

PRICE LIST

Service Intervals Preventative Maintenance

1st September 2007

This price list replaces all previous price lists.
Technical alterations reserved.

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Donaldson-Service-Logistics

Service Intervals and Service-kits

Service Factory - The Donaldson idea is successful: from the development, to production and installation, up to full-service for the compressed air user, Donaldson has control over the service-logistics.

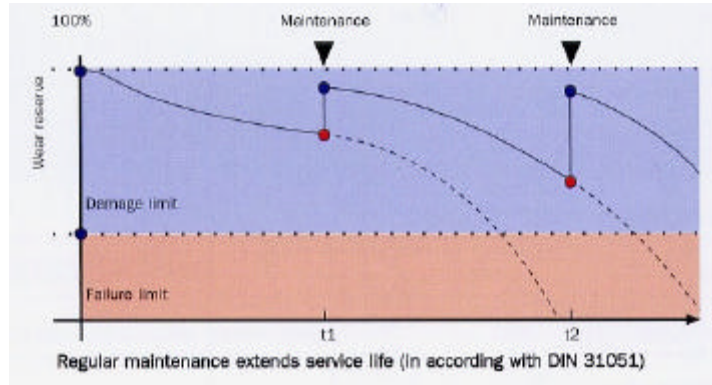
A product is only as good as the service that is provided with it! - Correct. But the product must fulfil all requirements to ensure efficient business. Therefore Donaldson Ultrafilter products are designed to be service friendly, and the Donaldson service logistics are based on a clear and manageable maintenance concept. Service-kits and Carepacs are the main components of the service logistics for all Donaldson Ultrafilter products and systems. - Hence quality can easily be achieved!



On the following pages the service intervals are documented. Adherence to these secures the function of the components and systems as well as the quality of the compressed air, at the lowest power utility and best power efficiency. Regular and professional service is also a prerequisite for keeping guarantee claims and insurance entitlements up right.

The Donaldson Ultrafilter Service-kits, simplify the service performance and ensures efficient, economical and prompt service. For every product, product group or system Donaldson Ultrafilter offers a special Service-kit that matches the service intervals and includes the required wear parts, components and a description of the maintenance work to be performed.

The respectively required Service-kits are included and clearly classified in the following tables. Service-kits required for annual service intervals are marked with an A (a=annual). The extended Service-kits are marked as Carepacs and apart from all wear parts also contain the spare components that would be required for the revision of a system as well as the appropriate maintenance and operation manuals.



This documentation is a component of the Donaldson service logistics and an integrated part of the Donaldson service concept.

Service means more to Donaldson than just customer service or service in the classical sense. With established and new developed service Donaldson supports the compressed air user in his efforts to be successful and competitive. The demand for service is always individual and tailor made to the requirements of the customer. With the new Service-kits and combined logistics Donaldson can live up to its expectations.



The Donaldson service offer comprises all performances from the planning, commissioning, installation, training of service people, maintenance and full-service, up to leak detection as well as determining and surveillance of the compressed air quality.

With more than 350 service technicians the Donaldson service is present worldwide and short travelling distances guarantee prompt service. This saves time and money. The main goal of the Donaldson service is however to avoid “emergency calls” by means of a preventative maintenance. Hence for these many cost conscious compressed air users have signed up with Donaldson for long-term service agreements.

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Aftercooler Water cooled UFK-W							
UFK-W	0100 – 10500						
Service inspection	Examination according to operation manual			X			
Service-kit				X			
Drain UFZ							X
Aftercooler Air cooled UFK-L							
UFK-L	0100 – 5000						
Service inspection	Examination according to operation manual			X			
Service-kit				X			
Drain UFZ							X
Cyclone Separator AG-Z, SG-Z							
AG-Z	0125 – 2250						
SG-Z	1650 – 15000						
Service inspection	Examination according to operation manual			X			
Service-kit				X			
Drain UFZ	Standard						X
Drain UFM-T	Option Superplus						X
Demister UFD							
UFD	0035 – 8750						
Service inspection	Examination according to operation manual			X			
Service-kit B	Option Superplus and Standard					X	
Drain UFM-T	Option Superplus						X

