



# **CHAMPION**

## **STANDARD WARRANTY EXTENDED WARRANTY SERVICE SCHEDULES**

Terms & Conditions



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

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## 1. STANDARD WARRANTY TERMS

### 1.1 GENERAL WARRANTY STATEMENT

Champion, located at Via Tevere, 6, 21015 Lonate Pozzolo VA, Italy, (hereafter "Champion") warrants to each original retail purchaser (hereafter "Purchaser") of its new compressor packages, Dryers, Filters and associated accessories (hereafter "Products") from the Champion or its authorized distributor that such Products are, at the time of delivery to the Purchaser, free of defects in material and workmanship for period detailed in section 1.3.

The responsibility for warranty work rests with Champion who reserve the right to use distributors or Champion service personnel as appropriate. Only "Champion trained personnel" or Champion authorised distributors / agents will carry out warranty work on behalf of Champion.

Reasonable safe access must be provided and all local health and safety issues must be maintained

During a warranty repair, if faults are found which are not covered by the Warranty Policy, for example, a consumable item, or neglect, then an order number or written authority from the customer to cover the non warranty work/parts must be obtained.

If the customer for any reason delays warranty work, it must be made clear to the customer they will be charged for the additional time.

It is the responsibility of the "trained personnel" to report any circumstances which are having an adverse affect on the operation of the Products. This could involve lack of maintenance, poor environment, variable electrical supply or any other factor detrimental to its correct or efficient operation.

Warranty does not include any liability for any consequential loss or damages whatsoever, including, among other things, loss of profits or business and downtime, nor the cost of hiring or providing replacement equipment during the time scale of the failure.

Champion shall be under no liability for warranty if the Products or parts have been misused in anyway or not operated in the conditions for which it is designed.

Champion shall be under no liability for warranty if the Products or parts have been altered or modified from the original manufacturer's specification other than by the fitting of Champion approved options and accessories.

Champion shall be under no liability for warranty if the Products is not serviced in accordance with the published service schedules. Champion genuine or approved parts, oils and lubricants are recommended. Warranty does NOT mean or include free maintenance.

No warranty will be accepted for natural wear or tear of the Products.

No warranty will be accepted for damage caused by fire or force majeure.

Champion shall be under no liability for warranty if the customer fails to notify Champion within the warranty period and within 60 days after repair of a defect.

The warranty conditions detailed in this policy document take precedence over the references to warranty contained in the Champion Conditions of Sale.

The warranty period on components supplied or successfully claimed under warranty will not exceed the remainder of the Products' warranty period.

Warranty is not transferable on Products or parts resold into the marketplace.

Any changes to the Champion warranty policy for specific customer requirements must have the written permission of the Champion Warranty Manager.

## 1.2 DELIVERY AND COMMISSIONING

### 1.2.1 Post delivery inspection

Every effort will be made by Champion to ensure Products are delivered free from damage. However, on receipt a thorough examination of the Products must be made. If a consignment is damaged in transit the customer/distributor must promptly (and no later than 2 days after receipt) report the extent of the damage to the shipping/despatch section of the relevant division or site.

Where Champion have undertaken the arrangements for carriage they will seek reimbursement direct from the carrier, otherwise it is for the recipient to claim against the carrier.

In the event of transit damage occurring using a Champion carrier the following action is required, in order that Champion can make a claim against the carrier's insurance policy. Immediately notify the carrier's driver and note the damage on the delivery note. Then notify the S.O.P Manager at the correct Champion site who will then need the following information.

- Date received.
- Date damage discovered
- Description of damage (where possible supported by photographs)
- Order reference number
- Copy of delivery note

### 1.2.2 Installation and commissioning

All compressor and dryer installations must be carried out, and/or checked by "trained personnel" prior to commissioning. Any problems should be reported to the relevant Champion division/site and the customer immediately. Where any installation and commissioning have been carried out by the end user, and are subsequently found to be incorrect and contributed to the failure, the warranty will become void.

Under no circumstances should the Products be put into operation if there is any doubt concerning the installation.

Upon completion of the commissioning, an authorised member of the customer staff should be informed of the correct maintenance checks and the method of operation of the Products.

Commissioning forms must be uploaded to the Champion On-Line Warranty Registration System. Missing or incomplete commissioning forms will invalidate your warranty.

The customer is encouraged to enter into a service plan with the Champion Distributor.

## 1.3 WARRANTY DURATION AND OPTIONS

### 1.3.1 Warranty overview by model - range

MODEL - RANGE	WARRANTY DURATION	EXTENDED WARRANTY AVAILABLE
FM02 - FM06 / KA 2-6 Series Screw Compressors	24 Months <sup>1</sup>	✗
FM07 - FM132 Series Screw Compressors	24 Months <sup>1</sup>	✓
Champion Vane Compressors CMPV01-V07	12 Months <sup>1</sup>	✗
Champion Piston Compressors (C-series)	12 Months <sup>1</sup>	✓ (see 2.4)
Champion Dental Compressors	12 Months <sup>1</sup>	✗
Champion Breathing Air Compressors	12 Months <sup>1</sup>	✗
Champion S series Scroll Compressors	12 Months <sup>1</sup>	✗
Champion Dryers	24 Months <sup>1</sup>	✓
Champion Nitrogen Generators CHNP03-400	24 Months <sup>1</sup>	✓
Champion Filters, Water Separators & Accessories	12 Months	✗
Replacement Spare Parts	12 Months	✗

<sup>1</sup> - The complete machine will have a warranty period of as mentioned above from date of commissioning or an additional 6 months from date of despatch ex Champion which ever is the soonest.

**Champion recommends that only genuine Champion or approved parts be used, and that service be carried out by a authorised Champion trained service engineer.**

### 1.3.2 Replacement spare parts

The warranty period for replacement parts excluding air ends, motors and consumable spare parts shall be 12 months ex Gardner Denver. The extent of this will be replacement part only.

Champion will not warrant adjacent components to the replacement part

Any defective spare part found prior to installation should be processed directly with the Champion parts department, not as a warranty claim.

### 1.3.3 Extended warranty

Champion offer an Extended Warranty programme on selected models. Additional fees and terms & conditions apply. Please refer to the terms and conditions of the Extended Warranty Programmes.

## 1.4 WARRANTY REGISTRATION REQUIREMENTS

All machinery mentioned in 1.3.1 and 2.1.1 must be registered by the Champion Distributor on the Champion On-Line warranty system (<https://champion.support>), within 90 days from the installation/start up of the new equipment. Spare parts do not require registration.

No warranty will be provided for machines mentioned in 1.3.1 and 2.1.1 not registered within the above mentioned criteria.

Comprehensive end user details are required along with any supporting documents that are requested by our on-line registration system.

Champion reserves the right to refuse warranty for registrations that have been submitted incorrectly.

Please contact Champion for further details and access to the On-Line Warranty System.

## 1.5 WARRANTY CLAIM PROCESS

All warranty claims must be submitted by the Champion Distributor or Champion Sales Organisation using the Champion On-Line warranty system (<https://champion.support>), within 60 days from the date of repair. No warranty claims will be accepted without prior registration of the equipment.

No warranty claims will be accepted if submitted via fax, post or e-mail unless otherwise agreed by Champion under exceptional circumstances.

Champion reserves the right to refuse warranty for claims that have been submitted incorrectly.

Please contact Champion for further details and access to the On-Line Warranty System.

## 1.6 COMPONENT RETURN

All failed components must be kept by yourselves. Champion will either notify you of the need to return the component to us, or that you can dispose of the component.

The purchaser shall retain the claimed part or product for six (6) months after the claim has been submitted by the purchaser for Champion's inspection and on request the alleged defective part shall be sent to a destination designated by Champion at the Purchaser's costs. No products may be returned by the Purchaser to the Company without Champion's prior written consent, and Champion will not accept any liability for costs incurred by the Purchaser in connection with returning products or parts. After warranty handling, the title to the defective parts shall be transferred to Champion.

## 1.7 PARTS EXCLUDED FROM STANDARD WARRANTY

- Normal service items and time (including Spin on Oil Filters, Spin on Fine Separator Filters, Drive Belts, Pulleys, Hoses and Victaulic and Flexmaster Couplings, Solenoids), unless the fault is caused by design or manufacture defect.
- Inspection and adjustment of valves, timers and pressure switches
- Accidental damage to panel work
- Damage caused as a result of ambient operating conditions such as but not limited to extreme temperatures, excessive dust and dirt and extreme humidity. These conditions require a more frequent service interval than the standard service recommendation to prevent damage to the machinery

## 1.8 Labour and travel compensation

Labour will be credited at the standard warranty rates prevailing at the point the claim is made and will be limited to the officially published "Service and Warranty Time Guide", which is available on <https://champion.support>. Travel cost will be compensated at discretion of Champion, but will be limited to 2 hours, unless exceptional circumstances are agreed between the distributor and Champion Warranty department. All labour claims are subject to audit if Champion believes the hours claimed on a warranty job are excessive or unreasonable. Compensation rates are agreed between Champion and the distributor.

Portable Reciprocating (Piston) Air Compressors, inclusive of petrol/diesel machines:  
no travel time allowance, "back to base" warranty only.

All warranties are return to Champion or local authorized distributor.

## 2 CHAMPION 5 YEAR EXTENDED WARRANTY

Unless specifically mentioned in section 2 all standard warranty terms and conditions described in section 1 will apply.

Champion 5 year extended warranty offering is only available for equipment owners who have paid the appropriate fees and maintains the equipment according to the published service schedule using Champion genuine service kits and ChampLUBE lubricants.

The cost for the extended warranty must be paid at the time of ordering your equipment. Extended Warranty is not available on all models supplied by Champion; please see section 2.1 for details.

### 2.1 CHAMPION 5 YEAR EXTENDED WARRANTY ELIGIBLE MODELS - RANGES

MODEL - RANGE	WARRANTY DURATION	ORDER NUMBER	COST 2021
FM 7 - 22 Series Screw Compressors (FS/VS)	5 Years <sup>1</sup>	CC1180791	See Price List
FM 30 - 132 Series Screw Compressors (FS/VS)	5 Years <sup>1</sup>	CC1180793	See Price List
Champion dryers/refrigerators <sup>2</sup>	5 Years <sup>1</sup>	CC1180791	See Price List
Champion Nitrogen Generators <sup>2</sup> (CHNP range)	5 Years <sup>1</sup>	CC1180791	See Price List

<sup>1</sup> - 5 Years (60 months) from commissioning or 66 months from shipment factory (whichever is the soonest)

<sup>2</sup> - Only valid when the compressed air system has Champion Filters and Pre-Filters installed.

