battery electric starter (included in all models).
- Smoke evacuation pipe (Models 13HP).
- High performance electric generator (Models SINGLE and TOP-SH-).
- 50 litre capacity tank.
- Four outlets with quick connector:
  - 1x Direct for universal connector.
  - 1x Direct for 3/8" connector.
  - 1x Regulated and filtered for universal connector.
  - 1x Regulated, filtered and greased for 3/8" threaded connector.
- Ergonomic design ideal for vans and mobile workshops.



MOBIL TOP-C



MOBIL POTENZA-C



MOBIL EASY-C 2E

**TOP Models with 13HP** engine can be manufactured with single phase 6kVa or mixed 2kVa single phase and 7kVa THREE-PHASE generator.



Optional idle function.



MOBIL SINGLE-C 2E

### MOTOR DRIVEN MOBIL - C SERIES

**HONDA**  14 bar

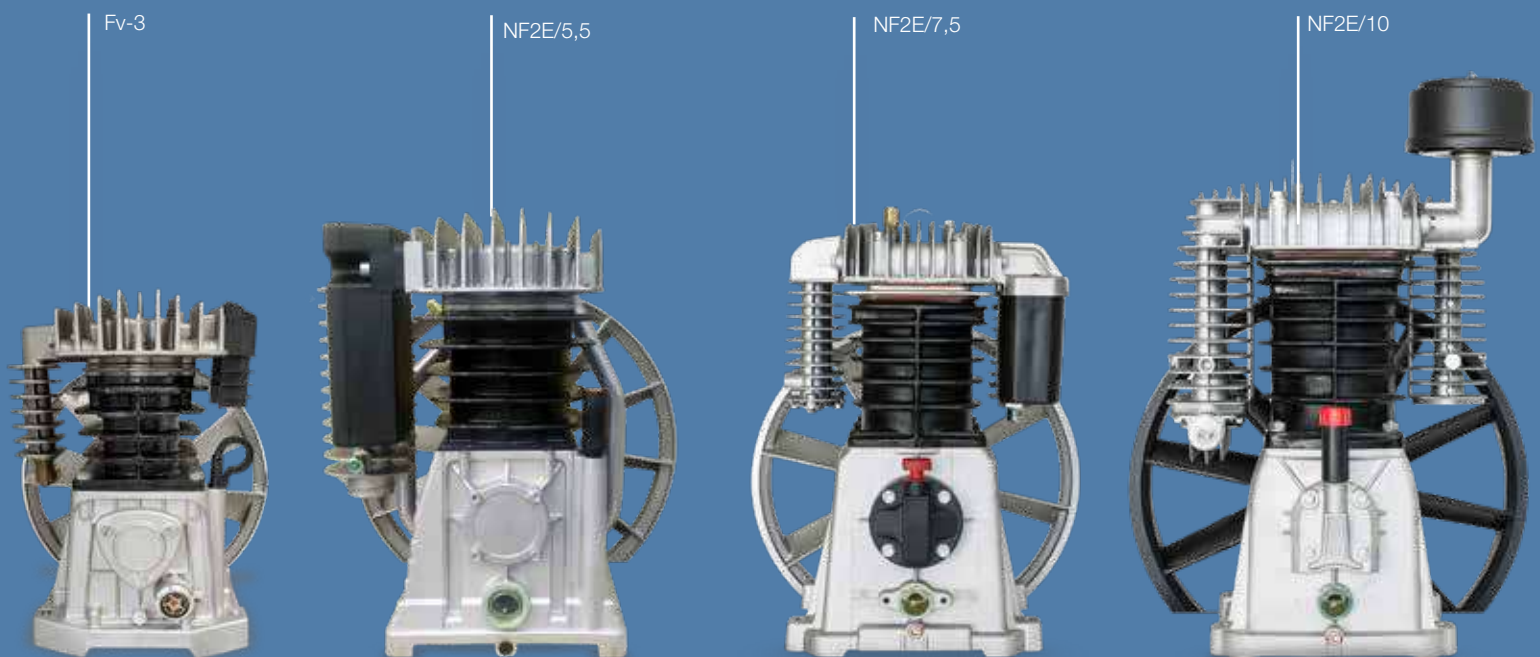
| Code      | Model                    | HP | Model | Vol/Kva         | Lts | Cil./Et. | l/m  | m <sup>3</sup> /h | bar | LxWxH<br>mm  | Kg  |
|-----------|--------------------------|----|-------|-----------------|-----|----------|------|-------------------|-----|--------------|-----|
| 5237055   | MOBIL EASY-C 2E          | 9  | GX270 | -               | 50  | 2/2      | 612  | 36,7              | 14  | 1130x500x935 | 170 |
| 5237058   | MOBIL SINGLE-C 2E        | 9  | GX270 | 230M/2          | 50  | 2/2      | 612  | 36,7              | 14  | 1200x500x980 | 215 |
| 5257055   | MOBIL POTENZA-C -SH-     | 13 | GX390 | -               | 50  | 2/2      | 1230 | 73,8              | 14  | 1300x500x960 | 205 |
| 5257057   | MOBIL TOP-C -SH-         | 13 | GX390 | 230M/2 - 400T/7 | 50  | 2/2      | 1230 | 73,8              | 14  | 1200x500x980 | 220 |
| 5257057SP | MOBIL TOP-C -SH- 6KVA II | 13 | GX390 | 230M/6          | 50  | 2/2      | 1230 | 73,8              | 14  | 1200x500x980 | 220 |

Compressors with a maximum pressure of 14 bar are factory set to a standard pressure of 10 bar minimum and 12 bar maximum.

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

## CHARACTERISTICS

- Cast iron cylinder for extended life and performance.
- Generously dimensioned fins for increased cooling.
- Double-supported cast iron crankshaft for stability.
- Lamella valve plate with multiple air passages for increased air flow.
- Robust, lightweight pulley for optimum head cooling.
- High efficiency air filter.
- Low RPM operation with low noise level.
- End cooling manifold for improved thermal performance.



## HEADS



| Code    | Model    | HP  | Kw  | Cil./Et. | l/m  | m <sup>3</sup> /h | aceite (l) | bar | r.p.m. | LxWxH<br>mm | Kg |
|---------|----------|-----|-----|----------|------|-------------------|------------|-----|--------|-------------|----|
| 5607184 | Fv-2     | 2   | 1,5 | 2/1      | 261  | 9,6               | 0,4        | 10  | 1240 * | 300x240x360 | 11 |
| 5607194 | Fv-3     | 3   | 2,2 | 2/1      | 360  | 21,6              | 0,4        | 10  | 1500 * | 350x300x400 | 12 |
| 5605203 | NF2E/5,5 | 5,5 | 4   | 2/2      | 612  | 36,7              | 1,6        | 10  | 1200 * | 360x400x540 | 24 |
| 5605225 | NF2E/7,5 | 7,5 | 5,5 | 2/2      | 820  | 49,2              | 1,3        | 10  | 1200 * | 360x400x540 | 26 |
| 5605235 | NF2E/10  | 10  | 7,5 | 2/2      | 1230 | 73,8              | 1,5        | 10  | 1250 * | 400x510x620 | 54 |

\* recommended r.p.m.



With the 4UATTRO C and DIVERSSO series, Compresores Josval offers a creative and functional solution for those cases where a very low noise level and/or limited space is required.

**4UATTRO C**

**DIVERSSO**





## CHARACTERISTICS

- High output, reliable, compact and robust compressor.
- Easy accessibility. Economical maintenance.
- Rotation direction control relay.
- Double electric fan for thermal evacuation. Triple electric fan on 10HP models.
- Alarm indicator light for direction of rotation control and fan malfunction.
- Thermostat for fan control.
- Analogue working hours counter.
- Teflon connection pipe.
- Pressure control tube (models without tank).
- Three versions available: floor standing, with tank and with tank and dryer.
- With cabin pre-filter (double filtration).