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Establish the condition of the system
2. Optical controlling of the cyclone separator
3. Testing and cleaning of the cooler
4. Checking and cleaning of all condensate drain devices
5. Installing the consumable replacement set of the drain
6. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Ultra-Filter Filters DF 0035 – DF 1100							
P	DF 0035 – DF 1100						
B							
V							
M							
S							
Service inspection	Examination according to operation manual			X			
Service-kit A Standard, Plus				X			
Service-Kit A Superplus				X			
Drain UFM-T, UFM-P							X
Ultra-Filter Filter							
A	DF 0035 – DF 1100						
Service inspection	Examination according to operation manual						
Service-kit A Standard, Plus		X					
Service-Kit A Superplus		X					

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Filter is taken out of operation (secure no pressure!)
2. Cleaning of the condensate collection area
3. Exchange of the filter element
4. Exchange of the seal of the housing
5. Testing and servicing, respectively changing the drain
6. If necessary confirming and giving notice of receipt to the service notification (Economizer)
7. Sticking on of the service label
8. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Industrial filter – Prefilter PE, SB							
PE	0002 – 1920						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
Drain UFM-P	Standard larger than 0108						X
Drain UFM-T	Option Superplus						X
SB	0002 – 1920						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
Drain UFM-P	Standard larger than 0108						X
Drain UFM-T	Option Superplus						X

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Filter is taken out of operation (secure no pressure!)
2. Cleaning of the condensate collection area
3. Exchange of the filter element
4. Exchange of the seal of the housing
5. Testing and servicing respectively changing of the drain
6. If necessary confirming and giving notice of receipt of the service notification (Economizer)
7. Sticking on of the service label
8. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Industrial filter - Fine filter FF							
FF	0002 – 1920						
Service inspection	Examination according to operation manual			X			
Service-kit				X			
Drain UFM-P	Standard larger than 0108						X
Drain UFM-T	Option Superplus						X
Industrial filter - Micro filter MF							
MF	0002 – 1920						
Service inspection	Examination according to operation manual			X			
Service-kit				X			
Drain UFM-P	Standard larger than 0108						X
Drain UFM-T	Option Superplus						X
Industrial filter – Sub micro filter SMF							
SMF	0002 – 1920						
Service inspection	Examination according to operation manual			X			
Service-kit				X			
Drain UFM-P	Standard larger than 0108						X
Drain UFM-T	Option Superplus						X
Industrial filter - Activated carbon filter AK							
AK	0002 – 1920						
Service inspection	Examination according to operation manual	X					
Service-kit		X					

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Filter is taken out of operation (secure no pressure!)
2. Cleaning of the condensate collection area
3. Exchange of the filter element
4. Exchange of the seal of the housing
5. Testing and servicing, respectively changing the drain
6. If necessary confirming and giving notice of receipt to the service notification (Economizer)
7. Sticking on of the service label
8. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Silicone-free filter PEP, SBP, FFP, MFP, SMFP							
PEP SBP FFP MFP SMFP	0002 – 1920						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
Drain UFM-P	Standard larger than 0108						X
Drain UFM-T	Option Superplus						X
Medical vacuum filter MVAK, FFMV							
MVAK, FFMV	0002 – 0192						
Service inspection	Examination according to operation manual		X				
Service-kit A			X				
Vacuum filter VAK							
VAK	0002 – 1920						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
High-pressure micro filter HD-MF							
HD-MF	0003 – 0072						
Service inspection	Examination according to operation manual			X			
Service-kit				X			

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Filter is taken out of operation (secure no pressure!)
2. Cleaning of the condensate collection area
3. Exchange of the filter element
4. Exchange of the seal of the housing
5. Testing and servicing, respectively changing the drain
6. If necessary confirming and giving notice of receipt to the service notification (Economizer)
7. Sticking on of the service label
8. Recording of the data and inspection contents in a service report

Product	Type	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
	Remarks						
Membrane Compressed Air Dryer FRL - Maintenance unit SF							
SF	0002 – 0150						
Service inspection	Examination according to operation manual			X			
Filter element				X			
Drain				X			
Membrane Compressed Air Dryer VarioDry SP							
SP	5 – 32						
Service inspection	Examination according to operation manual			X			
Filter element				X			
Membrane performance test						X	