### 2.2 CHAMPION 5 YEARS EXTENDED WARRANTY TERMS & CONDITIONS

Champion 5 Years Extended Warranty provides up to 5 years coverage from commissioning or 66 months from shipment factory, whichever is the soonest.

The compressor, dryer or nitrogen generator must be installed and commissioned by a Champion authorised service provider.

In order to validate the Champion 5 Years Extended Warranty the machinery owner must instruct the Champion authorised service provider to submit the "Extended Warranty order form" to Champion Customer Service and register the warrantable machinery within 90 days of commissioning. Proof of payment is required, a completed and returned (from Champion Customer Service) order form must be uploaded to the Repsnet Registration system.

The warrantable machinery owner must allow the Champion authorised service provider to deliver the Champion service plan.

Only Champion authorised service providers can provide service within the Champion 5 Years Extended Warranty period.

Genuine Champion service kits and lubricants must be used at all times and at the recommended service interval as per the corresponding Champion 5 Years Extended Warranty equipment operating manuals. Only if no kits are available, individual genuine spare parts are allowed.

It is the responsibility of the Champion Authorised Service Provider to ensure that all services and service kits used are registered using the QR Code service registration process. Failure to do so will invalidate the extended warranty. Dryers and Generators are currently exempt from the QR code service registration.

The equipment owner is responsible for all daily and weekly checks as detailed in the user handbook.

Failure to allow the service schedule to be delivered by a Champion authorised service provider will invalidate the warranty, which will then revert to the unexpired portion (if any) of the standard warranty associated with this warrantable equipment.

#### Important notes

- Documentary proof of all additional cost not related to replacing parts
- Claims must be submitted within 60 days from repair date otherwise claim will be void
- Service items are guaranteed to the hour's limit specified in the official Champion service schedule. Site operating environment may reduce these periods e.g. Air filters in very dusty conditions.
- Parts will be issued free of charge or credited at the price paid for them at Champion's discretion.

## 2.3 CHAMPION 5 YEARS EXTENDED WARRANTY EXCLUSIONS

- Oil thermostatic valve, Shaft Seals, Oil Filters, Air Filters, Cabinet Filters, Drive Belts, Pulleys, Drive Couplings and Associated rubbers, Hoses and Victaulic and Flexmaster Couplings, Pressure and Temperature Sensors, Solenoids, contactors, batteries, inverter fans, software, Intake Valves, Minimum Pressure Valves
- Machines sold as non standard without Champion involvement
- Normal service items and time
- Labour and travel
- Lubricants
- Inspection and adjustment of valves, timers and pressure switches
- Accidental damage to panel work
- Damage caused as a result of ambient operating conditions such as but not limited to extreme temperatures, excessive dust and dirt and extreme humidity. These conditions require a more frequent service interval than the standard service recommendation to prevent damage to the machinery
- If the installation contain Non Champion branded Pre-Filtration no extended warranty will be given under Champion 5 Years Extended Warranty.
- If the installation contain Non Champion branded Post-Filtration no extended warranty will be given for Dryers or Nitrogen Generators under Champion 5 Years Extended Warranty. Standard warranty conditions only will apply.
- General cleaning of components
- Tightening of electrical connections
- The cost of repairing or replacing components due to adverse conditions e.g. Air/Oil filters, Lubricants, Contactors
- Parts not replaced or checked at specified service intervals
- Additions to the compressor/installation not approved by Champion
- Application of an incorrect or abnormal power supply
- Defective external wiring or electrical connections which are not part of the compressor
- Foreign bodies, negligent use, wilful abuse or misuse
- Fire
- Force majeure
- Exposed to weather conditions
- Re-siting of the compressor if not approved by the authorised service provider and notified in writing to the Champion Warranty department
- Any machinery not permanently sited e.g. hire or mobile units
- Repairs not carried out by the authorised service provider
- Loss of use or charges incurred arising from failure of the compressor
- Champion does not accept consequential liability of any nature whatsoever

Champion reserves the right to monitor content and delivery of service plans to ensure quality standards are maintained within any territory Champion 5 Years Extended Warranty are installed in.

## 2.4 Extended Pump Unit Warranty (excluding C-Base and C-Engine Compressors)

An additional 12 months warranty is available to the compressor pump unit on Stationary Piston Compressors.

To qualify a full valve service, gasket and intake filter service is required, carried out by an authorized service agent at 12 months from installation. All spare parts must be supplied by Champion. The full cost of the service is to be borne by the owner of the air compressor.

To qualify for the extended warranty you must complete the Extended Pump Warranty Order Form, available on Repsnet (<https://champion.support>), and purchase the Gasket, Valve Plate, NRV kits and the intake filter, by submitting this form to Champion Customer Service and register the warrantable compressor within 30 days after the expiry of the 1 year standard warranty.

Any warranty claims from 12 to 24 months on the pump unit must be backed up by a service worksheet from the authorized distributor whom carried out service at the first.

### 2.4.1 Exclusions Extended Pump Unit Warranty

- Any service item, i.e. air filter, gaskets, non-return valves etc.
- Low or No lubricating oil (where applicable).
- Incorrect or contaminated fuel (petrol/diesel air compressors).
- Adjustments to throttle cable or idle controls (petrol/diesel air compressors).
- Faults arising due to the use of the product outside of its design criteria.
- Any faults arising from poor ventilation.
- Any faults due to the use of the air compressor in outdoor conditions.
- Any faults arising from the fitting of non-genuine components or spare parts
- Incorrect electrical or mechanical installation
- Use of extension lead (1 phase only)
- Normal wear & tear / Accidental Damage
- Warranty on products where servicing or commissioning has not been done in strict accordance with manufacturer's guidelines will be revoked

## 2.5 EQUIPMENT OWNERS OBLIGATIONS

- The owner must pay the appropriate fee for the extended warranty at the time of purchase to the authorised distributor who collects such fee on behalf of Champion there are certain conditions incumbent upon him to maintain the presence of his machinery in the Champion 5 Years Extended Warranty programme. The program can not be purchased after the commissioning of warranted Product.
- The customer must have his new machinery commissioned by an authorised Champion service provider and have the installation approved by the authorised service providers engineer.
- The machinery owner agree to a Champion authorised service agreement, which covers the period of the Champion 5 Years Extended Warranty warranty. .
- The machinery owner must allow the authorised service provider to deliver the service plan or Champion authorised service agreement in line with the published Champion 5 Years Extended Warranty service schedule. No other party can provide service other than Champion itself or a authorised Champion service provider.
- Genuine Champion parts and ChampLUBE lubricants must be used in all repairs.
- Genuine Champion kits must be used for all services, in case no kit is available individual genuine parts must be used.
- Genuine ChampLUB Lubricants must be used during the Champion 5 Years Extended Warranty warranty period.
- The machinery owner is responsible for all daily checks as detailed in the user handbook/service schedule.
- The machinery owner is responsible for ensuring site installation conditions are maintained at the level existing when the commissioning form was completed.

- If the machinery owner fails to allow delivery and validation of the service schedule, this will invalidate his Champion 5 Years Extended Warranty registration. The machinery will then revert to standard warranty cover providing the periods shown in section 1.3 have not expired.
- Failure to comply with any of the conditions in this section will result in the termination of the Champion 5 Years Extended Warranty cover for the machinery in question
- Should the machinery owner breach any conditionality and have Champion 5 Years Extended Warranty withdrawn, re-registration will not be possible.

## 2.6 Service Provider obligations

- The selling entity seeking to register a machine to the Champion 5 Years Extended Warranty programme must be an authorised Champion service provider.
- The authorised Champion service provider must collect the Extended warranty fee from the end user and ensure this is paid to Champion. If no payment is received by Champion the equipment is not covered by an extended warranty. Champion doesn't accept any responsibility or accept liability in case the service provider fails to pay the appropriate fee to Champion or fails to register the warranty.
- In the case of a new machine sale the equipment must be commissioned as per the guidelines and a fully completed registration and commissioning form must be entered into the Champion warranty system within 90 days of commissioning.
- Equipment owner details must be provided during the registration.
- Champion reserves the right to check the service registration in case of any warranty claim under the Champion 5 Years Extended Warranty Program.
- The Champion authorised service provider must ensure that the customer has agreed to a Champion authorised service plan and must ensure that all agreed services are delivered according to the Champion 5 Years Extended Warranty service plan schedules, using only Champion Genuine parts and ChampLUBE lubrication.
- Failure to adhere to any of the conditions above will result in the machinery being ineligible for Champion 5 Years Extended Warranty and receiving only standard warranty cover, if still applicable as per section 1.3.
- The authorised service provider is responsible for maintaining full service records using the QR registration process. This information along with copies of the Champion 5 Years Extended Warranty registration certificate, commissioning form and service agreements can be audited upon demand by Champion.
- The compressor owner's Champion 5 Years Extended Warranty registration certificate can be downloaded from the Champion Warranty System. It is the responsibility of the authorised service provider to ensure that these documents are given to the compressor owner.
- Failure to adhere to the use of the QR Codes, servicing the compressor with genuine parts, lubricants and according to the published Service Schedules will render the warranty invalid
- Genuine Champion parts must be used for all repairs.
- Genuine Champion kits must be used for all services.
- Champion reserves the right to audit authorised service provider performance, evidence of inability to implement and/or maintain the Champion 5 Years Extended Warranty programme may lead to the loss of authorised service provider status.

## 3 AUTHORISED DISTRIBUTOR STATUS

Champion is the sole arbiter of whether a selling entity is an authorised Champion service provider.

There is no agreement between Champion and any of its channels to market that automatically confers authorised service provider status.

Only Champion authorised service providers are eligible to register compressors to the Champion 5 Years Extended Warranty programme or be contracted to support an Champion 5 Years Extended Warranty Service agreement.

As a minimum standard an authorised service provider must have currently trained and qualified engineers on all the

products eligible for the Champion 5 Years Extended Warranty scheme that it is entitled to sell and support.

Champion has the absolute right to remove authorised service provider status at any time and reassign machines in the Champion 5 Years Extended Warranty scheme to any other authorised service provider of its choosing.

Should an authorised service provider have its distribution agreement terminated Champion has the absolute right to reassign those machines it registered into the Champion 5 Years Extended Warranty scheme to any other authorised service provider of its choosing.

## **4 Disclaimer**

The remedy provided under this warranty shall be the sole, exclusive and only remedy available to the Purchaser and in no case shall Champion be subject to any other obligations or liabilities. Under no circumstances shall Champion be liable to the Purchaser or otherwise for liquidated, special, indirect, incidental, exemplary, or consequential damages, expenses, losses or costs, whatsoever, including, without limitation, lost profits, loss of use, loss of contracts, or facility downtime, howsoever caused.