### 4UATTRO - C SERIES



| Code    | Model            | HP  | Kw  | Ph | Lts | Cil./Et. | l/m  | m <sup>3</sup> /h | r.p.m. | dB (A) | LxWxH<br>mm   | Kg  |
|---------|------------------|-----|-----|----|-----|----------|------|-------------------|--------|--------|---------------|-----|
| 5098043 | 4UATTRO C3M      | 3   | 2,2 | 1  | -   | 2/1      | 360  | 19,8              | 1500   | 63     | 655x530x660   | 75  |
| 5098283 | 4UATTRO C3M/150  | 3   | 2,2 | 1  | 150 | 2/1      | 360  | 19,8              | 1500   | 63     | 950x530x1210  | 117 |
| 5198043 | 4UATTRO C3       | 3   | 2,2 | 3  | -   | 2/1      | 360  | 19,8              | 1500   | 63     | 655x530x660   | 75  |
| 5198283 | 4UATTRO C3/150   | 3   | 2,2 | 3  | 150 | 2/1      | 360  | 19,8              | 1500   | 63     | 950x530x1210  | 117 |
| 5218046 | 4UATTRO C5,5     | 5,5 | 4   | 3  | -   | 2/2      | 612  | 36,7              | 1200   | 65     | 855x653x730   | 150 |
| 5218246 | 4UATTRO C5,5/270 | 5,5 | 4   | 3  | 270 | 2/2      | 612  | 36,7              | 1200   | 65     | 1170x653x1370 | 230 |
| 5228043 | 4UATTRO C7,5     | 7,5 | 5,5 | 3  | -   | 2/2      | 820  | 49,2              | 1200   | 68     | 855x653x730   | 153 |
| 5228243 | 4UATTRO C7,5/270 | 7,5 | 5,5 | 3  | 270 | 2/2      | 820  | 49,2              | 1200   | 68     | 1170x653x1370 | 233 |
| 5228203 | 4UATTRO C7,5/500 | 7,5 | 5,5 | 3  | 500 | 2/2      | 820  | 49,2              | 1200   | 68     | 1930x700x1480 | 393 |
| 5238043 | 4UATTRO C10      | 10  | 7,5 | 3  | -   | 2/2      | 1230 | 73,8              | 1250   | 69     | 885x700x900   | 195 |
| 5238213 | 4UATTRO C10/500  | 10  | 7,5 | 3  | 500 | 2/2      | 1230 | 73,8              | 1250   | 69     | 1930x700x1480 | 435 |

Compressors with a maximum pressure of 10 bar are factory set to a standard pressure of 6 bar minimum and 8 bar maximum.

## RECOMMENDED AND OPTIONAL



**BY-PASS KIT** includes **EDS By-Pass dryer + mains pre-filter + electronic timed drain + stopcock + set of fittings for correct assembly.**

| Code    | Model       |
|---------|-------------|
| 9110050 | Kit by-pass |

Air flow according to ISO 1217

Noise level according to CAGI-PNEUROP test code, measured outdoors at a distance of 1m.

Los depósitos que incorporan estos compresores están fabricados según las directivas europeas 2014/29/EU-2014/68/EU.



Pressure Control Tube  
Direct connection to air circuit.



4UATTRO C10/500 -EDS-

## 4UATTRO - C SERIES (WITH DRYER)



| Code    | Model                  | HP  | Kw  | Ph | Lts | Cil./Et. | l/m  | m³/h | r.p.m. | dB (A) | LxWxH         | Kg  |
|---------|------------------------|-----|-----|----|-----|----------|------|------|--------|--------|---------------|-----|
|         |                        |     |     |    |     |          |      |      |        |        | mm            |     |
| 5098183 | 4UATTRO C3M/200 -EDS-  | 3   | 2,2 | 1  | 200 | 2/1      | 360  | 19,8 | 1500   | 63     | 1380x530x1220 | 154 |
| 5198183 | 4UATTRO C3/200 -EDS-   | 3   | 2,2 | 3  | 200 | 2/1      | 360  | 19,8 | 1500   | 63     | 1380x530x1220 | 154 |
| 5218214 | 4UATTRO C5,5/500 -EDS- | 5,5 | 4   | 3  | 500 | 2/2      | 612  | 36,7 | 1200   | 65     | 1930x653x1370 | 297 |
| 5228213 | 4UATTRO C7,5/500 -EDS- | 7,5 | 5,5 | 3  | 500 | 2/2      | 820  | 49,2 | 1200   | 68     | 1930x700x1480 | 300 |
| 5238215 | 4UATTRO C10/500 -EDS-  | 10  | 7,5 | 3  | 500 | 2/2      | 1230 | 73,8 | 1250   | 69     | 1930x700x1480 | 461 |

Compressors with a maximum pressure of 10 bar are factory set to a standard pressure of 6 bar minimum and 8 bar maximum.





DIVERSSO compressors have been manufactured as a solution for those cases where a very low noise level is required in a reduced space.

As a differential factor, the compressor head stands out for its high reliability, quality and high capacity, reaching up to 14 bar.

In addition, a complete star-delta starter is included to avoid high consumption at the start of each manoeuvre (5.5 and 10 HP models).

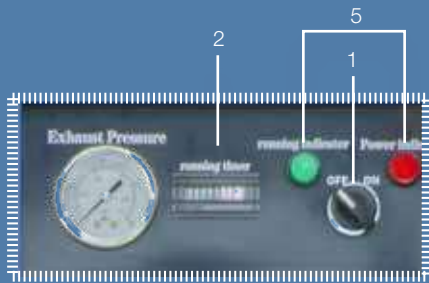


## CHARACTERISTICS

- V-belt drive ensuring greater reliability and stability.
- On - off push buttons (1).
- Pressure switch.
- Thermostat for fan control.
- Glycerine pressure gauge.
- Analogue working hours counter (2).
- Sound-absorbing fairing.
- Special anti-vibration rubber pads.



- Pressure stabiliser tank for correct pressure switch reading (3).
- Thermal evacuation fans (4).
- Indicator lights (5).
- Rear cooler that improves and facilitates the operation of the air filters and dryers (6).
- Cabin air inlet pre-filters to extend the life of the compressor parts (7).
- Automatic belt tensioner (8).
- CLASSIC JOSVAL head.



**DIVERSSO**



| Code    | Model             | HP  | Kw  | Ph | Cil./ Et. | l/m  | m³/h | r.p.m. | dB (A) | LxWxH mm    | Kg  |
|---------|-------------------|-----|-----|----|-----------|------|------|--------|--------|-------------|-----|
| 5198054 | DIVERSSO 3        | 3   | 2,2 | 3  | 2/2       | 310  | 18,6 | 900    | 66     | 750x550x805 | 112 |
| 5218054 | DIVERSSO 5,5 -YA- | 5,5 | 4   | 3  | 2/2       | 600  | 36   | 900    | 70     | 800x600x850 | 150 |
| 5238054 | DIVERSSO 10 -YA-  | 10  | 7,5 | 3  | 2/0       | 1050 | 63   | 900    | 70     | 950x650x920 | 165 |

**RECOMMENDED AND OPTIONAL**

**Saturation indicator:**

Marks the need for cartridge replacement. Also available in version with differential pressure gauge. Code: 5679702



**Automatic condensate drain:**

Code 5679701



OFFICIAL SERVICE  
JOSVAL  
**INSTALLATION  
LEGALISATION**  
JOSVAL  
OFFICIAL SERVICE

SOUNDPROOFED COMPRESSOR

ALUMINIUM PIPE

SCC CYCLONE SEPARATOR

VERTICAL TANK DV 500

PREFILTER 5 µ

Particle FILTERS >1 µ + >0,01 µ

DRYER REFRIGERATOR

ACTIVE CARBON FILTER



Automatic condensate drain



## ENERGY+ SERIES OILS

Oil manufactured from selected base oils 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. The Energy+ series offers unbeatable value for money. Formats available: 2 litre carafe and 208 litre drum.



## FORTE SERIES OILS

Meet the most stringent requirements of our customers. Manufactured from the highest quality mineral base stocks and a range of high performance additives to provide exceptional equipment protection and reliability. They guarantee excellent protection against wear and tear, reducing maintenance costs by minimising problems and extending the useful life of the equipment. JOSVAL Compressors, as the manufacturer, recommends the use of the Forte series in particularly demanding environments and/or jobs. Available formats: 2 litre carafe.



## FOOD GRADE SERIES OILS

Oils designed and manufactured under NSF H1 requirements, intended for piston compressors in certain clinical and food applications. Formats available: 5 litre carafe.



## MAINTENANCE

## INTERVALS FOR PISTON COMPRESSORS

| Operation                   | Before 1st start-up | Weekly | Monthly | Every 250h or 6 months | Every 500h or annually |
|-----------------------------|---------------------|--------|---------|------------------------|------------------------|
| Oil level review            | ●                   | ●      |         |                        |                        |
| Direction of rotation check | ●                   |        |         |                        |                        |
| Electric conexions adjust   | ●                   |        |         |                        |                        |
| Drain tank                  |                     | ●      |         |                        |                        |
| Belt tensioning check       |                     |        |         | ●                      |                        |
| Valve cleaning              |                     |        |         | ●                      |                        |
| Suction filter cleaning     |                     |        | ●       |                        |                        |
| Cabin cleaning              |                     |        |         | ●                      |                        |
| Suction filter replacement  |                     |        |         | ●                      |                        |
| Oil replacement             |                     |        |         |                        | ●                      |
| Overall compressor revision |                     |        |         |                        | ●                      |



CIERZO screw compressors incorporate the last technological advances and they ensure a constant compressed air high quality supply, minimizing energy and lubricant consumption. Its reduced size minimize the necessary space for its installation.

The design of this compressors guarantees an easy access to the service points and its reduced number of moving parts further improve the maintenance costs.

## CIERZO SCR

## BANDAMA



## CHARACTERISTICS

- Compact, robust, reliable and soundproofed screw compressor.
  - Easy accessibility. Economical to maintain.
  - Belt drive up to 20HP.
  - Direct drive from 30HP.
  - Low R.P.M. operation.
  - Y-Δ star-delta starter (from 5,5HP).
  - Variable speed drive from 10HP (optional).
  - Intake valve with solenoid valve.
  - Temperature sensor.
  - Emergency stop button (2).
- TOUCH CONTROL BOARD (1) 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).
    - + Programming by pressure.
    - + Integration in SCADA.