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Filter is taken out of operation (secure no pressure!)
2. Cleaning of the condensate collection area
3. Exchange of the filter element
4. Exchange of the seal of the housing
5. Testing and servicing, respectively changing the drain
6. If necessary confirming and giving notice of receipt to the service notification (Economizer)
7. Sticking on of the service label
8. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Process filter P-SRF N, P-SRF, P-GS, P-BE							
P-SRF N	03/10 – 30/50						
Service inspection	Examination according to operation manual			X			
Filter element		X					
Gasket & washer set				X			
P-SRF	03/10 – 30/50						
Service inspection	Examination according to operation manual			X			
Filter element		X					
Gasket & washer set				X			
P-GS	03/10 – 30/50						
Service inspection	Examination according to operation manual			X			
Filter element			X				
Gasket & washer set				X			
P-BE	03/10 – 30/50						
Service inspection	Examination according to operation manual			X			
Filter element		X					
Gasket & washer set				X			
Process filter housing P-EG							
P-EG	0006 – 1920						
Service inspection	Examination according to operation manual			X			
Gasket & washer set				X			

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Filter is taken out of operation (secure no pressure!)
2. Cleaning of the condensate collection area
3. Exchange of the filter element
4. Exchange of the seal of the housing
5. Testing and servicing, respectively changing the drain
6. Sticking on of the service label
7. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Refrigeration compressed air dryer Buran SD 0010 – SD 1650							
SD 0010 A – SD 1650 AP							
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
Carepac e						X*	X*
Carepac c	Refrigerant-compressor kit if required for breakdown elimination						

* acc. to application

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Recording the condition of the system
2. Visual check of the refrigeration cycle and the filters
3. Air-tight test of the refrigeration cycle under system pressure
4. Testing of the refrigeration compressor, valves and if necessary new adjusting
5. Testing and cleaning of the evaporator
6. Testing of the refrigerant, the control unit and the expansion valve
7. Testing of the refrigerant evaporation and re-setting if required
8. Checking of all electrical components, resistors and indicator lamps
9. Checking of the refrigeration compressor and the effectiveness
10. Cleaning and checking of the condensate blow-off device
11. Checking of the filter elements
12. Testing of the refrigeration compressor and final safety test of the complete compressed air dryer
13. Maintenance service of the fridge dryer: Elimination of smaller malfunctions to the equipment as far as this is possible without extremely time consuming repairs and additional material
14. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
		Refrigeration compressed air dryer Buran DC 0020 – DC 0085					
DC 0020 A – DC 0085 A							
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
Carepac e						X*	X*
Carepac c	Refrigerant-compressor kit if required for breakdown elimination						

* acc. to application

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Recording the condition of the system
2. Visual check of the refrigeration cycle and the filters
3. Air-tight test of the refrigeration cycle under system pressure
4. Testing of the refrigeration compressor, valves and if necessary new adjusting
5. Testing and cleaning of the evaporator
6. Testing of the refrigerant, the control unit and the expansion valve
7. Testing of the refrigerant evaporation and re-setting if required
8. Checking of all electrical components, resistors and indicator lamps
9. Checking of the refrigeration compressor and the effectiveness
10. Cleaning and checking of the condensate blow-off device
11. Checking of the filter elements
12. Testing of the refrigeration compressor and final safety test of the complete compressed air dryer
13. Maintenance service of the fridge dryer: Elimination of smaller malfunctions to the equipment as far as this is possible without extremely time consuming repairs and additional material
14. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Refrigeration compressed air dryer Boreas SD 1950 – SD 12500							
	SD 1950 – SD 12500						
Service inspection	Examination according to operation manual						
Service-kit A				X			
Carepac e						X	X
Carepac c	Refrigerant-compressor kit if required for breakdown elimination						

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Recording the condition of the system
2. Visual check of the refrigeration cycle and the filters
3. Air-tight test of the refrigeration cycle under system pressure
4. Testing of the refrigeration compressor, valves and if necessary new adjusting
5. Testing and cleaning of the evaporator
6. Testing of the refrigerant, the control unit and the expansion valve
7. Testing of the refrigerant evaporation and re-setting if required
8. Checking of all electrical components, resistors and indicator lamps
9. Checking of the refrigeration compressor and the effectiveness
10. Cleaning and checking of the condensate blow-off device
11. Checking of the filter elements
12. Testing of the refrigeration compressor and final safety test of the complete compressed air dryer
13. Maintenance service of the fridge dryer: Elimination of smaller malfunctions to the equipment as far as this is possible without extremely time consuming repairs and additional material
14. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Refrigeration compressed air dryer Boreas DV 1800 – DV 14250							
	DV 1800 – DV 14250						
Service inspection	Examination according to operation manual						
Service-kit A				X			
Carepac e						X	X
Carepac c	Refrigerant-compressor kit if required for breakdown elimination						