Under no circumstances or conditions shall Champion's liability, whether in respect of one claim or in the aggregate, arising out of any contract exceed the purchase price payable under the contract to Champion for the subject equipment or parts.

No statement, representation, agreement or understanding, oral or written, made by any agent, distributor, representative, or employee of Champion which is not contained in this Warranty document, will be binding upon Champion unless made in writing and executed by an officer of Champion.

## **5 Statutory rights**

The terms and conditions do not affect the customer's statutory rights.



## **CHAMPION 5 YEARS EXTENDED WARRANTY SERVICE SCHEDULES**

The following service schedules apply to Standard Warranty as well as Champion 5 Years Extended Warranty Programme

**ALWAYS USE GENUINE PARTS AND LUBRICANTS FOR MAXIMUM PROTECTION AND EFFICIENCY**

## FM02 - FM6 SERVICE SCHEDULE

			DAILY <sup>2</sup>	EVERY 500 HOURS <sup>1</sup>	EVERY 2000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 4000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 8000 HOURS OR 24 MONTHS <sup>1</sup>	EVERY 12000 HOURS OR 48 MONTHS <sup>1</sup>	EVERY 16000 HOURS OR 48 MONTHS <sup>1</sup>
SERVICE A	C-Pro Controller	Check fault indicator lights and alarms	•	•	•	•	•	•	•
	Condensate Drain and Strainer	Check autom. condensate discharger	•	•	•	•	•	•	•
	Air Tank	Discharge oil separator condensate	•	•	•	•	•	•	•
	Oil System	Check oil level	•	•	•	•	•	•	•
SERVICE C	Oil System	Check oil leaks			•	•	•	•	•
	General	Clean inside compressor			•	•	•	•	•
	Air Filter	Clean air filter			•	•	•	•	•
	Drive Belts	Check belt tension			•	•	•	•	•
	Electrical Wiring	Check connections and condition			•	•	•	•	•
	Relief Valve	Check operation of pressure relief valve			•	•	•	•	•
	Aftercooler/Oil Cooler	Clean cooler externally			•	•	•	•	•
	Oil System	Clean oil return line			•	•	•	•	•
	Oil Filter	Renew oil filter element			•	•	•	•	•
	Air Filter	Renew air filter element			•	•	•	•	•
D	Separator Filter	Replace oil separator cartridges				•	•	•	•
	Oil System	Renew oil (ChamPLUBE)				•	•	•	•
SERVICE E	Valves	Refurbish Manifold					•		•
	Valves	replace MPV element					•		•
	Probes	Replace temperature probe					•		•
	Valves	Replace inlet Valve					•		•
ADDITIONAL	Drive Belts	Replace the belts and check drive pulleys, replace if worn out						•	
	Probes	Replace Pressure Sensor							•
	Air End	Replace shaft seal kit							•
	OIL HOSES	Replace oil hoses							•
	Drive Motor	Check and retighten main motor cables							•
	Air End	Replace Air End							

Predictive - only when required

<sup>1</sup> Whichever occurs soonest

<sup>2</sup> Normally undertaken by end user through visual check

# Inspection of the pressure vessel in accordance with local guidelines

Where the compressor is part of an integrated unit, please refer to the separate dryer manual for any dryer related service tasks. Receiver certification beyond the initial period is the customers responsibility.

Please refer to the Operators handbook if there are specific local service requirements relevant to the territory you are in e.g. Oil and Filter change intervals which may be different to those shown above.

Service intervals will be shorter depending on the ambient operating conditions (heat, humidity, dirt etc.), affecting Lubricants, filters, separators etc.

## KA02 - KA6 SERVICE SCHEDULE

									
			DAILY <sup>2</sup>	EVERY 500 HOURS <sup>1</sup>	EVERY 2000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 4000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 8000 HOURS OR 24 MONTHS <sup>1</sup>	EVERY 12000 HOURS OR 72 MONTHS <sup>1</sup>	EVERY 16000 HOURS OR 72 MONTHS <sup>1</sup>
SERVICE A	Controller	Check fault indicator lights and alarms	•	•	•	•	•	•	•
	Condensate Drain and Strainer	Check autom. condensate discharger	•	•	•	•	•	•	•
	Air Tank	Discharge oil separator condensate	•	•	•	•	•	•	•
	Oil System	Check oil level	•	•	•	•	•	•	•
SERVICE C	Oil System	Check oil leaks		•	•	•	•	•	•
	General	Clean inside compressor		•	•	•	•	•	•
	Air Filter	Clean air filter		•	•	•	•	•	•
	Drive Belts	Check belt tension		•	•	•	•	•	•
	Electrical Wiring	Check connections and condition		•	•	•	•	•	•
SERVICE D	Oil Filter	Renew oil filter element			•	•	•	•	•
	Air Filter	Renew air filter element			•	•	•	•	•
	Separator Filter	Replace oil separator cartridges			•	•	•	•	•
	Oil System	Renew oil (ChampLUBE)			•	•	•	•	•
	Relief Valve	Check operation of pressure relief valve			•	•	•	•	•
	Aftercooler/Oil Cooler	Clean cooler externally			•	•	•	•	•
	Oil System	Clean oil return line			•	•	•	•	•
	Valves	Change safety valve			•	•	•	•	•
	General	Clean recovery nozzle			•	•	•	•	•
SERVICE E	Valves	Thermostatic valve KIT				•	•	•	•
	Valves	Non Return Valve				•	•	•	•
	Gaskets	Tank cap gasket				•	•	•	•
	Filters	Control cabinet filter replacement				•	•	•	•
ADDITIONAL	Drive Belts	Replace the belts and check drive pulleys, replace if worn out				•	•	•	•
	Inlet valve	Replace seal kits of inlet valve				•	•	•	•
	Valves	Suction valve KIT				•	•	•	•
	Valves	Minimum pressure valve KIT				•	•	•	•
	Oil Hoses	Replace oil hoses				•	•	•	•
	Drive Motor	Check and re-tighten main motor cables				•	•	•	•
	Air End	Replace shaft seal kit				•	•	•	•
	Air End	Replace Air End							

Predictive - only when required

<sup>1</sup> Whichever occurs soonest

<sup>2</sup> Normally undertaken by end user through visual check


# Inspection of the pressure vessel in accordance with local guidelines

Where the compressor is part of an integrated unit, please refer to the separate dryer manual for any dryer related service tasks. Receiver certification beyond the initial period is the customers responsibility.

Please refer to the Operators handbook if there are specific local service requirements relevant to the territory you are in e.g. Oil and Filter change intervals which may be different to those shown above.

Service intervals will be shorter depending on the ambient operating conditions (heat, humidity, dirt etc.), affecting Lubricants, filters, separators etc.

## FM7-FM22 SERVICE SCHEDULE

									
			DAILY <sup>2</sup>	WEEKLY <sup>2</sup>	EVERY 2000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 4000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 8000 HOURS OR 24 MONTHS <sup>1</sup>	EVERY 20000 HOURS OR 60 MONTHS <sup>1</sup>	EVERY 24000 HOURS OR 72 MONTHS <sup>1</sup>
SERVICE A	Controller	Note and record sump pressure	*	*	*	*	*	*	*
	Controller	Note and record discharge pressure	*	*	*	*	*	*	*
	Controller	Note and record discharge temperature	*	*	*	*	*	*	*
	Enclosure Filters	Check condition, clean if required	*	*	*	*	*	*	*
	Scavenge oil system	Check operation	*	*	*	*	*	*	*
SERVICE B	Controller	Check fault history		*	*	*	*	*	*
	Controller	Check for any service requirements		*	*	*	*	*	*
	Oil System	Check oil level and top up if required		*	*	*	*	*	*
	Aftercooler/Oil Cooler	Check condition, clean if required		*	*	*	*	*	*
SERVICE C	Oil Filter	Renew oil filter element			*	*	*	*	*
	Air Filter	Renew air filter element			*	*	*	*	*
	Oil System	Renew oil (ChamplUBE)				*	*	*	*
	Dryer Cooling Air Inlet Filter <sup>3</sup>	Renew cooling air inlet filter				*	*	*	*
	Control System	Check operation				*	*	*	*
	Blowdown System	Check operation				*	*	*	*
	Electrical Wiring	Check connections and condition				*	*	*	*
	Controller	Check connections and plugs				*	*	*	*
	Separator Filter	Renew separator filter				*	*	*	*
	Oil Scavenge System	Clean and check operation				*	*	*	*
	Relief Valve	Functionally test				*	*	*	*
	Drive Belts <sup>3</sup>	Check condition of belts and renew if required				*	*	*	*
SERVICE D	Minimum Pressure Valve	Renew minimum pressure valve						*	*
	Intake Valve	Overhaul intake valve					*	*	*
	Emergency Stop Button	Test emergency stop button					*	*	*
	VSD Drive/Starter	Check condition of contacts and renew if required					*	*	*
ADDITIONAL	Air End	Renew air end shaft seal							*
	Shaft Seal Oil Return Tube	Renew shaft seal oil return tube							*
	Oil Hoses	Check condition and renew if required						*	*
	Control Solenoids	Renew control solenoids						*	*
	Drive Belts	Renew drive belts						*	*
	Drive Motor Bearings	Renew drive motor bearings							*
	Drive Motor AVM's	Check drive motor Anti Vibration Mounts							*
	Air End Discharge Temperature Sensor	Renew temperature sensor							*
	Oil Bypass Element	Renew oil bypass element							*
	Air End AVM's	Check air end Anti Vibration Mounts							*
	Air End	Renew Air End							

Predictive - only when required

<sup>1</sup> Whichever occurs soonest

<sup>2</sup> Normally undertaken by end user through visual check

<sup>3</sup> If applicable


# Inspection of the pressure vessel in accordance with local guidelines

Where the compressor is part of an integrated unit, please refer to the separate dryer manual for any dryer related service tasks. Receiver certification beyond the initial period is the customers responsibility.

Please refer to the Operators handbook if there are specific local service requirements relevant to the territory you are in e.g. Oil and Filter change intervals which may be different to those shown above.

Service intervals will be shorter depending on the ambient operating conditions (heat, humidity, dirt etc.), effecting Lubricants, filters, separators etc.

