to	Bauer subsidiaries	
to	Agents and representations	
to	Final customers	



## **IMPORTANT TECHNICAL INFORMATION 07/2012**

Exchange a.s.a.p: 

Exchange by-and-by:

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# Your safety is important to us!

Fatigue stress of aluminium

One reason for the excellent reputation of Bauer Kompressoren is the above-average economic-life-time of Bauer units and the availability of spare parts for over *25-years*.

Aluminium can, based on long running times, come to its limits of endurance.

We recommend an exchange of pressure vessels made from aluminium with a full activity of

# 15 years

or which have reached their limit of stress cycles.

This change recommendation can be enlarged by a hazard analysis. *Please contact your authorized dealer.* 

Aluminium is used in following high pressure groups of parts:

- > Filter housings
- Oil and water separators until year 1992
- Non return valves
- Pressure maintaining valves

Please see also the important advices for dynamic loads in your manual.

You can find additional information on Pressure Vessels according to DGRL97/23/EG.

Responsible Department: Technical Customer Service

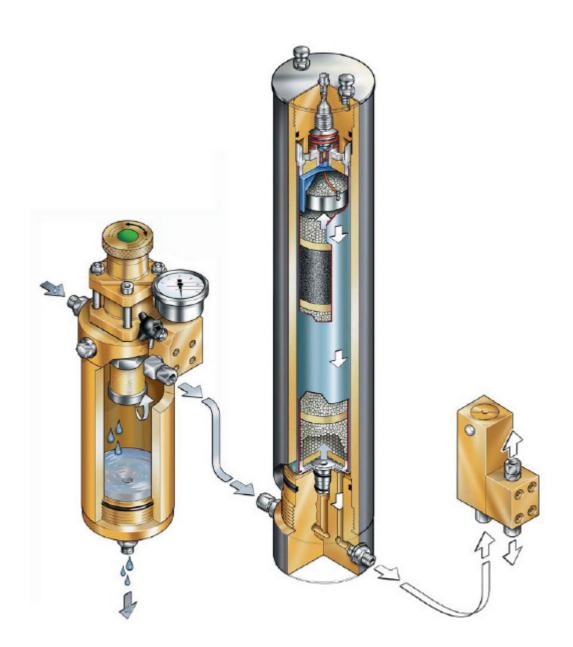
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to



# **IMPORTANT TECHNICAL INFORMATION 07/2012**

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Non-observance of safety instructions can lead into danger of your own life.

Please pay also attention to the important information on the next pages.

Responsible Department: Technical Customer Service

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# **IMPORTANT TECHNICAL INFORMATION 07/2012**



## ACHTUNG

## Gefahrenhinweise zum Umgang mit über deren zulässige Be-triebsdauer.

- Niemals den zulässigen Behälter-Betriebsdruck
- Drucktragende Behälter-Einzelteile können nicht als-Ersatzteile erworben wer-den, da die Behälter immer zur komplett gegräft und de

- Diese Druckbehälter stehen standig unter nahezu konstandig unter nahezu konstandig unter nahezu konstanter Betriebsdruck, die auftretenden Druckschwansungen sind sehr gering. Bekangen sind sehr gering sehr gerin stantem Betriebsdruck, die auftretenden Druckschwan-kungen sind sehr gering. Be-hälter für diese Belastungs-art sind nicht besonders ge-kennzeichnet und dürfen so-

- schen Unterlagen für diese nicht eindeutig geklärt ist.

Behälterfinden Sie Angaben Notices of danger re- Due to the variation of the

- Aufgrund des wechselnden terschiedlichen Drücken wird als Lastwechsel, zwei Lastwechsel, d.h. eine Drückan- und Abfahrt, wer-den als Zyklus bezeichnet. In den technischen Unterlagen für diese Behälter finden Sie Angaben über die zuläs-sigen Zyklenzahlen in Ab-hängigkeit von der Schwan-
- Bei Erreichen der Hälfte der nur komplett geprüft und de kumentiert werden (siehe Druckbehälter- Dokumentation, Seriennummernt).
  5. Beachten Sie immer die zulässige Betriebsweise des Druckbehälters.
  Wir unterscheiden:
  - Behälter für statische Betriebsekheheit zu newahre die kritiebscherheit zu newahre des briebscherheit zu newahre. triebssicherheit zu gewähr-
- Behälter für schweilende (dynamische) Belastung.

  Behälter für statische Bela:

  Nach Erreichen der vollen zulässigen Zyklenzahl muß and und matie cycle-dounter.

  Versels for static load and und matie cycle-dounter.

   vessels for static load and und matie cycle-dounter.

  - stens 15 Jahren auszutau-
- schen.

  schen.

  schen.

  beschungsprüfungen keine sicherheitsrelevanten Mängel aufdecken.

  Wir empfehlen, Aluminium-Behälter nach spätestens 15 Jahren auszutauschen.