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Recording the condition of the system
2. Visual check of the refrigeration cycle and the filters
3. Air-tight test of the refrigeration cycle under system pressure
4. Testing of the refrigeration compressor, valves and if necessary new adjusting
5. Testing and cleaning of the evaporator
6. Testing of the refrigerant, the control unit and the expansion valve
7. Testing of the refrigerant evaporation and re-setting if required
8. Checking of all electrical components, resistors and indicator lamps
9. Checking of the refrigeration compressor and the effectiveness
10. Cleaning and checking of the condensate blow-off device
11. Checking of the filter elements
12. Testing of the refrigeration compressor and final safety test of the complete compressed air dryer
13. Maintenance service of the fridge dryer: Elimination of smaller malfunctions to the equipment as far as this is possible without extremely time consuming repairs and additional material
14. Recording of the data and inspection contents in a service report

Product	Type	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
	Remarks						
Refrigeration compressed air dryer Bora HPD 0040 – HPD 5000 Refrigeration compressed air dryer Buran HTD 0010 – HTD 0225							
HPD HTD	0040 – 5000 0010 – 0225						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
Carepac e						X*	X*
Carepac c	Refrigerant-compressor kit if required for breakdown elimination						

*acc. to application

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Recording the condition of the system
2. Visual check of the refrigeration cycle and the filters
3. Air-tight test of the refrigeration cycle under system pressure
4. Testing of the refrigeration compressor, valves and if necessary new adjusting
5. Testing and cleaning of the evaporator
6. Testing of the refrigerant, the control unit and the expansion valve
7. Testing of the refrigerant evaporation and re-setting if required
8. Checking of all electrical components, resistors and indicator lamps
9. Checking of the refrigeration compressor and the effectiveness
10. Cleaning and checking of the condensate blow-off device
11. Checking of the filter elements
12. Testing of the refrigeration compressor and final safety test of the complete compressed air dryer
13. Maintenance service of the fridge dryer: Elimination of smaller malfunctions to the equipment as far as this is possible without extremely time consuming repairs and additional material
14. Recording of the data and inspection contents in a service report

Product	Type	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
	Remarks						
Activated carbon adsorber Ultrasorp AKC 0005 - 8750							
AKC	0005 – 8750						
Service inspection	Examination according to operation manual		X*	X			
Carepac						X	

* acc. to application

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Visual controlling of the activated carbon desiccant
2. Checking of the desiccant and exchanging it according to the service interval
3. Leakage-test under pressure
4. Test-run under pressure
5. New operation start-up of the activated carbon desiccant
6. Checking of the compressed air quality
7. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Adsorption dryers 0005 - 0100							
Ultrapac 2000	0005 – 0100						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
Carepac					X*		
Ultrapure 2000 Medipac 2000	0005 – 0100						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
Carepac 1					X		
Carepac 2				X			
Oilfreepac 2000	0005 – 0100						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
Carepac					X*		

* acc. to application

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Visual check of the adsorption dryer and filters
2. Checking of the pre and after filter elements and exchange of the elements
3. Testing and cleaning of the condensate drains
4. Checking all valves, cleaning and lubrication if required
5. Checking and if necessary exchanging of the silencer elements
6. Checking all electrical components and indicator lamps
7. Checking the desiccant and exchanging it according to the service interval
8. Leakage-test under pressure
9. Test-run and adjacent controlling
10. Checking the switch-over of the adsorption dryer
11. New operation start-up of the dryer
12. Checking of the compressed air quality
13. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Heatless adsorption dryers Ultrapac HED, ALD, MSD							
HED, ALD, MSD	0005 – 1000						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
Recalibration dewpoint transmitter	Option Ultraconomy			X			
Carepac						X	
HED, ALD, MSD	1350 - 8750						
Service inspection	Examination according to operation manual		X*	X*			
Service-kit A				X			
Recalibration dewpoint transmitter	Option Ultraconomy			X			
Carepac						X	