## FM 30-132 SERVICE SCHEDULE

								
			DAILY <sup>1</sup>	WEEKLY <sup>2</sup>	EVERY 4000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 8000 HOURS OR 24 MONTHS <sup>1</sup>	EVERY 20000 HOURS OR 60 MONTHS <sup>1</sup>	EVERY 24000 HOURS OR 72 MONTHS <sup>1</sup>
SERVICE A	Controller	Note and record sump pressure	*	*	*	*	*	*
	Controller	Note and record discharge pressure	*	*	*	*	*	*
	Controller	Note and record discharge temperature	*	*	*	*	*	*
	Enclosure Filters	Check condition, clean if required	*	*	*	*	*	*
	Scavenge oil system	Check operation	*	*	*	*	*	*
SERVICE B	Controller	Check fault history		*	*	*	*	*
	Controller	Check for any service requirements		*	*	*	*	*
	Oil System	Check oil level and top up if required		*	*	*	*	*
	Aftercooler/Oil Cooler	Check condition, clean if required		*	*	*	*	*
SERVICE C	Oil Filter	Renew oil filter element			*	*	*	*
	Air Filter	Renew air filter element			*	*	*	*
	Oil System	Renew oil (Mineral or Foodgrade)			*	*	*	*
	Oil System <sup>5</sup>	Renew oil (Synthetic) AEON9000				*	*	*
	Dryer Cooling Air Inlet Filter <sup>3</sup>	Renew cooling air inlet filter			*	*	*	*
	Control System	Check operation			*	*	*	*
	Blowdown System	Check operation			*	*	*	*
	Electrical Wiring	Check connections and condition			*	*	*	*
	Controller	Check connections and plugs			*	*	*	*
	Inlet Water Strainer <sup>4</sup>	Check condition, clean if required			*	*	*	*
	Separator Filter	Renew separator filter			*	*	*	*
	Pipe work	Replace Victaulic Couplings			*	*	*	*
	Oil Scavenge System	Clean and check operation			*	*	*	*
	Relief Valve	Functionally test			*	*	*	*
	Oil Scavenge System	Renew oil scavenge tubing				*		*
SERVICE D	Minimum Pressure Valve	Renew minimum pressure valve				*		*
	Intake Valve	Overhaul intake valve				*		*
	Emergency Stop Button	Test emergency stop button				*		*
	Motor Drive Coupling Insert	Check condition and renew if required				*		*
	VSD Drive/Starter	Check condition of contacts and renew if required				*		*
	Air End	Renew air end shaft seal						*
ADDITIONAL	Shaft Seal Oil Return Tube	Renew shaft seal oil return tube						*
	Oil Hoses	Check condition and renew if required					*	*
	Control Solenoids	Renew control solenoids					*	*
	Drive Belts <sup>3</sup>	Renew drive belts					*	*
	Drive Motor Bearings	Renew drive motor bearings						*
	Drive Motor AVM's	Check drive motor Anti Vibration Mounts						*
	Air End Discharge Temperature Sensor	Renew temperature sensor						*
	Oil Bypass Element	Renew oil bypass element						*
	Air End AVM's	Check air end Anti Vibration Mounts						*
	Air End	Renew Air End						*

Predictive - only when required

<sup>1</sup> Whichever occurs soonest

<sup>2</sup> Normally undertaken by end user through visual check

<sup>3</sup> If applicable

# Inspection of the pressure vessel in accordance with local guidelines

Where the compressor is part of an integrated unit, please refer to the separate dryer manual for any dryer related service tasks. Receiver certification beyond the initial period is the customers responsibility.

Please refer to the Operators handbook if there are specific local service requirements relevant to the territory you are in e.g. Oil and Filter change intervals which may be different to those shown above.

Service intervals could be shorter depending on the ambient operating conditions (heat, humidity, dirt etc.), affecting Lubricants, filters, separators etc. Service intervals could be shorter depending on the ambient operating conditions (heat, humidity, dirt etc.), affecting Lubricants, filters, separators etc.

## VANE CMPV01-04 KW SERVICE SCHEDULE

		DAILY <sup>2</sup>	WEEKLY <sup>2</sup>	EVERY 2000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 4000 HOURS	EVERY 24000 HOURS
SERVICE A	Site-Adequate ventilation	•	•	•	•	•
	Site-Ambient temperature within limit	•	•	•	•	•
	Site-dust free ambient	•	•	•	•	•
	Check oil level at filler plug/sight glass	•	•	•	•	•
SERVICE B	Check for air leaks		•	•	•	•
	Check for oil leaks		•	•	•	•
	Check air intake filter/clean if necessary		•	•	•	•
	Check oil temperature		•	•	•	•
	Check RSU temperature		•	•	•	•
	Clean any external dirt from compressor		•	•	•	•
	Clean any external dirt from motor		•	•	•	•
SERVICE D	Change Separator cartridge			•	•	•
	Change 2000 hour oil ChampLUBE Vane Lub			•	•	•
	Change air intake filter			•	•	•
	Check/Torque electrical connections			•	•	•
	Check power on load			•	•	•
	Check power off load			•	•	•
	Check servo pressure Off load			•	•	•
	Check motor gland/cables secure			•	•	•
	Check motor for damage			•	•	•
	Check motor / starter for loose connections			•	•	•
	Check motor cables and earth			•	•	•
	Check motor for vibration			•	•	•
	Check oil seal for leakage			•	•	•
EXTRA	Grease motor bearings				•	•
	Check starter contactors				•	•
OVERHAUL SERVICE	Change unloader valve seals					•
	Change MPV seals					•
	Change vacuum valve seals					•
	Change thermal motor					•
	Change drive media/key					•
	Change oil seal					•
	Change pressure gauge					•
	Change motor bearings					•
	Full Air End Inspection (internal)					•
	Clean servo filter					•
	Check correct drive rotation					•
	Check motor insulation resistance					•

<sup>1</sup> Whichever occurs soonest


<sup>2</sup> Normally undertaken by end user through visual check

# Inspection of the pressure vessel in accordance with local guidelines


Please refer to the Operators handbook if there are specific local service requirements relevant to the territory you are in e.g. Oil and Filter change intervals which may be different to those shown above.

Service intervals could be shorter depending on the ambient operating conditions (heat, humidity, dirt etc.), affecting Lubricants, filters, separators etc. Service intervals could be shorter depending on the ambient operating conditions (heat, humidity, dirt etc.), affecting Lubricants, filters, separators etc.

## SCROLL 8 Bar - S04 S06 S08 & S07D S11D S15D UNITS SERVICE SCHEDULE

		DAILY <sup>2</sup>	EVERY 500 HOURS OR 2 MONTHS <sup>1</sup>	EVERY 2000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 10,000 HOURS OR 4 YEARS <sup>1</sup>	EVERY 20,000 HOURS OR 8 YEARS <sup>1</sup>	
	Complete Scroll Air End	Inspect for excessive noise and vibration	•				
	Complete Scroll	Check for air Leaks	•				
	Intake Air Filter	Clean and inspect		•			
	V-Belts	Inspect and adjust V-Belts		•			
	Intake Air Filter	Replace intake air filter		•		Replace every 2,000 hours	
	Cooling Fan & Scroll Fins	Inspect and clean			•		
	Scroll Bearings	Re-grease the bearing			•	Replace air end if bearings are damaged	
	Tip Seals & Face Seals	Replace the seals			•		
	Brushes 7Kw only	Replace the drum			•		
	Scroll Air End	Replace the Scroll Air End				•	

## SCROLL 10 Bar - S04 S06 S08 & S07D S11D S15D UNITS SERVICE SCHEDULE

		DAILY <sup>2</sup>	EVERY 500 HOURS OR 2 MONTHS <sup>1</sup>	EVERY 2000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 5000 HOURS OR 2 YEARS <sup>1</sup>	EVERY 10000 HOURS OR 4 YEARS <sup>1</sup>	EVERY 15000 HOURS OR 6 YEARS <sup>1</sup>	
	Complete Scroll Air End	Inspect for excessive noise and vibration	•					
	Complete Scroll	Check for air Leaks	•					
	Intake Air Filter	Clean and inspect		•				
	V-Belts	Inspect and adjust V-Belts		•				
	Intake Air Filter	Replace intake air filter		•			Replace every 2,000 hours	
	Cooling Fan & Scroll Fins	Inspect and clean			•	•		
	Scroll Bearings	Re-grease the bearing			•	•	Replace air end if bearings are damaged	
	Tip Seals & Face Seals	Replace the seals			•	•		
	Brushes 7Kw only	Replace the drum			•	•		
	Scroll Air End	Replace the Scroll Air End					•	

<sup>1</sup> Maintenance time intervals are based on operating hours or calendar date, whichever occurs first.  
If the compressor is operating at full pressure and is constantly running, reduce the service intervals by 25%  
For operating conditions where ambient temperature is higher than 77°F or 25°C the maintenance intervals are greatly reduced, please refer to the manual for more information

<sup>2</sup> Performed by the end user

# Inspection of the pressure vessel in accordance with local guidelines

## Portables CMP-P10, CMP-P12, CMP-P14 SERVICE SCHEDULE

			EACH START UP	FIRST 20 HOURS OF OPERATION	EVERY 100 HOURS OR 6 MONTHS <sup>1</sup>	EVERY 300 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 24 MONTHS <sup>1</sup>
Compressor	Check safety valve		•	•	•	•	•
Compressor	Check retaining bolts & nuts (adjust if necessary)			•	•	•	•
Compressor	Check & clean oil filter			•	•	•	•
Compressor	Check & clean air filter				•	•	•
Compressor	Clean oil cooler				•	•	•
Compressor	Check the 2 belts tension (adjust if necessary)				•	•	•
Compressor	Drain & replace compressor oil			•	•	•	•
Compressor	Replace separator cartridge					•	•
Compressor	Replace air filter					•	•
Compressor	Replace belts						•
Engine	Drain & replace engine oil			•	•	•	•
Engine	Replace engine oil filter				•	•	•
Engine	Replace engine oil filler gasket					•	•
Engine	Replace engine air filter					•	•
Engine	Replace engine fuel filter					•	•
Engine	Replace engine spark plugs					•	•

<sup>1</sup> Maintenance time intervals are based on operating hours or calendar date, whichever occurs first.

Recommended oils -


The engine oil (2 liter) is included in the service kits. Champion only recommends this oil.

The compressor oil that is recommended is SCUO2000-5GT. Please ask your distributor for further information.