## STAR DELTA STARTER INVERTER

The star-delta start is the recommended method for starting a THREE-PHASE motor from power ratings equal to or greater than 5.5hp, given that the current consumed by the motor during start-up is reduced, making it easier to start the compressor.

To guarantee the best energy efficiency, the incorporation of a variable speed drive is recommended. 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 its production. Our CIERZO SCR compressors optionally incorporate variable speed drives from 10hp upwards, providing low mechanical stress without sudden starts or stops, while guaranteeing significant energy savings.



# CIERZO SCR

## SMALL & MEDIUM INDUSTRY - BELT DRIVE SYSTEM

CIERZO SCR compressors driven by belt system have been designed to meet the demands of maximum efficiency and reliability, minimizing the maintenance costs. This series is orientated to small and medium enterprises where the air consumption is needed to be continuous, in special automotive workshops, paint booths and services.

### CONTROL AND INSTRUMENTATION



- V-belt drive ensures greater reliability and stability.
- Automatic tensioner that guarantees transmission without losses.
- Control board integrated in SCADA, programmable... by calendar and pressures.
- Electric fan.
- High precision pressure sensor.
- Steel piping.



### HEAD COMPRESSOR

The rotors are the key element to produce air efficiently. Our compressor unit uses a 5-lobe male rotor (driver) and a 6-lobe female rotor (driven). These rotors guarantee higher air production, robustness and reliability.

The large rotors are designed to operate at lower RPMs and deliver compressed air more efficiently than smaller rotors. This results in significant energy savings and longer rotor life.



### ELECTRIC MOTOR

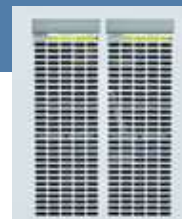
All motors in the CIERZO SCR series are IE3 high-efficiency, IP55 protected and F-insulated. The optimised design of both the fan and the housing ensures optimum cooling and quiet operation. The cast iron housings make it easy to assemble the motor with the other components.



Integratable control board



Air-oil cooler



Pre-filter grids



Belt tensioner



### CIERZO SCR 10 BAR DIRECT START



| Code    | Model                 | Motor |     | Ph | Lts | Flow |      | bar | dB (A) | BSP | LxWxH<br>mm   | Kg  |
|---------|-----------------------|-------|-----|----|-----|------|------|-----|--------|-----|---------------|-----|
|         |                       | HP    | Kw  |    |     | l/m  | m³/h |     |        |     |               |     |
| 5195302 | CIERZO SCR 3M         | 3     | 2,2 | 1  | -   | 270  | 16,2 | 10  | 58     | ½"  | 580x480x760   | 87  |
| 5195322 | CIERZO SCR 3M-150     | 3     | 2,2 | 1  | 150 | 270  | 16,2 | 10  | 58     | ½"  | 950x520x1380  | 129 |
| 5195332 | CIERZO SCR 3M-200 EDS | 3     | 2,2 | 1  | 200 | 270  | 16,2 | 10  | 58     | ½"  | 1380x500x1320 | 166 |
| 5195303 | CIERZO SCR 3          | 3     | 2,2 | 3  | -   | 290  | 17,4 | 10  | 58     | ½"  | 580x480x760   | 87  |
| 5195323 | CIERZO SCR 3-150      | 3     | 2,2 | 3  | 150 | 290  | 17,4 | 10  | 58     | ½"  | 950x520x1380  | 129 |
| 5195337 | CIERZO SCR 3-200 EDS  | 3     | 2,2 | 3  | 200 | 290  | 17,4 | 10  | 58     | ½"  | 1380x500x1320 | 166 |

M = Single-phase versions

### CIERZO SCR (WITHOUT TANK) 10 BAR STAR DELTA START (-YA-)



| Code    | Model               | Motor |     | Ph | Lts | Flow |       | bar | dB (A) | BSP | LxWxH<br>mm    | Kg  |
|---------|---------------------|-------|-----|----|-----|------|-------|-----|--------|-----|----------------|-----|
|         |                     | HP    | Kw  |    |     | l/m  | m³/h  |     |        |     |                |     |
| 5215303 | CIERZO SCR 5,5 -YA- | 5,5   | 4   | 3  | -   | 500  | 30    | 10  | 60     | ½"  | 580x480x800    | 130 |
| 5225303 | CIERZO SCR 7,5 -YA- | 7,5   | 5,5 | 3  | -   | 750  | 45    | 10  | 63     | ¾"  | 960x880x1060   | 214 |
| 5235305 | CIERZO SCR 10 -YA-  | 10    | 7,5 | 3  | -   | 1010 | 60,6  | 10  | 70     | ¾"  | 960x880x1060   | 239 |
| 5255305 | CIERZO SCR 15 -YA-  | 15    | 11  | 3  | -   | 1260 | 75,6  | 10  | 68     | 1"  | 1000x1000x1150 | 292 |
| 5265305 | CIERZO SCR 20 -YA-  | 20    | 15  | 3  | -   | 1960 | 117,6 | 10  | 70     | 1"  | 1000x1000x1150 | 321 |

### CIERZO SCR (WITH TANK) 10 BAR STAR DELTA START (-YA-)



| Code    | Model                   | Motor |     | Ph | Lts | Flow |       | bar | dB (A) | BSP | LxWxH<br>mm    | Kg  |
|---------|-------------------------|-------|-----|----|-----|------|-------|-----|--------|-----|----------------|-----|
|         |                         | HP    | Kw  |    |     | l/m  | m³/h  |     |        |     |                |     |
| 5215323 | CIERZO SCR 5,5-150 -YA- | 5,5   | 4   | 3  | 150 | 500  | 30    | 10  | 60     | ½"  | 950x520x1420   | 172 |
| 5225343 | CIERZO SCR 7,5-270 -YA- | 7,5   | 5,5 | 3  | 270 | 750  | 45    | 10  | 63     | ½"  | 1200x880x1690  | 275 |
| 5235345 | CIERZO SCR 10-270 -YA-  | 10    | 7,5 | 3  | 270 | 1010 | 60,6  | 10  | 70     | ½"  | 1200x880x1690  | 300 |
| 5255345 | CIERZO SCR 15-270 -YA-  | 15    | 11  | 3  | 270 | 1260 | 75,6  | 10  | 68     | ½"  | 1200x1000x1780 | 340 |
| 5255355 | CIERZO SCR 15-500 -YA-  | 15    | 11  | 3  | 500 | 1260 | 75,6  | 10  | 68     | ½"  | 1930x1000x1780 | 400 |
| 5265345 | CIERZO SCR 20-270 -YA-  | 20    | 15  | 3  | 270 | 1960 | 117,6 | 10  | 70     | ½"  | 1200x1000x1780 | 370 |
| 5265355 | CIERZO SCR 20-500 -YA-  | 20    | 15  | 3  | 500 | 1960 | 117,6 | 10  | 70     | ½"  | 1930x1000x1780 | 430 |

### CIERZO SCR (WITH TANK and DRYER) 10 BAR STAR DELTA START (-YA-)



| Code    | Model                       | Motor |     | Ph | Lts | Flow |       | bar | dB (A) | BSP | LxWxH<br>mm    | Kg  |
|---------|-----------------------------|-------|-----|----|-----|------|-------|-----|--------|-----|----------------|-----|
|         |                             | HP    | Kw  |    |     | l/m  | m³/h  |     |        |     |                |     |
| 5215337 | CIERZO SCR 5,5-200 -YA- EDS | 5,5   | 4   | 3  | 200 | 500  | 30    | 10  | 60     | ½"  | 1380x500x1360  | 209 |
| 5225357 | CIERZO SCR 7,5-500 -YA- EDS | 7,5   | 5,5 | 3  | 500 | 750  | 45    | 10  | 63     | ½"  | 1930x880x1690  | 365 |
| 5235357 | CIERZO SCR 10-500 -YA- EDS  | 10    | 7,5 | 3  | 500 | 1010 | 60,6  | 10  | 70     | ½"  | 1930x880x1690  | 390 |
| 5255357 | CIERZO SCR 15-500 -YA- EDS  | 15    | 11  | 3  | 500 | 1260 | 75,6  | 10  | 68     | ½"  | 1930x1000x1780 | 430 |
| 5265357 | CIERZO SCR 20-500 -YA- EDS  | 20    | 15  | 3  | 500 | 1960 | 117,6 | 10  | 70     | ¾"  | 1930x1000x1780 | 470 |



Other tank versions are available on request.