  Behälter für schwellende Belastung:
  Diese Druckbehälter dürfen auch unter wechselndem auch unter wechselndem kerineber und kunden unter wechselndem auch unter wechselndem auch unter wechselndem auch unter wechselndem betriebsdruck betriebt werden. Der Druck kann dabei zwissehen dem atmosphärischen und dem maximal zulässigen Betriebsdruck schwanken.

  Behälter für diese Bela-
- schwanken.

  Behälter für diese Belastungsart sind durch die Druckbehälter-Dokumentation und die entsprechende durch korrosion:
  - gekauften Druckbehältern besonders vorsichtig, wenn deren frühere Betriebsweise

## CAUTION

- We differentiate: - vessels for static load
- Vessels for static load:
- Vessels for this type of load are not marked in a particu-lar way and may be used as long as the vessel inspec-tions, carried out regularly, do not uncover any safety-relevant deficiencies.

- manual particularly char-acterise vessels of this type as being adequate for dy-namic loads. In the technical information for these information for these vessels you will find specifications concerning their permissible and the specific specif

## ATTENTION

# Vessels 1. Never open or loosen pressure vessels are subject to a so-called dynamic load, which puts the vessels under great stress. The change between the vessels of the vessels of the vessels of the vessels. 2. Never exceed the permissible operating pressure of the vessels. 3. Never heat the vessels or any of their parts above the stated, maximum operating pressure. 4. Always exchappe dem. garding pressure operating pressure, these vessels are subject to a so-called dynamic load, which pression; avant d'ouvri veuillez toujours vous assurer que le réservoir resp. l'in

- the stated, maximum operating pressure.

  4. Always exchange damaged pressure vessels completely. Individual parts that are subject to pressure loads cannot be purchased as spare parts, since the vessels are tested as a complete part and the documentation considers them as a whole (see pressure vessel documentation, serial-numbers).

  Having pressure.

  Having pressure.

  Having pressure.

  Having preasure.

  H
- After having safety.
   After having reached the total permissible operating mode of the pressure vessels. be exchanged and scrapped.
  - scrapped:
    Record the number of load cycles in writing if you do not have an automatic cycle-et
  - minium vessels should be exchanged after 15 years at the latest.
  - Please pay attention to and follow these measures, for your own safety and that of you employees and cus-tomers!
- long as the vessel inspections, carried out regularly, do not uncover any safety-relevant deficiencies.

  We recommend that aluminium vessels should be exchanged after 15 years at the latest.

  Vessels for dynamic load:
  These pressure vessels may also be used under conditions of changing operating pressure. The pressure may vary between the atmospheric and the maximum admissible operating pressure.

  The pressure vessel described in order not to unnecessarily load the pressure valves, that are meant to avoid a drop in pressure maintaining valves, which should reduce big pressure fluctuations as well, should be checked regularly for international development of the pressure and external tightness and functionality.

  6. Check the pressure vessels and outside for damage from the unnecessarily load the pressure valves, that are meant to avoid a drop in pressure maintaining valves, which should reduce big pressure fluctuations as well, should be checked regularly for international valves and external tightness.

  7. Be particularly careful with second-hand pressure.

  The pressure vessels and also the pressure maintaining valves, which should reduce big pressure fluctuations as well, should be checked regularly for international valves, the are meant to avoid a drop in pressure and also the pressure remaintaining valves, which should reduce big pressure fluctuations as well, should be checked regularly for international valves, the are meant to avoid a drop in pressure.

  8. Check the pressure developed by the pressure was a valves, the are meant to avoid a drop in pressure fluctuations as well, should be checked regularly for international valves, which should reduce big pressure fluctuations as well, should be checked regularly for international valves, the are meant to avoid a drop in pressure.

  - 7. Be particularly careful with second-hand pressure vessels, when their previous operating mode is not spe-

## Mises en garde lors du maniement de réser-

voir ou les pièces de raccor-

- Veuillez toujours rempla-cer les réservoirs à pression endommagés au complet. Nous ne fournissons pas les Nous ne fournissons pas les pièces constitutives du ré-servoir, qui sont soumises à la compression, en tant que pièces détachées, du fait que les réservoirs sont tou-jours testés et documentes en tant qu'unité entière (voir documentation conque pour résenoirs à pression pur réservoirs à pression, nu-méros de série!).
- Respectez toujours le mode de fonctionnement ad-
- Réservoirs pour charge statique
- Réservoirs pour charge ondulée (dynamique)
- à une pression de service presque constante, les fluc-tuations de pression étant très faibles.
- vent rester en service tant que les contrôles répétés auxquels les réservoirs sont régulièrement soumis ne dé-cèlent pas des défauts met-
- Nous recommandons de rechanger les réservoirs en aluminium après 15 ans au plus tard.
- Réservoirs pour charge on-dulée:
- Grâce à la documentation pour réservoirs à pression et les consignes correspon-dantes figurant dans les ins-

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# **IMPORTANT TECHNICAL INFORMATION 07/2012**

tation technique conque pour ces réservoirs les don-nées concernant les fré-quences des cycles admis-sibles en dépendance de la

Lorsque la moitié des cycles des cycles admissibles), l'intérieur du réservoir doit Interieur du réservoir doit étre contrôlé, les zones qui sont soumises à des efforts critiques étant examinées par des méthodes d'essai appropriées, afin d'assurer la sécurité de fonctionnement.