Fuel:- Use automotive gasoline (unleaded)

## OIL LUBRICATED PISTON COMPRESSOR SERVICE SCHEDULE

C-Base, C-Line, C-Advanced, C-Pro, C-Engine series

						
		EVERY 50 HOURS	EVERY 100 HOURS	WEEKLY	YEARLY	
	clean suction filter element	•	•			
	change oil in oil pump		•			
	Drain condensate tank			•	•	
	check oil level - top up if required			•	•	
	replace filter element				•	

## C-SILENCED PISTON COMPRESSOR SERVICE SCHEDULE

CS3, CS4, CS6, CS10, CS15 range

		EVERY 100 HOURS	EVERY 500 HOURS	WEEKLY	MONTHLY	YEARLY
	Drain condensate tank			•	•	•
	Drain condensate - pressure switch			•	•	•
	clean suction filter element			•	•	•
	check oil level - top up if required	•				
	change oil in oil pump		•			
	replace filter element					•

## C-SILENCED REFRIGERATION DRYER SERVICE SCHEDULE

		DAILY <sup>2</sup>	WEEKLY	EVERY 4 MONTHS	EVERY 12 MONTHS
Controller	Check POWER ON indicator is lit	•			
Controller	Check control panel indicators	•			
Condensate drain	Check condensate drain		•	•	•
Fins	Clean condenser fins			•	•
Electrical	Check electrical absorption			•	•
Refrigerant	Check refrigerant leaks				•
Drain	Depressurise the dryer. Replace electronic drainer service unit				•
Filtration	Depressurise the dryer. Replace pre- and post-filter elements				•

## COMPRESSOR SERVICE KITS

### SERVICE KITS OIL LUBRICATED SCREW COMPRESSORS

		EVERY 2000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 4000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 8000 HOURS OR 24 MONTHS <sup>1</sup>	EVERY 16000 HOURS OR 48 MONTHS <sup>1</sup>	Overhaul kit Every 5 years or 20,000 hours
FM2-FM6	Fixed Speed	CC1219905	CC1219906	CC1219907	CC1219908 + 8K Kit	
FM7-11	Fixed Speed	CC1221491	CC1180671	CC1180677		CC1180682 + 4K Kit
FM7RS-11RS	Regulated Speed	CC1221491	CC1180672	CC1180678		CC1180682 + 4K Kit
FM15-22	Fixed Speed	CC1221492	CC1180685	CC1180689		CC1180695 + 4K Kit
FM15RS-22RS	Regulated Speed	CC1221492	CC1180686	CC1180690		CC1180695 + 4K Kit
FM30	Fixed Speed		CC1198084	CC1198090		CC1198096 + 4K Kit
FM30RS	Regulated Speed		CC1198086	CC1198092		CC1198098 + 4K Kit
FM37-45	Fixed Speed		CC1180685	CC1198091		CC1198097 + 4K Kit
FM37RS-45RS	Regulated Speed		CC1198087	CC1198093		CC1198099 + 4K Kit
FM55-75	Fixed Speed		CC1198088	CC1198094		CC1198100 + 4K Kit
FM55RS-75RS	Regulated Speed		CC1198089	CC1198095		CC1198102 + 4K Kit
FM90-132	Fixed Speed		SKFM90132-1	MKFM90132		
FM90RS-132RS	Regulated Speed		SKFM90132-1-RS	MKFM90132		

### SERVICE KITS OIL LUBRICATED SCREW COMPRESSORS (Legacy)

		EVERY 2000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 4000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 8000 HOURS OR 24 MONTHS <sup>1</sup>
KA2-KA5		CC1089648	CC1089649	CC1089650
KA7+		CC1089652	CC1125190	CC1125192
KSA - KSV30			CC1121434	CC1121435
KSA - KSV 37-45			CC1121437	CC1121438
KSA 55 - 75	Fixed Speed		CC1154033	CC1154034
KSV 55 - 75	Regulated Speed		CC1154035	CC1154036
KSA11			CC1089657	CC1089658
KBV KSB 15 - 22			CC1178518	CC1180296
KSA90			CC1154033	CC1154034
KSV90			CC1154035	CC1154036

Only the following lubricants are allowed to be used to comply with Champion 5 Years Extended Warranty:

- Mineral lubricant ChampLUBE CC1180019 (5L) - CC1180020 (20L)

<sup>1</sup> Maintenance time intervals are based on operating hours or calendar date, whichever occurs first.

Champion will not accept any responsibility for changes made to service kit numbers, prior to updating this document.

For belts, hoses, shaft seal kits and all other repair spare parts please consult the relevant parts lists

### SERVICE KITS OIL LUBRICATED VANE COMPRESSORS

		EVERY 2000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 24000 HOURS
CMPV01, CMPV02	Fixed Speed	C-AK0102	C-OK0102
CMPV04	Fixed Speed	C-AK04	C-OK04

Only the following lubricants are allowed to be used: Mineral lubricant ChampLUBE Vane Lubricant CC1180033 (1L)

## SERVICE KITS PORTABLE SCREW COMPRESSORS

		AIR END KIT EVERY 300 HOURS OR 12 MONTHS <sup>1</sup>	ENGINE KIT EVERY 300 HOURS OR 12 MONTHS <sup>1</sup>
CMP-P10, CMP-P12, CMP-P18		CC1186378	CC1186379


Only the following lubricants are allowed to be used: Mineral lubricant SCUO2000-5GT

<sup>1</sup> Maintenance time intervals are based on operating hours or calendar date, whichever occurs first.

Champion will not accept any responsibility for changes made to service kit numbers, prior to updating this document.

For belts and all other repair spare parts please consult the relevant parts lists

## SERVICE KITS OIL FREE SCROLL COMPRESSORS

		S04, S06, S08	S07D, S11D, S15D
CC1219757	Air Filter	x 2	x 4
300SMB6029	Tip seal kit 2 & 4kW	x 1	x 2
300SMB6022	Grease 80 grams	Refer to manual for quantities	
302SIA6003	Kit 6kW Bushing & spring	x 1	x 2
300SIA6003	Kit 6kW Service kit (includes tip seal, face seal & grease)	x 1	x 2
301SIA6003	Kit 7kW Service kit (includes tip seal, face seal & grease)	x 1	x 2
CC1220854	Brushes	x 2	x4
300SMB6031	Grease gun		

## SERVICE KITS PISTON COMPRESSORS


### C-Base, C-Line, C-Advanced, C-Pro, C-Engine series

Model ranges	Gasket Kit	Valve Plate Kit	Intake Filter	NRV
CA3 ; CL3 ; CS3	CC55886980	CC91894881	CC55875132	CC55894513
CA4 ; CP4 ; CS4	CC92060037	CC97155576	CC55875132	CC55894513
CA5 ; CL5	CC55893648	CC55893622	CC55898936	CC55894521
CA6; CP6 ; CS6	CC97241376	CC97159594	CC55898936	CC55894521
CA10 ; CL10 ; CP10 ; CS10	CC55893655	CC55894133	CC55898936	CC55894521
CA15 ; CP15 ; CS15	CC55894224	CC55894141	CC55898936	CC55894521
CA28 ; CL28 ; CP28	CC97251615	CC91894881	CC55875140	CC97160634
CB-100-CM2 CB-24-CM2 CB-3-CF2 CB-50-CM2	CC55899108	CC55899090	CC55899132	CC97160634
CB-100-CM3 CB-24-WB3 CB-50-CM3 CB-50V-CM3	CC55899405	CC55899090	CC55899132	CC55904375
CB-100-CM25 CB-24-CM25 CB-50-CM25		CC55899090	CC55890079	CC97160634
CB6			CC55890087	


Only the following lubricants are allowed to be used

- SAE30 - Viscosity 100

## CHAMPION CHR6 - CHR417 REFRIGERATION DRYER SERVICE SCHEDULE

		DAILY <sup>2</sup>	WEEKLY	Monthly	EVERY 12 MONTHS or 2000 hours	EVERY 24 MONTHS or 4000 hours
	Dryer	•	•	•	•	•
	Condensate Drain	•	•	•	•	•
	Dryer		•	•	•	•
	Dryer			•	•	•
	Dryer			•	•	•
	Filter			•	•	•
	Dryer				•	•
	Dryer				•	•
	Filter				•	•
	Dryer					•
	Filter				•	•


## CHAMPION CT3-220 REFRIGERATION DRYER SERVICE SCHEDULE

		DAILY <sup>2</sup>	WEEKLY	EVERY 4 MONTHS	EVERY 12 MONTHS	
	Controller	•				
	Controller	•				
	Condensate drain		•	•	•	
	Fins			•	•	
	Electrical			•	•	
	Refrigerant				•	
	Drain				•	
	Filtration				•	

## Service Parts CT dryers

KIT PART NUMBER		
CC2210BEK057	Service unit for electronic drainer	CT3-CT105
CC2210BEK058	Service unit for electronic drainer	CT130-CT220
See filter guide for the correct filter elements		

## ADSORPTION AIR DRYERS CHAMPION CHA-DRY SERVICE SCHEDULE

							
			DAILY <sup>2</sup>	EVERY 2000 HOURS OR 3 MONTHS <sup>1</sup>	EVERY 8000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 16000 HOURS OR 24 MONTHS <sup>1</sup>	EVERY 56000 HOURS OR 48 MONTHS <sup>1</sup>
	Dryer	Check POWER ON indicator is illuminated	•				
	Dryer	Check STATUS / FAULT indicators located on the controller.	•				
	Dryer	Check for air leaks	•				
	Dryer	Check the condition of electrical supply cables and conduits.		•	•	•	•
	Dryer	Check for cyclic operation.			•	•	•
	Filtration	Check Drain operation		•	•	•	•
A	Dryer	Replace active exhaust silencers Recommended Service A			†	†	†
B	Filtration	Replace the inlet and outlet air filters and service drains. Recommended Service B			†	†	†
D	Dryer	Replace valves Recommended Service D				†	†
E	Dryer	Replace the Desiccant. Recommended Service E					†

<sup>1</sup> Maintenance time intervals are based on operating hours or calendar date, whichever occurs first. • Performed by the operator † Essential maintenance - Service personnel only