# CIERZO SCR

## SMALL & MEDIUM INDUSTRY - BELT DRIVE SYSTEM

### CIERZO SCR (WITHOUT TANK) 13 BAR

#### STAR DELTA START (-YA-)



| Code    | Model                     | HP  | Kw  | Ph | Lts | l/m  | m³/h  | bar | dB (A) | BSP | LxWxH<br>mm    | Kg  |
|---------|---------------------------|-----|-----|----|-----|------|-------|-----|--------|-----|----------------|-----|
| 5225306 | CIERZO SCR 13bar 7,5 -YA- | 7,5 | 5,5 | 3  | -   | 590  | 35,4  | 13  | 63     | ¾"  | 960x880x1060   | 214 |
| 5235306 | CIERZO SCR 13bar 10 -YA-  | 10  | 7,5 | 3  | -   | 772  | 46,2  | 13  | 65     | ¾"  | 960x880x1060   | 239 |
| 5255306 | CIERZO SCR 13bar 15 -YA-  | 15  | 11  | 3  | -   | 1040 | 62,4  | 13  | 68     | 1"  | 1000x1000x1150 | 292 |
| 5265306 | CIERZO SCR 13bar 20 -YA-  | 20  | 15  | 3  | -   | 1780 | 106,8 | 13  | 70     | 1"  | 1000x1000x1150 | 321 |

### CIERZO SCR (WITH TANK) 13 BAR

#### STAR DELTA START (-YA-)



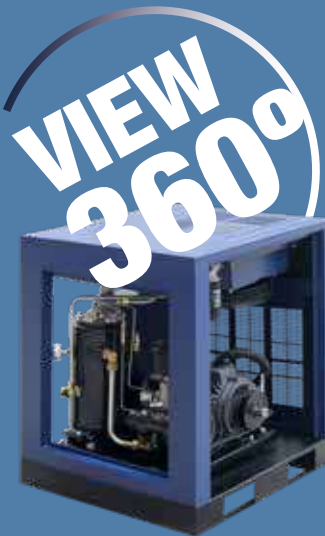
| Code    | Model                         | HP  | Kw  | Ph | Lts | l/m  | m³/h  | bar | dB (A) | BSP | LxWxH<br>mm    | Kg  |
|---------|-------------------------------|-----|-----|----|-----|------|-------|-----|--------|-----|----------------|-----|
| 5225346 | CIERZO SCR 13bar 7,5-270 -YA- | 7,5 | 5,5 | 3  | 270 | 590  | 35,4  | 13  | 63     | ½"  | 1200x880x1690  | 275 |
| 5235346 | CIERZO SCR 13bar 10-270 -YA-  | 10  | 7,5 | 3  | 270 | 772  | 46,2  | 13  | 65     | ½"  | 1200x880x1690  | 300 |
| 5255346 | CIERZO SCR 13bar 15-270 -YA-  | 15  | 11  | 3  | 270 | 1040 | 62,4  | 13  | 68     | ½"  | 1200x1000x1780 | 340 |
| 5255356 | CIERZO SCR 13bar 15-500 -YA-  | 15  | 11  | 3  | 500 | 1040 | 62,4  | 13  | 68     | ½"  | 1930x1000x1780 | 400 |
| 5265346 | CIERZO SCR 13bar 20-270 -YA-  | 20  | 15  | 3  | 270 | 1780 | 106,8 | 13  | 70     | ½"  | 1200x1000x1780 | 370 |
| 5235356 | CIERZO SCR 13bar 20-500 -YA-  | 20  | 15  | 3  | 500 | 1780 | 106,8 | 13  | 70     | ½"  | 1930x1000x1780 | 430 |

### CIERZO SCR (WITH TANK and DRYER) 13 BAR

#### STAR DELTA START (-YA-)



| Code    | Model                             | HP  | Kw  | Ph | Lts | l/m  | m³/h  | bar | dB (A) | BSP | LxWxH<br>mm    | Kg  |
|---------|-----------------------------------|-----|-----|----|-----|------|-------|-----|--------|-----|----------------|-----|
| 5225358 | CIERZO SCR 13bar 7,5-500 -YA- EDS | 7,5 | 5,5 | 3  | 500 | 590  | 35,4  | 13  | 63     | ½"  | 1930x880x1690  | 365 |
| 5235358 | CIERZO SCR 13bar 10-500 -YA- EDS  | 10  | 7,5 | 3  | 500 | 772  | 46,2  | 13  | 65     | ½"  | 1930x880x1690  | 390 |
| 5255358 | CIERZO SCR 13bar 15-500 -YA- EDS  | 15  | 11  | 3  | 500 | 1040 | 62,4  | 13  | 68     | ½"  | 1930x1000x1780 | 430 |
| 5265358 | CIERZO SCR 13bar 20-500 -YA- EDS  | 20  | 15  | 3  | 500 | 1780 | 106,8 | 13  | 70     | ¾"  | 1930x1000x1780 | 470 |



# - INVERTER -

### CIERZO SCR (WITHOUT TANK) 10 BAR INVERTER



| Code    | Model              | HP | Kw  | Ph | Lts | l/m (max-min) | m³/h (max-min) | bar | dB (A) | BSP | LxWxH mm       | Kg  |
|---------|--------------------|----|-----|----|-----|---------------|----------------|-----|--------|-----|----------------|-----|
| 5235315 | CIERZO SCR 10 -VV- | 10 | 7,5 | 3  | -   | 1010-505      | 60,6-30,3      | 10  | 70     | ¾"  | 960x880x1060   | 242 |
| 5255315 | CIERZO SCR 15 -VV- | 15 | 11  | 3  | -   | 1260-630      | 75,6-37,8      | 10  | 68     | 1"  | 1000x1000x1150 | 294 |
| 5265315 | CIERZO SCR 20 -VV- | 20 | 15  | 3  | -   | 1960-980      | 117,6-58,8     | 10  | 70     | 1"  | 1000x1000x1150 | 324 |

### CIERZO SCR (WITH TANK) 10 BAR INVERTER



| Code     | Model                  | HP | Kw  | Ph | Lts | l/m (max-min) | m³/h (max-min) | bar | dB (A) | BSP | LxWxH mm       | Kg  |
|----------|------------------------|----|-----|----|-----|---------------|----------------|-----|--------|-----|----------------|-----|
| 5235355F | CIERZO SCR 10-500 -VV- | 10 | 7,5 | 3  | 500 | 1010-505      | 60,6-30,3      | 10  | 70     | ½"  | 1930x880x1690  | 350 |
| 5255355F | CIERZO SCR 15-500 -VV- | 15 | 11  | 3  | 500 | 1260-630      | 75,6-37,8      | 10  | 68     | ½"  | 1930x1000x1780 | 410 |
| 5265355F | CIERZO SCR 20-500 -VV- | 20 | 15  | 3  | 500 | 1960-980      | 117,6-58,8     | 10  | 70     | ¾"  | 1930x1000x1780 | 440 |

### CIERZO SCR (WITH TANK and DRYER) 10 BAR INVERTER



| Code     | Model                      | HP | Kw  | Ph | Lts | l/m (max-min) | m³/h (max-min) | bar | dB (A) | BSP | LxWxH mm       | Kg  |
|----------|----------------------------|----|-----|----|-----|---------------|----------------|-----|--------|-----|----------------|-----|
| 5235357F | CIERZO SCR 10-500 -VV- EDS | 10 | 7,5 | 3  | 500 | 1010-505      | 60,6-30,3      | 10  | 70     | ½"  | 1930x880x1690  | 400 |
| 5255357F | CIERZO SCR 15-500 -VV- EDS | 15 | 11  | 3  | 500 | 1260-630      | 75,6-37,8      | 10  | 68     | ½"  | 1930x1000x1780 | 440 |
| 5265357F | CIERZO SCR 20-500 -VV- EDS | 20 | 15  | 3  | 500 | 1960-980      | 117,6-58,8     | 10  | 70     | ¾"  | 1930x1000x1780 | 480 |

### CIERZO SCR (WITHOUT TANK) 13 BAR INVERTER



| Code    | Model                    | HP | Kw  | Ph | Lts | l/m (max-min) | m³/h (max-min) | bar | dB (A) | BSP | LxWxH mm       | Kg  |
|---------|--------------------------|----|-----|----|-----|---------------|----------------|-----|--------|-----|----------------|-----|
| 5235316 | CIERZO SCR 13bar 10 -VV- | 10 | 7,5 | 3  | -   | 772-385       | 46,2-23,1      | 13  | 65     | ¾"  | 960x880x1060   | 242 |
| 5255316 | CIERZO SCR 13bar 15 -VV- | 15 | 11  | 3  | -   | 1040-520      | 62,4-31,2      | 13  | 68     | 1"  | 1000x1000x1150 | 294 |
| 5265316 | CIERZO SCR 13bar 20 -VV- | 20 | 15  | 3  | -   | 1780-790      | 106,8-53,4     | 13  | 70     | 1"  | 1000x1000x1150 | 324 |