* acc. to application

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Visual check of the adsorption dryer and filters
2. Checking of the pre and after filter elements and exchange of the elements
3. Testing and cleaning of the condensate drains
4. Checking all valves, cleaning and lubrication if required
5. Checking and if necessary exchanging of the silencer
6. Checking all electrical components and indicator lamps
7. Checking the desiccant and exchanging it according to the service interval
8. Leakage-test under pressure
9. Test-run and adjacent controlling
10. Checking the switch-over of the adsorption dryer
11. New operation start-up of the dryer
12. Checking of the compressed air quality
13. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Purification package Oilfreepac OFP							
OFP	0005 – 1000						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
AK-Adsorber filling				X*			
Recalibration dewpoint transmitter	Option Ultraconomy			X			
Carepac						X	
OFP	1350 - 8750						
Service inspection	Examination according to operation manual		X*	X*			
Service-kit A				X			
AK-Adsorber filling				X*			
Recalibration dewpoint transmitter	Option Ultraconomy			X			
Carepac						X	

* acc. to application

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Visual check of the adsorption dryer and filters
2. Checking of the pre and after filter elements and exchange of the elements
3. Testing and cleaning of the condensate drains
4. Checking all valves, cleaning and lubrication if required
5. Checking and if necessary exchanging of the silencer
6. Checking all electrical components and indicator lamps
7. Checking the desiccant and adsorber and exchanging them according to the service interval
8. Leakage-test under pressure
9. Test-run and adjacent controlling
10. Checking the switch-over of the adsorption dryer
11. New operation start-up of the dryer
12. Checking of the compressed air quality
13. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Breathing air system Ultrapure ALG							
ALG	35 S – 375 S						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
OX-Adsorber filling				X*			
AK-Adsorber filling				X*			
SP-Adsorber filling				X*			
Recalibration dewpoint transmitter	Option Ultraconomy / central control system			X			
Carepac						X	

* acc. to application

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Visual check of the adsorption dryer and filters
2. Checking of the pre and after filter elements and exchange of the elements
3. Testing and cleaning of the condensate drains
4. Checking all valves, cleaning and lubrication if required
5. Checking and if necessary exchanging of the silencer
6. Checking all electrical components and indicator lamps
7. Checking the desiccant and adsorber and exchanging them according to the service interval
8. Leakage-test under pressure
9. Test-run and adjacent controlling
10. Checking the switch-over of the adsorption dryer
11. New operation start-up of the dryer
12. Checking of the compressed air quality
13. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
High Pressure Unit Ultradryer HLP PN 25 – PN 40							
HLP	0040 – 0155						
Service inspection	Examination according to operation manual		X*	X*	X*		
Service-kit A				X	X		
Recalibration dewpoint transmitter	Option: Ultraconomy			X	X		
Carepac						X	
Inlet filter	Option: Ultraconomy		X*	X	X	X	
Condensate drain	Option: Electronic condensate drain		X*	X	X	X	
Carepac	0260 - 1200						
Service inspection	Examination according to operation manual		X*	X*	X*		
Service-kit A				X			
Service-kit B					X		
Recalibration dewpoint transmitter	Option Ultraconomy			X	X		
Carepac						X	
Inlet filter	Option: Ultraconomy		X*	X	X	X	
Condensate drain	Option: Electronic condensate drain		X*	X	X	X	

* acc. to application

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Visual check of the adsorption dryer and filters
2. Checking of the pre and after filter elements and exchange of the elements
3. Testing and cleaning of the condensate drains
4. Checking all valves, cleaning and lubrication if required
5. Checking and if necessary exchanging of the silencer
6. Checking all electrical components and indicator lamps
7. Checking the desiccant and exchanging it according to the service interval
8. Leakage-test under pressure
9. Test-run and adjacent controlling
10. Checking the switch-over of the adsorption dryer
11. New operation start-up of the dryer
12. Checking of the compressed air quality
13. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Heat regenerated adsorption dryers Ultradryer HRE / HRS / HRG 0375 - 8750							
HRE / HRS / HRG	0375 – 8750						
Service inspection	Examination according ot operation manual			X*			
Service-kit A				X*			
Service-kit B					X*		
Desiccant analysis				X*			
Recalibration dewpoint transmitter	Option Ultraconomy			X*			
Service-kit B					X*		