Si vous ne disposez pas d'un compteur de cycles automatique, notez les nombres des cycles par écrit.

en aluminium après 15 ans Serbatoi per il carico statico au plus tard.

Nous vous recommandons fortement d'observer et de suivre ces instructions pour assurer votre sécurité ainsi que la sécurité de votre per-

Pour ne pas soumettre les réservoirs à pression à des efforts supplémentaires inu-tiles, il est recommandé de contrôler régulièrement l'étanchéité intérieure et ex-térieure ainsi que le bon fonctionnement des soupapression, qui sont égale-ment destinées à réduire les

**ATTENZIONE** 

7. Prêtez une attention par-ticulière aux réservoirs achetés d'occasion si leur mode de fonctionnement an-

Serbatoi danneggiati de-vono essere sempre sosti-tuiti completamente.

mico.

Serbatol per il carico statico.
Questi serbatol a pressione sono continuamente sotto-messi a d una pressione di servizio quasi costante, le fluttuazioni di pressione sono molto poche.

Notate per iscritto il numero di cicli fatti, se non avete un cargas estàticas

Notate per iscritto il numero di cargas estàticas

Notate per iscritto il numero dargas estàticas

Notate per iscritto il nu

sono molto poche.

I serbatol per questo tipo di carico non sono contrassegnati in modo particolari e 
possono rimanere in servizlo fincibe non si scoprono 
dei difetti rilevanti alla sicurezza nel controlli ripettivi, a 
cui i serbatol vengono regolarmente sottomessi.

Nol racompandiam ni so.

la pressione di servizio mas-sima ammissibile. Serbatoi di questo tipo sono contrassegnati specialachietes d'occasion si leur mente per carloo dinamico mode de fonctionnement an enla documentazione per serbato i di pressione e gli avvisi corrispondenti mei manuale delle istruzioni. Nella documentazione tecnica per questi serbatoi potette trovare i dati riguardante la durata di servizio ammissibile.

li coperchio del serbatolo ole parti di collegamento del tubi sotto pressione; assicurato del tubi sotto pressione di servizio ammissibile del serbatolo 1.

3. Non sceldare il serbatolo o parti di esso oltro la temperatura di servizio massimo indicato.

4. Serbatoli danneggiati devono essere sempre sostituiti completamente.

tuiti completamente.

Non si possone acquistare parti individuali come parti di ricambio, polchè, sia i test che la documentazione viene sempre fatta per i serbatoi completi (vedere documentazione serbatoi di pressione, numeri di serie I).

5. Rispettare sempre il serbatoi di perti sottomesse ad uno sforzo critico vengone esaminate con metodi di conmissibile del serbatoi di pressione.

Noi distinguiamo.

Dopo aver raggiunto il nu-mero completo di cicli ammi-sibili, il serbatoio deve es-

gnati in mode particolari e possono rimanere in servizio finchie non si scoprono dei difetti rilevanti alla sicurazza nel controlli ripettivi, a 
cui i serbatoi vengono regolarmente sottomessi.

Nol raccomandiamo di sostituire serbatoi in alluminio depo 15 anni al massimo.

Serbatoi per il carco dinamico.

Questi serbatoi a pressione possono essere usati con 
possono essere usati con 
possono essere usati con 
Questi serbatoi que riscone 
que vitare grandi cali 
di pressione, che dovrebbero 
possono essere usati con 
p

**ATTENCIÓN** 

comprate usate, se non si

Indicaciones sobre los

No abra nunca la tapa de un recipiente o no afloje nunca acoplamientos si es-

2. Nunca sobrepase la pre-sión admisible de un reci-

Partes de los recipientes que están sometidos a pre-sión no pueden ser suminis-tradas como regambios, y que sólo los recipientes completos están certifica-los de los recipientes completos están certifica-com métodos adecuados dos y probados. (Observe la documentación de los reci-pientes a presión y el nú-

Observe siempre el tipo de funcionamiento admisi-ble para un recipiente a pre-

Estos recipientes están constantemente bajo una presión de trabajo estable, los diferenciales de presión

encuentran las indicaciones sobre el tiempo de utiliza-ción del recipiente a presión. distritas se denomina "cambio de carga" o "ciclo". En la documentación técnica para estos recipientes a presión o los accesorios a una temperatura más alta que la máxima admitida.

4. Recipientes a presión que estén dañados se deben cambiar completamente.

Partes Una vez se hayan cumplido la mitad de los ciclos admisi-bles (recipientes de alumi-nio: 1/4 de los ciclos admisi-

El recipiente a presión ha de ser sustituido y eliminado, si se ha llegado a los ciclos máximos. Si no tiene un control auto-

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