### CIERZO SCR (WITH TANK) 13 BAR INVERTER



| Code     | Model                        | HP | Kw  | Ph | Lts | l/m (max-min) | m³/h (max-min) | bar | dB (A) | BSP | LxWxH mm       | Kg  |
|----------|------------------------------|----|-----|----|-----|---------------|----------------|-----|--------|-----|----------------|-----|
| 5235356F | CIERZO SCR 13bar 10-500 -VV- | 10 | 7,5 | 3  | 500 | 772-385       | 46,2-23,1      | 13  | 65     | ½"  | 1930x880x1690  | 350 |
| 5255356F | CIERZO SCR 13bar 15-500 -VV- | 15 | 11  | 3  | 500 | 1040-520      | 62,4-31,2      | 13  | 68     | ½"  | 1930x1000x1780 | 410 |
| 5265356F | CIERZO SCR 13bar 20-500 -VV- | 20 | 15  | 3  | 500 | 1780-790      | 106,8-53,4     | 13  | 70     | ¾"  | 1930x1000x1780 | 440 |

### CIERZO SCR (WITH TANK Y SECADOR) 13 BAR INVERTER



| Code     | Model                            | HP | Kw  | Ph | Lts | l/m (max-min) | m³/h (max-min) | bar | dB (A) | BSP | LxWxH mm       | Kg  |
|----------|----------------------------------|----|-----|----|-----|---------------|----------------|-----|--------|-----|----------------|-----|
| 5235358F | CIERZO SCR 13bar 10-500 -VV- EDS | 10 | 7,5 | 3  | 500 | 772-385       | 46,2-23,1      | 13  | 65     | ½"  | 1930x880x1690  | 400 |
| 5255358F | CIERZO SCR 13bar 15-500 -VV- EDS | 15 | 11  | 3  | 500 | 1040-520      | 62,4-31,2      | 13  | 68     | ½"  | 1930x1000x1780 | 440 |
| 5265358F | CIERZO SCR 13bar 20-500 -VV- EDS | 20 | 15  | 3  | 500 | 1780-790      | 106,8-53,4     | 13  | 70     | ¾"  | 1930x1000x1780 | 480 |



CIERZO SCR serie developed for the big industry, are compressors dotated with inverter and direct drive system 1:1. They look for the maximum efficiency of a daily use of the compressor, generating savings on the client's energetic invoice.

About their principal features, we could mention: compressor's controller with a touch screen which can be integrated on the client's SCADA, free multicontrol up to 16 compressors in serial production, reduced environmental footprint, wide panel which allow an easy and premium accesibility.

### CHARACTERISTICS

- Star-delta starter (Y-Δ) or inverter system - VV.
- Latest generation rotor 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.
- Efficient, robust and reliable screw compressor.
- Easy and quick access. Economical maintenance.
- State-of-the-art touch screen control board with powerful software allowing almost infinite configuration options.

The control panel, governed by the electronic control board, informs us at all times of the status of the compressor (operating temperature, working hours, maintenance interval, existing pressure, operating mode, etc.). It also allows remote start-up and shut-down with programming and integration in SCADA, as well as various other functionalities.



#### CIERZO SCR DIRECT DRIVE 1:1 STAR DELTA (-YA-)

| Code    | Model               | Motor |    | l/m   | m³/h  | bar   | dB (A) | BSP  | LxWxH<br>mm    | Kg   |
|---------|---------------------|-------|----|-------|-------|-------|--------|------|----------------|------|
|         |                     | HP    | Kw |       |       |       |        |      |                |      |
| 5305305 | CIERZO SCR 30-B YA  | 30    | 22 | 2910  | 174,6 | 10    | 70     | 1"   | 1350x900x1290  | 466  |
| 5315305 | CIERZO SCR 40-B YA  | 40    | 30 | 4000  | 240   | 10    | 72     | 1 ¼" | 1600x980x1350  | 580  |
| 5325305 | CIERZO SCR 50-B YA  | 50    | 37 | 5200  | 312   | 10    | 72     | 1 ¼" | 1600x980x1350  | 630  |
| 5335304 | CIERZO SCR 60-A YA  | 60    | 45 | 7200  | 432   | 8     | 72     | 1 ½" | 1750x1050x1520 | 894  |
| 5335305 | CIERZO SCR 60-B YA  |       |    | 6120  | 367,2 | 10    |        |      |                |      |
| 5345304 | CIERZO SCR 75-A YA  | 75    | 55 | 9250  | 600   | 22685 | 72     | 1 ½" | 1750x1050x1520 | 995  |
| 5345305 | CIERZO SCR 75-B YA  |       |    | 7530  | 451,8 | 10    |        |      |                |      |
| 5355304 | CIERZO SCR 100-A YA | 100   | 75 | 12300 | 792   | 23855 | 72     | 2"   | 1960x1100x1620 | 1240 |
| 5355305 | CIERZO SCR 100-B YA |       |    | 10700 | 642   | 10    |        |      |                |      |

### CIERZO SCR DIRECT DRIVE 1:1 INVERTER



| Code    | Model              | Motor |    | Flow             |                   | bar | dB (A) | BSP  | LxWxH<br>mm   | Kg  |
|---------|--------------------|-------|----|------------------|-------------------|-----|--------|------|---------------|-----|
|         |                    | HP    | Kw | l/m<br>(max-min) | m³/h<br>(max-min) |     |        |      |               |     |
| 5305315 | CIERZO SCR 30-B VV | 30    | 22 | 2910-1455        | 174,6-87,3        | 10  | 70     | 1"   | 1350x900x1290 | 476 |
| 5305316 | CIERZO SCR 30-C VV |       |    | 2480-1240        | 148,8-74,4        | 13  |        |      |               |     |
| 5315315 | CIERZO SCR 40-B VV | 40    | 30 | 4000-2000        | 240-120           | 10  | 72     | 1 ¼" | 1600x980x1350 | 590 |
| 5315316 | CIERZO SCR 40-C VV |       |    | 3470-1735        | 208,2-104,1       | 13  |        |      |               |     |
| 5325315 | CIERZO SCR 50-B VV | 50    | 37 | 5200-2600        | 312-156           | 10  | 72     | 1 ¼" | 1600x980x1350 | 640 |
| 5325316 | CIERZO SCR 50-C VV |       |    | 4580-2290        | 274,8-137,4       | 13  |        |      |               |     |

### CIERZO SCR DIRECT DRIVE 1:1 INVERTER



| Code    | Model               | Motor |    | Flow             |                   | bar | dB (A) | BSP  | LxWxH<br>mm    | Kg    |
|---------|---------------------|-------|----|------------------|-------------------|-----|--------|------|----------------|-------|
|         |                     | HP    | Kw | l/m<br>(max-min) | m³/h<br>(max-min) |     |        |      |                |       |
| 5335314 | CIERZO SCR 60-A VV  | 60    | 45 | 7200-3600        | 432-216           | 8   | 72     | 1 ½" | 1750x1050x1520 | 904   |
| 5335315 | CIERZO SCR 60-B VV  |       |    | 6120-3060        | 367,2-183,6       | 10  |        |      |                |       |
| 5335316 | CIERZO SCR 60-C VV  |       |    | 5710-2855        | 342,6-171,3       | 13  |        |      |                |       |
| 5345314 | CIERZO SCR 75-A VV  | 75    | 55 | 9250-4625        | 555 - 277,5       | 8   | 72     | 1 ½" | 1750x1050x1520 | 1.005 |
| 5345315 | CIERZO SCR 75-B VV  |       |    | 7530-3765        | 451,8-225,9       | 10  |        |      |                |       |
| 5345316 | CIERZO SCR 75-C VV  |       |    | 6590-3295        | 395,4-197,7       | 13  |        |      |                |       |
| 5355314 | CIERZO SCR 100-A VV | 100   | 75 | 12300-6150       | 792 - 396         | 8   | 72     | 2"   | 1960x1100x1620 | 1.250 |
| 5355315 | CIERZO SCR 100-B VV |       |    | 10700-5350       | 642-321           | 10  |        |      |                |       |
| 5355316 | CIERZO SCR 100-C VV |       |    | 9100-4550        | 546-273           | 13  |        |      |                |       |



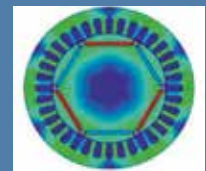
# BANDAMA

BANDAMA screw compressors incorporate the latest technological advances and guarantee a constant supply of high quality compressed air at higher working pressures, servicing laser cutting machinery. Their small footprint minimises the space required for installation.

## RELIABILITY AND ENERGY SAVINGS

The design of this equipment ensures easy access to service points and the reduced number of moving parts further improves maintenance costs. Belt-driven with built-in automatic tensioner ensures correct transmission at high pressures.









They incorporate a permanent magnet motor to adapt to the real demand of consumption, providing constant efficiency and torque, which allows to lower revolutions much more than an ordinary induction motor, managing with greater precision the existing air demand in the installation, and getting the maximum performance from the variable speed systems. Also, as one of the main advantages, they have lower starting currents, reducing the heating of the entire electrical circuit and allowing a greater number of starts and stops.