## KITS FOR CHA-DRY 6 - 200

	KIT PART NUMBER		
A	CC1182876	1 year silencer replacement kit 06-36	2 x purge exhaust silencer
	CC1182877	1 year silencer replacement kit 75-105	2 x purge exhaust silencer
	CC1182878	1 year silencer replacement kit 150-200	2 x purge exhaust silencer
D	CC1182832	2 year replacement kit 06	4 x replacement control valves
	CC1182835	2 year replacement kit 12	2 x replacement non-return valves
	CC1182818	2 year replacement kit 24	4 x sealing O-ring
	CC1182820	2 year replacement kit 36	2 x nozzle
			2 x purge exhaust silencer
	CC1182821	2 year replacement kit 60	4 x replacement control valves
	CC1182822	2 year replacement kit 75	2 x replacement non-return valves
	CC1182823	2 year replacement kit 105	4 x sealing O-ring
			2 x nozzle
			2 x purge exhaust silencer
	CC1182854	2 year replacement kit 150	4 x replacement control valves
	CC1182855	2 year replacement kit 200	4 x replacement non-return valves
			4 x sealing O-ring
			2 x nozzle
			2 x purge exhaust silencer
E	CC1182857	KIT Service CHA-DRY 06/48	1 x 2 year replacement kit 06-36
		48 months replacement kit	2 x tower tubes including molecular sieve for A-DRY 06
	CC1182858	KIT Service CHA-DRY 12/48	1 x 2 year replacement kit 06-36
		48 months replacement kit	2 x tower tubes including molecular sieve for A-DRY 12
	CC1182859	KIT Service CHA-DRY 24/48	1 x 2 year replacement kit 06-36
		48 months replacement kit	2 x tower tubes including molecular sieve for A-DRY 24
	CC1182860	KIT Service CHA-DRY 36/48	1 x 2 year replacement kit 06-36
		48 months replacement kit	2 x tower tubes including molecular sieve for A-DRY 32
	CC1182861	KIT Service CHA-DRY 60/48	1 x 2 year replacement kit 60-105
		48 months replacement kit	2 x tower tubes including molecular sieve for A-DRY 60
	CC1182862	KIT Service CHA-DRY 75/48	1 x 2 year replacement kit 60-105
		48 months replacement kit	2 x tower tubes including molecular sieve for A-DRY 75
	CC1182863	KIT Service CHA-DRY 105/48	1 x 2 year replacement kit 60-105
		48 months replacement kit	2 x tower tubes including molecular sieve for A-DRY 105
	CC1182874	KIT Service CHA-DRY 150/48	1 x 2 year replacement kit 150-200
		48 months replacement kit	2 x tower tubes including molecular sieve for A-DRY 150
	CC1182875	KIT Service CHA-DRY 200/48	1 x 2 year replacement kit 150-200
		48 months replacement kit	2 x tower tubes including molecular sieve for A-DRY 200

## ADSORPTION AIR DRYERS CHAMPION CHB-DRY SERVICE SCHEDULE


			DAILY <sup>2</sup>	EVERY 2000 HOURS OR 3 MONTHS <sup>1</sup>	EVERY 8000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 16000 HOURS OR 24 MONTHS <sup>1</sup>	EVERY 56000 HOURS OR 48 MONTHS <sup>1</sup>
	Dryer	Check POWER ON indicator is illuminated	•				
	Dryer	Check STATUS / FAULT indicators located on the controller.	•				
	Dryer	Check for air leaks	•				
	Dryer	Check the condition of electrical supply cables and conduits.		•	•	•	•
	Dryer	Check for cyclic operation.			•	•	•
	Filtration	Check Drain operation		•	•	•	•
A	Dryer	Replace active exhaust silencers Recommended Service A			†	†	†
B	Filtration	Replace the inlet and outlet air filters and service drains. Recommended Service B			†	†	†
D	Dryer	Replace valves Recommended Service D				†	†
E	Dryer	Replace the Desiccant. Recommended Service E					†
	Dryer	Clean/Replace Strainers					†
	Dryer	Calibrate Dew-point sensor (optional)			†		

<sup>1</sup> Maintenance time intervals are based on operating hours or calendar date, whichever occurs first. • Performed by the operator † Essential maintenance - Service personnel only

## KITS FOR CHB-DRY 110 - 1000

	KIT PART NUMBER		
A	CC1182775	Silencer kit CHB-DRY 110-250	Silencer service kit for B-DRY 110/150/200/250
	CC1182776	Silencer kit CHB-DRY 300-600	Silencer service kit for B-DRY 300/400/600
	CC1182777	Silencer kit CHB-DRY 800-1000	Silencer service kit for B-DRY 800/1000
D	CC1182893	KIT SERVICE CHB-DRY 110-250/24	Control valves replacement components
		24 months replacement kit	
	CC1182894	KIT SERVICE CHB-DRY 300-600/24	Check valves replacement components
		24 months replacement kit	Silencer service kit
	CC1182895	KIT SERVICE CHB-DRY 800-1000/24	Check valves replacement components
E		24 months replacement kit	Silencer service kit
	CC1182746	KIT SERVICE CHB-DRY 110/48	Control valves replacement components
		48 months replacement kit	Check valves replacement components Silencer service kit
	CC1182747	KIT SERVICE CHB-DRY 150/48	Control valves replacement components
		48 months replacement kit	Check valves replacement components Silencer service kit
	CC1182748	KIT SERVICE CHB-DRY 200/48	Control valves replacement components
		48 months replacement kit	Check valves replacement components Silencer service kit
	CC1182749	KIT SERVICE CHB-DRY 250/48	Control valves replacement components
		48 months replacement kit	Check valves replacement components Silencer service kit
	CC1182750	KIT SERVICE CHB-DRY 300/48	Control valves replacement components
		48 months replacement kit	Check valves replacement components Silencer service kit
	CC1182751	KIT SERVICE CHB-DRY 400/48	Control valves replacement components
		48 months replacement kit	Check valves replacement components Silencer service kit
	CC1182752	KIT SERVICE CHB-DRY 600/48	Control valves replacement components
		48 months replacement kit	Check valves replacement components Silencer service kit
	CC1182753	KIT SERVICE CHB-DRY 800/48	Control valves replacement components
		48 months replacement kit	Check valves replacement components Silencer service kit
	CC1182774	KIT SERVICE CHB-DRY 1000/48	Control valves replacement components
		48 months replacement kit	Check valves replacement components Silencer service kit

## ADSORPTION AIR DRYERS CHAMPION CHX-DRY SERVICE SCHEDULE

							
			DAILY <sup>2</sup>	EVERY 2000 HOURS OR 3 MONTHS <sup>1</sup>	EVERY 8000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 16000 HOURS OR 24 MONTHS <sup>1</sup>	EVERY 56000 HOURS OR 48 MONTHS <sup>1</sup>
A	Dryer	Check POWER ON indicator is illuminated	•				
	Dryer	Check STATUS / FAULT indicators located on the controller.	•				
	Dryer	Check for air leaks	•				
	Dryer	Check the condition of electrical supply cables and conduits.		•	•	•	•
	Dryer	Check for cyclic operation.			•	•	•
	Filtration	Check Drain operation		•	•	•	•
B	Dryer	Replace active exhaust silencers Recommended Service A			†	†	†
D	Filtration	Replace the inlet and outlet air filters and service drains. Recommended Service B			†	†	†
E	Dryer	Replace valves Recommended Service D				†	†
E	Dryer	Replace the Desiccant. Recommended Service E					†
	Dryer	Clean/Replace Strainers					†
	Dryer	Calibrate Dew-point sensor (optional)			†		

<sup>1</sup> Maintenance time intervals are based on operating hours or calendar date, whichever occurs first. • Performed by the operator † Essential maintenance - Service personnel only

## KITS FOR CHX-DRY 350 - 1050

	KIT PART NUMBER		
A	CC1182891	Silencer CHX-DRY 300-1050	Silencer service X-DRY 300-1050
D	CC1182879	KIT Service CHX-DRY 300/24	Control and check valves replacement components
		24 months replacement kit	Silencer service kit
	CC1182880	KIT Service CHX-DRY 450/24	Control and check valves replacement components
		24 months replacement kit	Silencer service kit
	CC1182881	KIT Service CHX-DRY 600/24	Control and check valves replacement components
		24 months replacement kit	Silencer service kit
	CC1182882	KIT Service CHX-DRY 750/24	Control and check valves replacement components
		24 months replacement kit	Silencer service kit
	CC1182883	KIT Service CHX-DRY 900/24	Control and check valves replacement components
		24 months replacement kit	Silencer service kit
E	CC1182884	KIT Service CHX-DRY 1050/24	Control and check valves replacement components
		24 months replacement kit	Silencer service kit
	CC1182885	KIT Service CHX-DRY 300/48	Control and check valves replacement components
		48 months replacement kit	Silencer service kit Adsorbent
	CC1182886	KIT Service CHX-DRY 450/48	Control and check valves replacement components
		48 months replacement kit	Silencer service kit Adsorbent
	CC1182887	KIT Service CHX-DRY 600/48	Control and check valves replacement components
		48 months replacement kit	Silencer service kit Adsorbent
	CC1182888	KIT Service CHX-DRY 750/48	Control and check valves replacement components
		48 months replacement kit	Silencer service kit Adsorbent
E	CC1182889	KIT Service CHX-DRY 900/48	Control and check valves replacement components
		48 months replacement kit	Silencer service kit Adsorbent
	CC1182890	KIT Service CHX-DRY 1050/48	Control and check valves replacement components
		48 months replacement kit	Silencer service kit Adsorbent

## KITS FOR CH-TAC ACTIVATED CARBON TOWERS

	DRYER MODEL	Kit Part Number	
A	CH-TACm 6	CC1189474	Service Kit CH-TACm 6
	CH-TACm 12	CC1189475	Service Kit CH-TACm 12
D	CH-TACm 23	CC1189476	Service Kit CH-TACm 23
	CH-TACm 35	CC1189477	Service Kit CH-TACm 35
	CH-TACm 56	CC1189478	Service Kit CH-TACm 56
	CH-TACm 70	CC1189479	Service Kit CH-TACm 70
	CH-TACm 105	CC1189480	Service Kit CH-TACm 105
	CH-TAC 110	CC1189481	Service Kit CH-TAC 110
	CH-TAC 150	CC1189482	Service Kit CH-TAC 150
	CH-TAC 200	CC1189483	Service Kit CH-TAC 200
	CH-TAC 250	CC1189484	Service Kit CH-TAC 250
	CH-TAC 300	CC1189485	Service Kit CH-TAC 300
	CH-TAC 400	CC1189486	Service Kit CH-TAC 400
	CH-TAC 600	CC1189487	Service Kit CH-TAC 600
E	CH-TAC 800	CC1189488	Service Kit CH-TAC 800
	CH-TAC 1000	CC1189489	Service Kit CH-TAC 1000
	CH-TAC 1200	CC1189490	Service Kit CH-TAC 1200
	CH-TAC 1500	CC1189491	Service Kit CH-TAC 1500
	CH-TAC 2000	CC1189492	Service Kit CH-TAC 2000
	CH-TAC 2500	CC1189493	Service Kit CH-TAC 2500
	CH-TAC 3000	CC1189494	Service Kit CH-TAC 3000
	CH-TAC 3750	CC1189495	Service Kit CH-TAC 3750
	CH-TAC 5000	CC1189496	Service Kit CH-TAC 5000
	CH-TAC 6500	CC1189497	Service Kit CH-TAC 6500