* acc. to application

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Visual check of the adsorption dryer and filters
2. Leakage test under operation pressure
3. Checking the valves, cleaning and lubrication if required
4. Checking of the dewpoint and the regeneration air cycle – adjusting if required
5. Checking and cleaning of the condensate drain as well as the silencer
6. Checking of the regulator and the controller
7. Checking the desiccant load
8. Checking of all electrical components, relays and signal lamps
9. Performance check of the electrical and pneumatic components
10. Disassembly and checking of the filter elements
11. Test-run and adjacent control
12. Compressed air quality check
13. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Oil/water separation systems UFS-SP, UFS-SP N, UFA-AC							
UFS – SP / UFS-SP N	5 – 240						
Quality test	Testing of the waste water milkiness every 14 days						
Service inspection	Examination according to operation manual		X				
Carepac			X				
UFA-AC	0008 – 0256						
Service inspection	Examination according to operation manual		X				
Service-kit A				X			
Carepac 1						X	

Scope of the service inspection UFS-SP

During each inspection the Donaldson –service performs the following standard procedures:

1. Testing of the waste water quality and separation
2. Testing and if necessary adjusting of the oil outlet
3. Emptying of the oil canister in the suitable waste disposal vessel
4. A waste water sample has to be taken from the sample-tap
5. If the sample should be murky the desiccant needs to be changed
6. Emerging water should be tested for clearness
7. Emptying out and cleaning of the oil / water separator system
8. Exchange of the sedimentation tray and the coalescence filter
9. Exchange of the pre adsorber and the AK-adsorbers
10. Operation start of the oil / water separator system
11. Checking of the flow
12. Recording of the data and inspection contents in a service report

Scope of the service inspection UFA-AC

During each inspection the Donaldson –service performs the following standard procedures:

1. Testing of the waste water quality and separation
2. Emerging water should be tested for clearness
3. Testing and if necessary adjusting of the oil outlet
4. Checking the parameter and the operations message
5. Emptying of the oil canister in the suitable waste disposal vessel
6. Test the filter element of the compressed air filter and change yearly
7. Empty and clean all vessels
8. Exchange of the sedimentation tray and the coalescence filter
9. Controlling the detergent supply and refilling the detergent
10. Controlling the condensate discharge collecting basin
11. Controlling the collecting basin
12. Special rinsing of the membranes with the service detergent
13. Operation start of the Ultraaqua with water
14. Checking of the flow
15. Adjusting of the level-measurement
16. Recording of the data and inspection contents in a service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Chillers Ultracool UC							
UC	0010 – 1700						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
Carepac e						X*	X*
Carepac c	Respectively for breakdown elimination						

* acc. to application

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Check that the water temperature on the regulating thermostat display is approximately similar to that of the adjustable point
2. Check the ambient temperature and the condensation pressure (temperature). If the temperature difference exceeds 20°C the condenser should be cleaned.
3. Check the evaporation pressure (temperature). If the temperature difference exceeds 8°C, the evaporator should be cleaned.
4. Check that the pump pressure is similar to the nominal one (indicated on the characteristics plate). Adjust the pressure if necessary.
5. UC-MINI and UC-MIDI Standard series: check the condition of the water filter if available
6. UC-MIDI Superplus: check the condition of the water filter casing (in the tank); if the pressure exceeds 0,5 bar the filter element should be exchanged
7. During device is turned off (main-switch off) the drain should be cleaned with a compressed air stream starting on the inside and working your way through the outside
8. Housing should be cleaned inside and outside especially taking care of cleaning the dust on the water pump frame
9. Filter elements should be changed and the water circulation should be replaced by clean water
10. Sticking on the service label
11. Recording of the data and inspection contents in service report

Product	Type Remarks	3 Months	6 Months	12 Months	24 Months	3 Years	5 Years
Condensate drains UFM-T, UFM-P							
UFM-T	05 – 100 20HP						
Service inspection	Examination according to operation manual			X			
Service-kit A				X			
UFM-P							
Service inspection	Examination according to operation manual			X			
Service-kit A				X			

Scope of service inspection

During each inspection the Donaldson-service performs the following standard procedures:

1. Take the condensate drain out of operation (pressure-free and voltage-free)
2. Cleaning of the condensate collection area
3. Exchange of the consumable parts set when exchanging all seals
4. Checking and cleaning of the control solenoid valve
5. Cleaning of the dirt-collector (if available)
6. Mounting and re-connection of the condensate drain
7. Functional test
8. Recording of the data and inspection contents in s service report

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