Permanent magnet motor

### BANDAMA INVERTER



| Code    | Model      |  |  |  |  |  |  |  |  |                |     |
|---------|------------|---|---|---|--|---|---|---|---|----------------|-----|
|         |            |   | HP  | Kw  | l/m  | m <sup>3</sup> /h   | bar   | dB (A)  | BSP   | LxWxH<br>mm    | Kg  |
| 5252001 | BANDAMA 15 |   | 15  | 11  | 810-405  | 48,6-24,3   | 16  | 69  | 1"  | 950x880x1030   | 240 |
| 5262001 | BANDAMA 20 |   | 20  | 15  | 1120-560   | 67,2-33,6   | 16  | 69  | 1"  | 950x880x1030   | 250 |
| 5302001 | BANDAMA 30 |   | 30  | 22  | 2050-1025  | 123-61,5  | 16  | 70  | 1"  | 1050x1000x1170 | 460 |



## MAIN CHARACTERISTICS:

- INVERTER technology.
- Compact, robust, reliable and soundproofed screw compressor.
- Easy accessibility. Economical maintenance.
- Emergency stop button.

- TOUCH CONTROL BOARD (1) 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 electric motor overload.
  - overload of the electric motor.
  - + Control menu: start, stop and operation of the motor.
  - + Time programming (calendar).
  - + Programming by pressure.
  - + SCADA integration.



In the case of a complete compressor installation with air treatment, the unit would consist of a BANDAMA compressor, SCC series cyclone condensate separator, accumulator tank, FEP series particle separator filter and EDS series refrigeration dryer with by-pass.



## BANDAMA SET



5256001 BANDAMA PM 15 + Separator SCC-1000 + Vertical tank 1000 litres 16 bar + Filter FEP-FES-FEX 1200 + Dryer EDS2-1800

5266001 BANDAMA PM 20 + Separator SCC-3000 + Vertical tank 1000 litres 16 bar + Filter FEP-FES-FEX 1800 + Dryer EDS2-1800

5306001 BANDAMA PM 30 + Separator SCC-3000 + Vertical tank 1000 litres 16 bar + Filter FEP-FES-FEX 3000 + Dryer EDS2-2400

By-pass, purges and connection hoses included.

## CIERZO SCREW GAC-S EXTENDED WARRANTY

Reliability and confidence: Extended Warranty program

From **Compresores JOSVAL** we put at your disposal available the modality: **CIERZO SCREW GAC-S EXTENDED WARRANTY**.

4 years warranty on CIERZO SCR screw compressor ranges.



No additional cost



Unlimited hours



All-inclusive first year\*



FIRST AND SECOND YEAR:



Engine



Oil separator tank



Radiator



Variable speed drive

FOR 4 YEARS:



Rotor



Electronic control board



\*Except consumables and electrical equipment.

Ask your distributor about Compresores Josval warranty plans.



## ENERGY+ SERIES OILS

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: 5 litres jug and 208 litres drum.



## FORTE SERIES OILS

FORTE series oils are high quality mineral base oils designed to meet the most stringent requirements of our customers. They are formulated with high performance additives which provide an excellent wear and corrosion protection, reduce maintenance costs and enhance equipment life and performance.

Compresores JOSVAL, as the manufacturer, recommends using FORTE series oils in demanding environments.

Availability: 5 litres jug



## FOOD GRADE SERIES OILS

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

Availability: 20 litres drum.

## MAINTENANCE

## INTERVALS FOR SCREW COMPRESSORS

| Operation                            | Every 500 hours | Every 2.000 hours<br>or annually | Every 4.000 hours | Every 10.000 hours<br>or each 2 years |
|--------------------------------------|-----------------|----------------------------------|-------------------|---------------------------------------|
| Oil filter replacement               | ●               | ●                                | ●                 |                                       |
| Oil replacement                      | ●               | ●                                | ●                 |                                       |
| Oil filter cartridge replacement     | ●               | ●                                | ●                 |                                       |
| Air-oil separator filter replacement |                 |                                  | ●                 |                                       |
| Belt replacement *                   |                 |                                  | ●                 |                                       |
| Coupling star replacement *          |                 |                                  |                   | ●                                     |
| Air pre-filters replacement          |                 |                                  |                   | ●                                     |



There are several applications of compressed air that require a compressor with special features, such as pressure higher than 15 bar or breathable air among many other examples.

The special applications range incorporates reliable and versatile solutions for markets where the product quality is a priority.

**TRINKEN**  
**THORDÖN**  
**AQUATIC**



IDEAL FOR APPLICATIONS LIKE:



Air compressors developed to dispense drinks with KeyKeg barrels.

Compressed air replaces CO2, which being oilfree guarantees high air quality.

Minimal and economic maintenance.

Small dimensions and simple placing.

Silent operation for the best comfort in the work environment.

## FEATURES

- Compact, lightweight and silent.
- Equipped with handle for easy transport and handling.
- Without oil.
- Built in pressure regulator.
- Designed for use with KeyKeg barrels.
- Automatic thermal protection.
- Quick-connect coupling.
- Stainless steel finishing (TRINKEN 2 model).



TRINKEN 2:  
Allows 2 taps to be used simultaneously.



TRINKEN 6:  
Allows the simultaneous use of 6 taps and the connection of up to 16 barrels.

## TRINKEN



| Code    | Model     | HP   | Kw   | V   | H     | l/m | m³/h | bar | Lts | dB (A) | LxWxH mm    | Kg |
|---------|-----------|------|------|-----|-------|-----|------|-----|-----|--------|-------------|----|
| 5001015 | TRINKEN-2 | 0,15 | 0,11 | 220 | 50    | 12  | 0,72 | 3,5 | -   | 55     | 320x230x250 | 6  |
| 5001095 | TRINKEN-6 | 0,95 | 0,70 | 220 | 50/60 | 90  | 5,4  | 7   | 6   | 58     | 580x230x530 | 26 |

THORDÖN, high power with maximum portability.

THORDÖN was born from the need to have a higher pressure in different locations, without the need to move it from one location to another. Extremely light and at the same time versatile, since it can be used simultaneously at both 30 bar and 10 bar, making it a portable compressed air station.

## SINGLE PHASE



| Code    | Model        | HP  | Kw  | Lts | l/m | m <sup>3</sup> /h | bar | r.p.m. | dB (A) | LxWxH<br>mm  | Kg |
|---------|--------------|-----|-----|-----|-----|-------------------|-----|--------|--------|--------------|----|
| 5083037 | THORDÖN 130M | 2,2 | 1,6 | 20  | 130 | 7,8               | 30  | 1400   | 72     | 800x600x1000 | 56 |

**Air hose kit 30 bar optional.**

Cod. 5743701200



**Male quick coupling 1/4" 30 bar optional.**

Cod. 57437012020



**Quick connect male plug 1/4" 30 bar optional.**

Cod. 57437012010



**Air flow** according to ISO 1217.

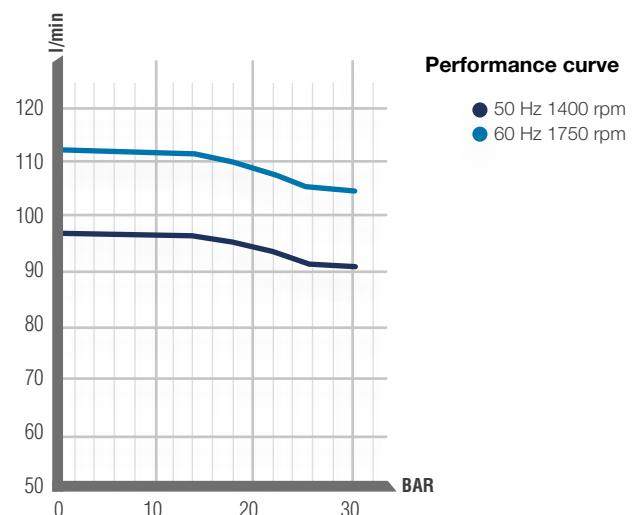
**Noise level** as CAGI-PNEU-ROP, measured in the open air, at a distance of 1 meter.

THORDÖN 130M



## FEATURES

- Compact, lightweight and portable.
- Easy transport and handling.
- Without oil.
- Direct drive.
- Operation at low R.P.M.
- Automatic thermal protection.
- Simultaneous operation up to 10 bar or high pressure up to 30 bar.
- Double pressure reducer
- Versatile, up to 4 simultaneous connection (2x10 bar and 2x30 bar quick couplings).



AQUATIC series breathing air compressors are compact and lightweight. Very easy to use, robust and highly resistant to corrosion, these are specially designed for mining, firefighting, scuba diving, and for clubs or independent divers, for example.