## FILTER GUIDE

FILTER ELEMENTS MUST BE REPLACED AT LEAST EVERY 12 MONTHS

FILTER TYPE	M <sup>3</sup> /MIN	SIZE	FILTER ID NO	FILTER ELEMENT	ELEMENT NO
CHF005LM	47698906001	3/8"	0.5	CHE005LM	47699428001
CHF005LS	47698923001	3/8"	0.5	CHE005LS	47699429001
CHF005LR	47698940001	3/8"	0.5	CHE005LR	47699430001
CHF005LA	47698957001	3/8"	0.5	CHE005LA	47699431001
CHF007LM	47698907001	1/2"	0.7	CHE007LM	47699432001
CHF007LS	47698924001	1/2"	0.7	CHE007LS	47699433001
CHF007LR	47698941001	1/2"	0.7	CHE007LR	47699434001
CHF007LA	47698958001	1/2"	0.7	CHE007LA	47699435001
CHF0013LM	47698908001	3/4"	1.3	CHE0013LM	47699436001
CHF0013LS	47698925001	3/4"	1.3	CHE0013LS	47699437001
CHF0013LR	47698942001	3/4"	1.3	CHE0013LR	47699438001
CHF0013LA	47698959001	3/4"	1.3	CHE0013LA	47699439001
CHF0018LM	47698909001	3/4"	1.8	CHE0018LM	47699440001
CHF0018LS	47698926001	3/4"	1.8	CHE0018LS	47699441001
CHF0018LR	47698943001	3/4"	1.8	CHE0018LR	47699442001
CHF0018LA	47698960001	3/4"	1.8	CHE0018LA	47699443001
CHF0025LM	47698910001	1"	2.5	CHE0025LM	47699444001
CHF0025LS	47698927001	1"	2.5	CHE0025LS	47699445001
CHF0025LR	47698944001	1"	2.5	CHE0025LR	47699446001
CHF0025LA	47698961001	1"	2.5	CHE0025LA	47699447001
CHF0032LM	47698911001	1"	3.2	CHE0032LM	47699448001
CHF0032LS	47698928001	1"	3.2	CHE0032LS	47699449001
CHF0032LR	47698945001	1"	3.2	CHE0032LR	47699450001
CHF0032LA	47698962001	1"	3.2	CHE0032LA	47699451001
CHF0038LM	47698912001	1"	3.8	CHE0038LM	47699452001
CHF0038LS	47698929001	1"	3.8	CHE0038LS	47699453001
CHF0038LR	47698946001	1"	3.8	CHE0038LR	47699454001
CHF0038LA	47698963001	1"	3.8	CHE0038LA	47699455001
CHF0067LM	47698913001	1 1/2"	6.7	CHE0067LM	47699456001
CHF0067LS	47698930001	1 1/2"	6.7	CHE0067LS	47699457001
CHF0067LR	47698947001	1 1/2"	6.7	CHE0067LR	47699458001
CHF0067LA	47698964001	1 1/2"	6.7	CHE0067LA	47699459001
CHF0082LM	47698914001	1 1/2"	8.2	CHE0082LM	47699460001
CHF0082LS	47698931001	1 1/2"	8.2	CHE0082LS	47699461001
CHF0082LR	47698948001	1 1/2"	8.2	CHE0082LR	47699462001
CHF0082LA	47698965001	1 1/2"	8.2	CHE0082LA	47699463001
CHF0100LM	47698915001	2"	10.0	CHE0100LM	47699464001
CHF0100LS	47698932001	2"	10.0	CHE0100LS	47699465001
CHF0100LR	47698949001	2"	10.0	CHE0100LR	47699466001
CHF0100LA	47698966001	2"	10.0	CHE0100LA	47699467001
CHF0133LM	47698916001	2"	13.3	CHE0133LM	47699468001
CHF0133LS	47698933001	2"	13.3	CHE0133LS	47699469001
CHF0133LR	47698950001	2"	13.3	CHE0133LR	47699470001
CHF0133LA	47698967001	2"	13.3	CHE0133LA	47699471001
CHF0167LM	47698917001	2"	16.7	CHE0167LM	47699472001
CHF0167LS	47698934001	2"	16.7	CHE0167LS	47699473001
CHF0167LR	47698951001	2"	16.7	CHE0167LR	47699474001
CHF0167LA	47698968001	2"	16.7	CHE0167LA	47699475001
CHF0200LM	47698918001	3"	20.0	CHE0200LM	47699476001
CHF0200LS	47698935001	3"	20.0	CHE0200LS	47700078001
CHF0200LR	47698952001	3"	20.0	CHE0200LR	47700079001
CHF0200LA	47698969001	3"	20.0	CHE0200LA	47700080001
CHF0260LM	47698919001	3"	26.0	CHE0260LM	47700081001
CHF0260LS	47698936001	3"	26.0	CHE0260LS	47700082001
CHF0260LR	47698953001	3"	26.0	CHE0260LR	47700083001
CHF0260LA	47698970001	3"	26.0	CHE0260LA	47700084001
CHF0305LM	47698920001	3"	30.5	CHE0305LM	47700085001
CHF0305LS	47698937001	3"	30.5	CHE0305LS	47700086001
CHF0305LR	47698954001	3"	30.5	CHE0305LR	47700087001
CHF0305LA	47698971001	3"	30.5	CHE0305LA	47700088001
CHF0038LM	47698921001	3"	38.3	CHE0038LM	47700089001
CHF0038LS	47698938001	3"	38.3	CHE0038LS	47700090001
CHF0038LR	47698955001	3"	38.3	CHE0038LR	47700091001
CHF0038LA	47698972001	3"	38.3	CHE0038LA	47700092001
CHF0450LM	47698922001	3"	45.0	CHE0450LM	47700093001
CHF0450LS	47698939001	3"	45.0	CHE0450LS	47700094001
CHF0450LR	47698956001	3"	45.0	CHE0450LR	47700095001
CHF0450LA	47698973001	3"	45.0	CHE0450LA	47700096001

## FILTER GUIDE

FILTER TYPE	M <sup>3</sup> /MIN	SIZE	FILTER ID NO	FILTER ELEMENT	ELEMENT NO
<b>CERAMIC PRE-FILTERS 3 MICRON</b>					
F 005 P	1	3/8"	223051A	Filter Cartridge F005P	223171
F 007 P	1.3	1/2"	223052A	Filter Cartridge F007P	223172
F 010 P	2	3/4"	223053A	Filter Cartridge F010P	223173
F 018 P	3.3	1"	223054A	Filter Cartridge F018P	223174
F 030 P	5.5	1"	223055A	Filter Cartridge F030P	223175
F 047 P	8.5	1 1/2"	223056A	Filter Cartridge F047P	223176
F 070 P	13	1 1/2"	223057A	Filter Cartridge F070P	223177
F 094 P	16.6	2"	223058A	Filter Cartridge F094P	223178
F 150 P	25	2"	223059A	Filter Cartridge F150P	223179
F 200 P	36	3"	CC1182427	Filter Cartridge F200P	CC1183012
F 240 P	46	3"	223060A	Filter Cartridge F240P	223180
<b>COALESCENT FILTERS 1 MICRON</b>					
F 005 R	1	3/8"	CC1185088	Filter Cartridge F005R	CC1185073
F 007 R	1.3	1/2"	CC1185089	Filter Cartridge F007R	CC1185074
F 010 R	2	3/4"	CC1185090	Filter Cartridge F010R	CC1185075
F 018 R	3.3	1"	CC1185091	Filter Cartridge F018R	CC1185076
F 030 R	5.5	1"	CC1185092	Filter Cartridge F030R	CC1185077
F 047 R	8.5	1 1/2"	CC1185093	Filter Cartridge F047R	CC1185078
F 070 R	13	1 1/2"	CC1185094	Filter Cartridge F070R	CC1185079
F 094 R	16.6	2"	CC1185095	Filter Cartridge F094R	CC1185080
F 150 R	25	2"	CC1185096	Filter Cartridge F150R	CC1185081
F 200 R	36	3"	CC1185097	Filter Cartridge F200R	CC1185082
F 240 R	46	3"	CC1185098	Filter Cartridge F240R	CC1185083
<b>COALESCENT FILTERS 0.1 MICRON</b>					
F 005 M	1	3/8"	223061A	Filter Cartridge F005M	223181
F 007 M	1.3	1/2"	223062A	Filter Cartridge F007M	223182
F 010 M	2	3/4"	223063A	Filter Cartridge F010M	223183
F 018 M	3.3	1"	223065A	Filter Cartridge F018M	223184
F 030 M	5.5	1"	223066A	Filter Cartridge F030M	223185
F 047 M	8.5	1 1/2"	223067A	Filter Cartridge F047M	223186
F 070 M	13	1 1/2"	223068A	Filter Cartridge F070M	223187
F 094 M	16.6	2"	223069A	Filter Cartridge F094M	223188
F 150 M	25	2"	223081A	Filter Cartridge F150M	223189
F 200 M	36	3"	CC1182428	Filter Cartridge F200M	CC1183034
F 240 M	46	3"	223064A	Filter Cartridge F240M	223190
<b>COALESCENT FILTERS 0.01 MICRON</b>					
F 005 S	1	3/8"	223070A	Filter Cartridge F005S	223191
F 007 S	1.3	1/2"	223071A	Filter Cartridge F007S	223192
F 010 S	2	3/4"	223072A	Filter Cartridge F010S	223193
F 018 S	3.3	1"	223073A	Filter Cartridge F018S	223194
F 030 S	5.5	1"	223074A	Filter Cartridge F030S	223195
F 047 S	8.5	1 1/2"	223075A	Filter Cartridge F047S	223196
F 070 S	13	1 1/2"	223076A	Filter Cartridge F070S	223197
F 094 S	16.6	2"	223077A	Filter Cartridge F094S	223198
F 150 S	25	2"	223078A	Filter Cartridge F150S	223199
F 200 S	36	2 1/2"	CC1182429	Filter Cartridge F200S	CC1183035
F 240 S	46	3"	223079A	Filter Cartridge F240S	223200
<b>ACTIVATED CARBON FILTERS 0.005 MICRON</b>					
F 005 A	1	3/8"	223090A	Filter Cartridge F005A	223211
F 007 A	1.3	1/2"	223091A	Filter Cartridge F007A	223212
F 010 A	2	3/4"	223092A	Filter Cartridge F010A	223213
F 018 A	3.3	1"	223093A	Filter Cartridge F018A	223214
F 030 A	5.5	1"	223094A	Filter Cartridge F030A	223215
F 047 A	8.5	1 1/2"	223095A	Filter Cartridge F047A	223216
F 070 A	13	1 1/2"	223096A	Filter Cartridge F070A	223217
F 094 A	16.6	2"	223097A	Filter Cartridge F094A	223218
F 150 A	25	2"	223098A	Filter Cartridge F150A	223219
F 200 A	36	3"	CC1182430	Filter Cartridge F200A	CC1183036
F 240 A	46	3"	223099A	Filter Cartridge F240A	223220

