

Service guide

Photo Guide APP 21 - 46 for claim or repair issue

1. General information

In connection with a claim or a repair issue of the Danfoss APP 21 - 46 pumps, it is important that we have appropriate information and photos.

This guide provides information about the 'Claim/Repair Information Document' and the required information. Similarly, this guide also provides the specific part group photos needed for review by your Danfoss service technician*.

*Note: we request ALL photos be provided, not just photos of parts that appear damaged.

Information form shown on the right:

Pump - product information:

- Pump type
- Danfoss code no.
- Serial number

Pump - operation conditions:

- Inlet pressure
- Outlet pressure
- Rpm
- Hours of operation
- Filtration inmicron if Nominel or Absolute
- Flow
- Water temperature
- TDS

Pump - additional if possible:

- Permeate flush before shut down (yes or no)
- Number of starts per day (average)
- If VFD is used Ramp up and down time

Reason for pump failure / break down:

2. Idenfication



Pump idenfication label (Serial no.)

Claim/Repair Information Do				
Product information (see labe Only 1 product on each report		ype has same	failure can 1 report be used fo	r
more products. After receiving document will	Danfara and anti-			
	Danioss send retu		document.	
Issued by: Customer name: Contact person:		Date: E-mail (contact person): Contact phone number:		
				1
Product type:	Code number:		Serial number:	
Operational Conditions				
Application:	Inlet pressure:		RPM (pump/motor only):	
				4
Hours of operation:	Outlet pressure:		(duty cycles valves only)	
Hours of operation: Filtration (µm, absolute/nominal):	Outlet pressure: Flow:		(duty cycles valves only) Water temperature:	
Filtration (µm, absolute/nominal):	Flow:		Water temperature:	
Filtration (µm, absolute/nominal):				
Filtration (µm, absolute/nominal): Fluid type:	Flow: TDS (ppm):	troubleshool	Water temperature: Pumps in parallel (yes/no):	
Filtration (µm, absolute/nominal): Fluid type:	Flow: TDS (ppm):	troubleshool	Water temperature: Pumps in parallel (yes/no):	
	Flow: TDS (ppm):	troubleshoot	Water temperature: Pumps in parallel (yes/no):	
Filtration (µm, absolute/nominal): Fluid type:	Flow: TDS (ppm):	troubleshool	Water temperature: Pumps in parallel (yes/no):	
Filtration (µm, absolute/nominal): Fluid type:	Flow: TDS (ppm):	troubleshool	Water temperature: Pumps in parallel (yes/no):	
Filtration (µm, absolute/nominal): Fluid type:	Flow: TDS (ppm):	troubleshoot	Water temperature: Pumps in parallel (yes/no):	
Filtration (µm, absolute/nominal): Fluid type:	Flow: TDS (ppm):	troubleshoot	Water temperature: Pumps in parallel (yes/no):	
Filtration (µm, absolute/nominal): Fluid type:	Flow: TDS (ppm):	troubleshoot	Water temperature: Pumps in parallel (yes/no):	
Filtration (µm, absolute/nominal): Fluid type:	Flow: TDS (ppm):	troubleshoot	Water temperature: Pumps in parallel (yes/no):	
Filtration (µm, absolute/nominal): Fluid type:	Flow: TDS (ppm):	troubleshoot	Water temperature: Pumps in parallel (yes/no):	
Filtration (µm, absolute/nominal): Fluid type:	Flow: TDS (ppm):	troubleshoot	Water temperature: Pumps in parallel (yes/no):	
Filtration (µm, absolute/nominal): Fluid type:	Flow: TDS (ppm):	troubleshoot	Water temperature: Pumps in parallel (yes/no):	



3. Coupling



1. Coupling distance (check before disassembling

4. Shaft seal



1. Shaft seal (Dynamic rubber bellow part)







5. Piston shoe











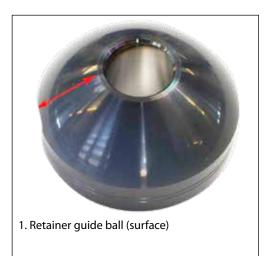


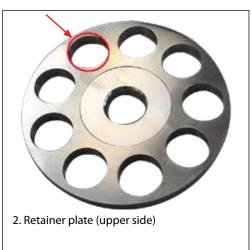


6. Swash plate



7. Retainer ball and plate



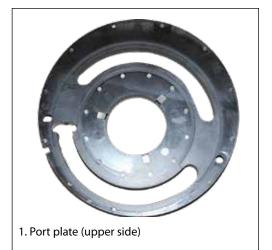


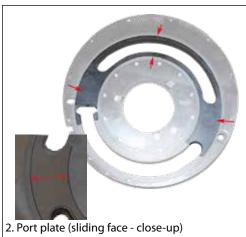






8. Port plate





8. Valve plate







1. Valve plate (thrust pad, close-up)



9. Housing



1. Housing (bearing inside)

10. Cylinder barrel





2. Cylinder barrel (in side bushings)







ENGINEERING TOMORROW



Danfoss A/S

High Pressure Pumps • danfoss.com • +45 7488 2222 • highpressurepumps@danfoss.com

Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product.

All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.