AQUATIC 100



**Air flow** according to ISO 1217.

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

## SINGLE PHASE



| Code    | Model           | HP | Kw  | l/min | m³/h | bar | r.p.m. | dB (A) | LxWxH<br>mm | Kg |
|---------|-----------------|----|-----|-------|------|-----|--------|--------|-------------|----|
| 5093002 | AQUATIC 100M    | 3  | 2,2 | 100   | 6    | 225 | 2100   | 79     | 800x600x580 | 51 |
| 5093003 | AQUATIC 100M/A* | 3  | 2,2 | 100   | 6    | 225 | 2100   | 79     | 800x600x580 | 51 |

\*A: automatic switch on/off

## THREE-PHASE



| Code    | Model          | HP | Kw | l/min | m³/h | bar | r.p.m. | dB (A) | LxWxH<br>mm | Kg |
|---------|----------------|----|----|-------|------|-----|--------|--------|-------------|----|
| 5203002 | AQUATIC 100    | 4  | 3  | 100   | 6    | 225 | 2100   | 79     | 800x600x580 | 42 |
| 5203003 | AQUATIC 100/A* | 4  | 3  | 100   | 6    | 225 | 2100   | 79     | 800x600x580 | 42 |

\*A: automatic switch on/off

## PETROL

| Code    | Model           | HP | Kw  | l/min | m³/h | bar | r.p.m. | dB (A) | LxWxH<br>mm | Kg |
|---------|-----------------|----|-----|-------|------|-----|--------|--------|-------------|----|
| 5217002 | AQUATIC 100G    | 6  | 4,2 | 100   | 6    | 225 | 2100   | 84     | 800x600x580 | 42 |
| 5217003 | AQUATIC 100G/A* | 6  | 4,2 | 100   | 6    | 225 | 2100   | 84     | 800x600x580 | 42 |

\*A: automatic switch on/off

## FEATURES

- Autonomous compressor.
- Compact, lightweight and portable.
- Easy to use.
- High-end corrosion resistant.
- ATL System air purification.
- Breathable air according to regulations: UNE EN 12021:2014 - ANSI/CGA E-Z180.

### OTHER MODELS AVAILABLE:

- 330 bar version.
- Double pressure version (two filling devices, 225 and 330 bar).
- Trolley version.
- Other models like aquatic home, recreational pursuit, industrials are available on request.

AQUATIC 100G





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.

**CYCLONE SEPARATORS**

**TANKS**

**REFRIGERANT DRYERS**

**FILTERS**

**CONDENSATE SEPARATORS**

**ACCESORIES**



Cyclone condensate separators are designed to separate solids, liquids and aerosols from compressed air. They operate by centrifugal force, and these residues accumulate at the bottom of the container and must be subsequently purged.

## SCC - CYCLONE SEPARATORS

| Code    | Model     | l/m   | m <sup>3</sup> /h | bar | BSP    | Kg  |
|---------|-----------|-------|-------------------|-----|--------|-----|
| 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 |



### RECOMMENDED AND OPTIONAL

#### ELECTRONIC TIMED STEAM TRAP

| Code    | bar | BSP  |
|---------|-----|------|
| 5654020 | 16  | 1/2" |



#### AUTOMATIC CONDENSATE DRAINER

Code 5679701



## TANKS

All our standard horizontal and vertical tanks are equipped with pressure gauge, safety valve and drain cock.

Manufactured according to European directives 2014/68/EU and 2014/29/EU.

We recommend purging the tank weekly or installing an automatic drain to ensure the absence of water inside the tank.

### VERTICAL TANKS



| Code    | Model   | Lts  | bar | BSP (In-Out) | LxWxH mm       | Kg  |
|---------|---------|------|-----|--------------|----------------|-----|
| 5590199 | DV 270  | 270  | 11  | 1"           | 490x490x1660   | 65  |
| 5590219 | DV 500  | 500  | 11  | 1"           | 600x600x2040   | 123 |
| 5590259 | DV 1000 | 1000 | 11  | 2"           | 850x850x2200   | 195 |
| 5590269 | DV 2000 | 2000 | 11  | 2"           | 1150x1150x2350 | 375 |
| 5591199 | DV 300  | 300  | 15  | 1"           | 490x490x1660   | 80  |
| 5591219 | DV 500  | 500  | 15  | 1"           | 600x600x2040   | 154 |
| 5591259 | DV 1000 | 1000 | 16  | 2"           | 850x850x2200   | 315 |
| 5591269 | DV 2000 | 2000 | 16  | 2"           | 1150x1150x2350 | 490 |

\*Other volumes and/or pressures on request.



## RECOMMENDED AND OPTIONAL

## KIT BY-PASS SECADOR M COMPAC BE

| Code          | BSP  |
|---------------|------|
| 569000 BE 010 | 1/2" |
| 569000 BE 011 | 3/4" |
| 569000 BE 012 | 1"   |
| 569000 BE 013 | 2"   |



The refrigeration dryers of the **CIERZO M COMPAC BE** series 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.

## FEATURES

- Compact and ergonomic design.
- 3°C Pressure dew point.
- Very low pressure drop.
- Sound and light alarm output for compressed air refrigeration dryer incidents.
- Manual condensate discharge by pressing the on/off button twice.
- Integrated signal output for external alarm (24 V signal).
- Inlet and outlet filters included in all models.



## CIERZO M COMPAC BE DRYERS



| Code      | Model                    |       |                   |      |             |     |      |                    |     |
|-----------|--------------------------|-------|-------------------|------|-------------|-----|------|--------------------|-----|
|           |                          | l/m   | m <sup>3</sup> /h | Kw   | Vol/Ph/Hz   | bar | BSP  | LxWxH<br>mm        | Kg  |
| 5690009BE | Cierzo M Compac BE-900   | 900   | 54                | 0,38 | 230/1/50-60 | 16  | ½"   | 378x483,6x714,7    | 30  |
| 5690018BE | Cierzo M Compac BE-1800  | 1800  | 108               | 0,38 | 230/1/50-60 | 16  | ½"   | 378x483,6x714,7    | 30  |
| 5690026BE | Cierzo M Compac BE-2600  | 2600  | 156               | 0,65 | 230/1/50-60 | 16  | 1"   | 378x483,6x714,7    | 46  |
| 5690037BE | Cierzo M Compac BE-3700  | 3700  | 222               | 0,65 | 230/1/50-60 | 16  | 1"   | 411,4x548,6x855    | 47  |
| 5690055BE | Cierzo M Compac BE-5500  | 5500  | 330               | 1,27 | 230/1/50-60 | 16  | 1 ½" | 460x718,6x920      | 64  |
| 5690085BE | Cierzo M Compac BE-8500  | 8500  | 510               | 1,45 | 230/1/50-60 | 16  | 1 ½" | 460x718,6x920      | 86  |
| 5690110BE | Cierzo M Compac BE-11000 | 11000 | 660               | 1,65 | 230/1/50-60 | 16  | 2"   | 685,5x902,2x1043,2 | 96  |
| 5690170BE | Cierzo M Compac BE-17000 | 17000 | 1020              | 2,1  | 230/1/50-60 | 16  | 2"   | 660x926,8x1054,6   | 230 |

Other flow rates and/or voltages are available upon request.

## RECOMMENDED AND OPTIONAL

**FEP:** removes solid particles down to 5 microns, including liquids, emulsions and oil particles.

**FES and FEX:** use the coalescence principle, suitable for removing solid particles down to 0.01 micron and up to 0.01 mg/m<sup>3</sup> of residual oil.

**FEZ:** activated carbon filter that through the adsorption process attracts all odors and vapors remaining after the oil removal process.



### Saturation indicator:

It marks the need for replacement of the cartridge. Available in a version with differential pressure gauge.

Code: 5679702



### Automatic condensate drain:

Code 5679701



## FILTERS



| ▶▶    |                   | Barcode |                                 | Barcode |                                  | Barcode |                                     | Barcode |  | ▶▶▶    |
|-------|-------------------|---------|---------------------------------|---------|----------------------------------|---------|-------------------------------------|---------|--|--------|
| l/m   | m <sup>3</sup> /h | Code    | Pre-filters FEP<br>Particles>5μ | Code    | Interception FES<br>Particles>1μ | Code    | Interception FEX<br>Particles>0,01μ | Code    | Activated carbon FEZ<br>Particles>0,003μ | BSP    |
| 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"   |
| 3400  | 204               | 5676034 | FEP-3400                        | 5677034 | FES-3400                         | 5678034 | FEX-3400                            | 5679034 | FEZ-3400                                 | 1"     |
| 7200  | 432               | 5676072 | FEP-7200                        | 5677072 | FES-7200                         | 5678072 | FEX-7200                            | 5679072 | FEZ-7200                                 | 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"     |
| 28000 | 1680              | 5676280 | FEP-28000                       | 5677280 | FES-28000                        | 5678280 | FEX-28000                           | 5679280 | FEZ-28000                                | 3"     |

\* Higher Flow rates filters, on request.

# CONDENSATE SEPARATORS

JOSVAL's range of SC oil/water separators separate oil from condensate generated by compressed air systems, thanks to a multi-stage process.



Valid for the removal of the following types of oil:

1. mineral oils.
2. Synthetic oils.
3. Condensate emulsions.
4. Polyglycol (consult applications and availability).

Compliance with environmental legislation, health and safety requirements according to standards: 91/271/EEC, 91/676/EEC and 2014/30/EC.