**FILTER ELEMENTS MUST BE REPLACED AT LEAST EVERY 12 MONTHS**

## FILTER GUIDE

FILTER TYPE	MP/MIN	SIZE	FILTER ID NO	FILTER ELEMENT	ELEMENT NO
<b>CONDENSATION SEPARATING FILTERS</b>					
F 005 W	1	3/8"	CC1177720	Filter Cartridge F 005W	CC1188141
F 007 W	1.3	1/2"	CC1177721	Filter Cartridge F 007W	CC1188142
F 010 W	2	3/4"	223101A	Filter Cartridge F 010W	CC1183037
F 030 W	3.3	1"	223102A	Filter Cartridge F 030W	CC1183038
F 070 W	8.5	1 1/2"	223103A	Filter Cartridge F 070W	CC1183039
F 094 W	16.6	2"	CC1181853	Filter Cartridge F 094W	CC1183040
F 150 W	25	2"	223104A	Filter Cartridge F 150W	CC1183041
F 200 W	36	2 1/2"	CC1182432	Filter Cartridge F 200W	CC1183042
<b>CH-DRY MEMBRANE FILTERS</b>					
CHM-DRY 3	0.05	1/4"	CC1189577	Membrane CHM-DRY 3	CC1189462
CHM-DRY 6	0.1	1/4"	CC1189578	Membrane CHM-DRY 6	CC1189463
CHM-DRY 9	0.15	1/4"	CC1189579	Membrane CHM-DRY 9	CC1189464
CHM-DRY 12	0.2	1/4"	CC1189580	Membrane CHM-DRY 12	CC1189465
CHM-DRY 18	0.3	1/2"	CC1189581	Membrane CHM-DRY 18	CC1189466
CHM-DRY 24	0.4	1/2"	CC1189582	Membrane CHM-DRY 24	CC1189467
CHM-DRY 32	0.6	1/2"	CC1189583	Membrane CHM-DRY 32	CC1189468
CHM-DRY 44	0.8	1/2"	CC1189584	Membrane CHM-DRY 44	CC1189469
CHM-DRY 63	1.05	1/2"	CC1189585	Membrane CHM-DRY 63	CC1189470
CHM-DRY 90	1.5	1/2"	CC1189586	Membrane CHM-DRY 90	CC1189471
CHM-DRY 123	2.05	1/2"	CC1189587	Membrane CHM-DRY 123	CC1189472
CHM-DRY 180	3	1/2"	CC1189588	Membrane CHM-DRY 180	CC1189473

<b>CHB-AIR BREATHING AIR FILTRATION SYSTEMS</b>						
FILTER TYPE	ELEMENT TYPE (FM)	ELEMENT NO	ELEMENT TYPE (F-H2M)	ELEMENT NO	ELEMENT TYPE (F-A2)	ELEMENT NO
CHB-AIR 76	Filter Cartridge F007M	223182	Filter Cartridge F007H2	CC1189441	Filter Cartridge F007A2	CC1189354
CHB-AIR 106	Filter Cartridge F010M	223183	Filter Cartridge F010H2	CC1189442	Filter Cartridge F010A2	CC1189434
CHB-AIR 186	Filter Cartridge F018M	223184	Filter Cartridge F018H2	CC1189443	Filter Cartridge F018A2	CC1189435
CHB-AIR 306	Filter Cartridge F030M	223185	Filter Cartridge F030H2	CC1189454	Filter Cartridge F030A2	CC1189437
CHB-AIR 476	Filter Cartridge F047M	223186	Filter Cartridge F047H2	CC1189455	Filter Cartridge F047A2	CC1189438
CHB-AIR 706	Filter Cartridge F070M	223187	Filter Cartridge F070H2	CC1189456	Filter Cartridge F070A2	CC1189439

<b>CHB-AIR PLUS PORTABLE BREATHING AIR FILTRATION SYSTEMS</b>						
FILTER TYPE	ELEMENT TYPE (FM)	ELEMENT NO	ELEMENT TYPE (F-H2M)	ELEMENT NO	ELEMENT TYPE (F-A2)	ELEMENT NO
CHB-AIR plus	Filter Cartridge F007M	223182	Filter Cartridge F007H2	CC1189441	Filter Cartridge F007A2	CC1189354

<b>CH-PP SERIES PAINTING AIR FILTRATION SYSTEMS</b>								
FILTER TYPE	ELEMENT TYPE (FM)	ELEMENT NO	ELEMENT TYPE (F-S)	ELEMENT NO	ELEMENT TYPE (F-A)	ELEMENT NO	ELEMENT TYPE (CKL-PP)	ELEMENT NO
CH-PP-107							Filter Cartridge F007-CKL-PP	CC1189457
CH-PP-110							Filter Cartridge F010-CKL-PP	CC1189458
CH-PP-207	Filter Cartridge F007M	223182					Filter Cartridge F007-CKL-PP	CC1189457
CH-PP-210	Filter Cartridge F010M	223183					Filter Cartridge F010-CKL-PP	CC1189458
CH-PP-307	Filter Cartridge F007M	223182	Filter Cartridge F007S	223192			Filter Cartridge F007-CKL-PP	CC1189457
CH-PP-310	Filter Cartridge F010M	223183	Filter Cartridge F010S	223193			Filter Cartridge F010-CKL-PP	CC1189458
CH-PP-407	Filter Cartridge F007M	223182	Filter Cartridge F007S	223192	Filter Cartridge F007A	223212		
CH-PP-410	Filter Cartridge F010M	223183	Filter Cartridge F010S	223193	Filter Cartridge F010A	223213		
CH-PP-507	Filter Cartridge F007M	223182	Filter Cartridge F007S	223192				
CH-PP-510	Filter Cartridge F010M	223183	Filter Cartridge F010S	223193				
CH-PP-607	Filter Cartridge F007M	223182	Filter Cartridge F007S	223192				
CH-PP-610	Filter Cartridge F010M	223183	Filter Cartridge F010S	223193				

**FILTER ELEMENTS MUST BE REPLACED AT LEAST EVERY 12 MONTHS**

## CHAMPION CHNP 3 - 400 NITROGEN GENERATORS SERVICE SCHEDULE

			DAILY <sup>1</sup>	EVERY 2000 HOURS OR 3 MONTHS <sup>1</sup>	EVERY 4000 HOURS OR 6 MONTHS <sup>1</sup>	EVERY 8000 HOURS OR 12 MONTHS <sup>1</sup>	EVERY 16000 HOURS OR 24 MONTHS <sup>1</sup>	EVERY 24000 HOURS OR 36 MONTHS <sup>1</sup>	EVERY 40000 HOURS OR 60 MONTHS <sup>1</sup>
	Generator	Check the status indicators located on the front panel.	•						
	System	Check the inlet air quality		•	•	•	•	•	•
	Generator	Check for air leaks		•	•	•	•	•	•
	Generator	Check the pressure gauges during purging for excessive back pressure		•	•	•	•	•	•
	Generator	Check the condition of the electrical supply cables and conduits		•	•	•	•	•	•
	Generator	Check oxygen sensor(s) and calibrate if necessary		Δ	Δ	Δ	Δ	Δ	Δ
	Generator	Check for cyclic operation			•	•	•	•	•
A	Filtration	Replace Exhaust silencer and filter element(s) Recommended Service A				†	†	†	†
B	Generator	Replace Oxygen sensor(s) Recommended Service B					†	†	†
C	Generator	Replace control valves Recommended Service C						†	†
D	Generator	Replace cylinder and solenoid valves Recommended Service D							†

<sup>1</sup> Maintenance time intervals are based on operating hours or calendar date, whichever occurs first. • Performed by the operator Δ Essential procedure - Service personnel only  
† Essential maintenance - Service personnel only

## KITS FOR CHNP NITROGEN GENERATORS

	KIT PART NUMBER		
A	CC1182786	Silencer CHNP 110-250	
	CC1182787	Silencer CHNP 300-400	
D	CC1182778	CHNP-GEN 05-15/12	Silencer, cartridges
	CC1182779	CHNP-GEN 20-35/12	Silencer, cartridges
	CC1182780	CHNP-GEN 60-100/12	Silencer, cartridges
	CC1182781	CHNP-GEN 200/12	Silencer, cartridges
	CC1182782	CHNP-GEN 300/12	Silencer, cartridges
	CC1182783	CHNP-GEN 400/12	Silencer, cartridges
E	CC1182789	CHNP-GEN 03/48	Valve, silencers, adsorbent
	CC1182790	CHNP-GEN 05/48	Valve, silencers, adsorbent
	CC1182792	CHNP-GEN 10/48	Valve, silencers, adsorbent
	CC1182794	CHNP-GEN 15/48	Valve, silencers, adsorbent
	CC1182795	CHNP-GEN 20/48	Valve, silencers, adsorbent
	CC1182797	CHNP-GEN 25/48	Valve, silencers, adsorbent
	CC1182798	CHNP-GEN 35/48	Valve, silencers, adsorbent
	CC1182800	CHNP-GEN 50/48	Valve, silencers, adsorbent
	CC1182801	CHNP-GEN 65/48	Valve, silencers, adsorbent
	CC1182803	CHNP-GEN 100/48	Valve, silencers, adsorbent
	CC1182804	CHNP-GEN 150/48	Valve, silencers, adsorbent
	CC1182805	CHNP-GEN 200/48	Valve, silencers, adsorbent
	CC1182807	CHNP-GEN 250/48	Valve, silencers, adsorbent
	CC1182808	CHNP-GEN 300/48	Valve, silencers, adsorbent
	CC1182810	CHNP-GEN 400/48	Valve, silencers, adsorbent
	TBA	Oxygen Analyzer 0-1.000 ppm	Service Kit
	TBA	Oxygen Analyzer 0-25%	Service Kit



## COMPRESSED AIR SOLUTIONS

# CHAMPION

## SMART AND AFFORDABLE

Champion's piston compressor range is designed to cover all the possible professional uses of compressed air. Our piston compressors come in various forms and sizes, providing a truly complete range of choices.



Champion stationary rotary screw compressors, both fixed and variable speed drive, are the answer to the needs of small and medium-sized companies.

The complete range is designed for continuous operation under the most severe conditions of use, with particular attention to modularity, energy consumption, low operating and maintenance costs, and ease of installation and use.



Champion also design and manufacture an enviable range of Rotary Scroll, Rotary Vane and Portable Rotary Screw compressors. All designed to provide efficiency and reliability in the most demanding applications and conditions, these compressors set new standards.

Whether it's our 100% oil-free cutting edge rotary scroll technology, our highly efficient, reliable and compact rotary vane compressors, or the mobile work horse that is our portable rotary screw, you can rely on Champion's engineering excellence to provide the perfect compressor for your business.



A modern production system and process demands increased levels of air quality. Our complete Air Treatment Range ensures product quality and efficient operation.



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For additional information please contact  
your local representative.

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