## SC - CONDENSATE SEPARATORS

| Barcode |       | ▶▶    |                   | ▶▶▶           |  | LxWxH         | ▶    |
|---------|-------|-------|-------------------|---------------|--|---------------|------|
| Code    | Model | l/m   | m <sup>3</sup> /h | BSP (In-Out)  |  | mm            | Kg   |
| 5656210 | SC-1  | 2000  | 120               | 1/2"-1/2"     |  | 250x250x250   | 3,5  |
| 5656220 | SC-2  | 5000  | 300               | 1/2" -1/2"    |  | 530x200x700   | 11,5 |
| 5656230 | SC-3  | 9000  | 540               | (2x)1/2"-1/2" |  | 730x300x960   | 27,5 |
| 5656240 | SC-4  | 18000 | 1080              | (2x)1/2"-1/2" |  | 730x300x960   | 32   |
| 5656250 | SC-5  | 30000 | 1800              | (2x)3/4"-3/4" |  | 1100x450x1340 | 83   |
| 5656260 | SC-6  | 60000 | 3600              | (2x)3/4"-3/4" |  | 1100x450x1340 | 93   |



## POLYURETHANE SPIRAL WITH ROTATING FITTINGS

| Code    | mm     | Length (m) | BSP  |
|---------|--------|------------|------|
| 9052156 | 5x8    | 6          | 1/4" |
| 9052159 | 5x8    | 9          | 1/4" |
| 9052166 | 6,5x10 | 6          | 1/4" |
| 9052169 | 6,5x10 | 9          | 1/4" |
| 9052165 | 6,5x10 | 15         | 1/4" |
| 9052189 | 8x12   | 9          | 1/4" |
| 9052185 | 8x12   | 15         | 1/4" |



## MALE - MALE CONNECTION HOSES

| Code      | Length (mm) | Connection (BSP) |
|-----------|-------------|------------------|
| 759 006 3 | 1500        | 3/8" x 1/2"      |
| 759 005 5 | 500         | 3/8" x 3/4"      |
| 759 006 5 | 1500        | 1/2" x 3/4"      |
| 759 005 6 | 1500        | 1/2" x 1/2"      |
| 759 005 7 | 1500        | 1/2" x 1"        |
| 759 006 7 | 2500        | 1/2" x 1"        |
| 759 006 0 | 1500        | 3/4" x 3/4"      |
| 759 005 8 | 1500        | 3/4" x 1"        |
| 759 006 8 | 2500        | 3/4" x 1"        |
| 759 005 9 | 1500        | 1" x 1"          |
| 759 006 9 | 2500        | 1" x 1"          |
| 759 007 1 | 1500        | 1" x 1.1/4"      |
| 759 007 2 | 1500        | 1.1/4" x 2"      |
| 759 006 1 | 1500        | 1.1/2" x 1.1/2"  |
| 759 006 4 | 1500        | 1.1/2" x 2"      |
| 759 006 2 | 1500        | 2" x 2"          |



## MALE - MALE HIGH TEMPERATURE CONNECTION HOSES

| Code       | Length (mm) | Connection (BSP) |
|------------|-------------|------------------|
| 759 005 61 | 1500        | 1/2"             |
| 759 006 01 | 1500        | 3/4"             |
| 759 005 91 | 1500        | 1"               |



## AUTOMATIC HOSE REEL

| Code    | mm     | Length (m) | Measures (mm) | Weight (kg) |
|---------|--------|------------|---------------|-------------|
| 9052010 | 8x12   | 10+1       | 295x165x330   | 4           |
| 9052015 | 9,5x16 | 15+1,5     | 440x225x410   | 8           |
| 9052020 | 9,5x16 | 20+2       | 440x225x410   | 8           |

Work pressure: 8 bar  
 Connection (BSP): 1/4" male (plugs are not included).  
 Adjustable metal fixing support.



## FILTER REGULATOR (F+R)

| Code    | Connection (BSP) | Regulation | Flow (l/m) | Filtration (μ) |
|---------|------------------|------------|------------|----------------|
| 5630527 | 1/8"             | 0-12 bar   | 850        | 20             |
| 5630521 | 1/4"             | 0-12 bar   | 850        | 20             |
| 5630523 | 3/8"             | 0-12 bar   | 2600       | 20             |
| 5630525 | 1/2"             | 0-12 bar   | 2600       | 20             |
| 5630526 | 1"               | 0-12 bar   | 12000      | 20             |

Pressure gauge not included



## FILTER REGULATOR+ LUBRICATOR (F+R+L)

| Code    | Connection (BSP) | Regulation | Flow (l/m) | Filtration (μ) |
|---------|------------------|------------|------------|----------------|
| 5631065 | 1/8"             | 0-12 bar   | 700        | 20             |
| 5631014 | 1/4"             | 0-12 bar   | 700        | 20             |
| 5631020 | 3/8"             | 0-12 bar   | 2500       | 20             |
| 5631030 | 1/2"             | 0-12 bar   | 2500       | 20             |
| 5631050 | 1"               | 0-12 bar   | 10000      | 20             |

Pressure gauge not included



## MANOMETER

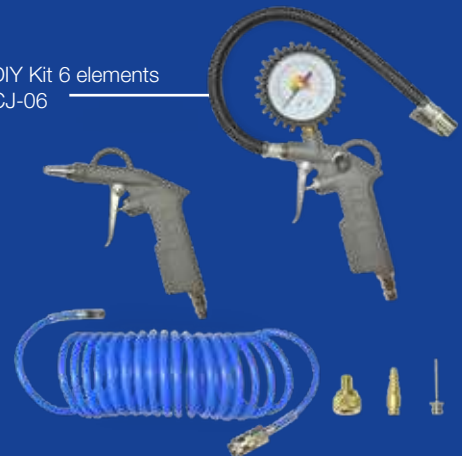
| Code    | Connection (BSP) | Scale (bar) | Ø (mm) | Thread    |
|---------|------------------|-------------|--------|-----------|
| 5630930 | 1/8"             | 0-16 bar    | 50     | Posterior |



## DIY KIT 6 ELEMENTS CJ-06

- Wheel inflator with universal connector.
- Blower with universal connector.
- Set of three inflation nozzles.
- 6 meters spiral with plug and universal connector.

DIY Kit 6 elements CJ-06



## DIY KIT 6 ELEMENTS CJ-06

| Code    | Descripción           |
|---------|-----------------------|
| 9112009 | Kit 6 elementos CJ-06 |

## DIY KIT 5 ELEMENTS CJ

- Airbrush (gravity or suction) with universal connector.
- Blower with universal connector.
- Wheel inflator with universal connector.
- Oil gun with universal connector.
- 6 meters spiral with plug and universal connector.

Gravity kit CJ-05



## DIY KIT 5 ELEMENTS CJ

| Code    | Descripción        |
|---------|--------------------|
| 9112005 | Kit Gravedad CJ-05 |
| 9112007 | Kit Succión CJ-05  |

Suction kit CJ-05





## ALL CONTROL AVAILABLE - 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.



## ABREGO - CONTROL AND DATA ACQUISITION SOFTWARE

(OPTIONAL)

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 pre sure 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 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 (classification according to ISO 8573.1)

Useful info 

| CLASS | SOLIDS                      |  | WATER               | OIL                                   |
|-------|-----------------------------|--|---------------------|---------------------------------------|
|       | Max. Particle Size (micron) | Max. Solids Concentration (mg/m <sup>3</sup> ) | Max. PDP 7 bar (°C) | Max. Oil Content (mg/m <sup>3</sup> ) |
| 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/m<sup>3</sup>
- 2** = pressure dewpoint (PDP) of -40°C
- 1** = oil filtration up to 0,01 mg/m<sup>3</sup>

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

## ISO 9001 - QUALITY MANAGEMENT SYSTEM CERTIFICATION



Certificado ESD4/0608

El sistema de gestión de

## COMPRESORES JOSVAL, S.L.

Pol. Ind. Málpica, Calle F., 50, 50016 Zaragoza

ha sido evaluado y certificado que cumple con los requisitos de

### ISO 9001:2015

Para las siguientes actividades:  
 Diseño, fabricación, comercialización y servicio posventa de compresores de pistón y tornillo, depósitos para aire comprimido y cabezales.  
 Distribución y servicio posventa de equipos de tratamiento de aire comprimido.

Este certificado es válido desde 14 de septiembre de 2022 hasta 14 de septiembre de 2025 y su validez está sujeta al resultado satisfactorio de las auditorías de seguimiento.  
 Edición 10. Certificada con SGS desde 14 de septiembre de 2004.  
 Actividades certificadas realizadas por emplazamientos adicionales enumerados en las páginas siguientes.

SGS International Certification Services Iberica, S.A.U.  
 C/Traspaderno, 29 28043 Madrid España  
 T +34 91 313 8115 - www.sgs.com





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COMPRESORES

# JOSVAL

Desde 1.958

## HEADQUARTERS

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

## LOGISTICS CENTRE

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

## CENTRE

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

## CATALUÑA

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



[www.compresoresjosval.com](http://www.compresoresjosval.com)

AIR ATTRACTION<sup>JVL</sup>

