

**Hydratech Industries**  
Wind Power

# Your Maintenance in **Safe Hands**



**Wind Turbine  
Filters**



Your

# Regular Maintenance

## Supplier of

- *More than 30 years experience*
- *Competitive prices*
- *Technical support*
- *Spare parts & repair*
- *Online access to documentation*

- Pitch Cylinders
- **Filters**
- Burst Discs
- Valves
- Accumulators
- Pumps
- Motors
- Upgrade Kits
- Complete Hydraulic Units

#### *Exemptions*

*The part numbers shown in this brochure are intended for specific versions of Hydratech hydraulic assemblies for wind turbines (the B-numbers listed indicate one assembly version) .*

*It is the responsibility of the user to ensure, that parts mounted are specifically intended for the individual specific version of assemblies.*

*Hydratech is not responsible for parts being used in any other application or with any other purpose than originally intended according to documentation engineered and supplied by Hydratech Industries Wind Power.*

Contact us 24-7

[servicehwp@hydratech-industries.com](mailto:servicehwp@hydratech-industries.com)

**Wind Turbine  
Filters**

# Filters

## 3,6 MW

HWP Part No.	Description	Part of:	Assembly part no:
1001354	Pressure filter, bowl	Pitch pump unit 3,6 MW	B3252
1001355	Filter element, high pressure f. 1001355	Pitch pump unit 3,6 MW	B3252
322170	Return filter, in tank	Pitch pump unit 3,6 MW	B3252
322175	Return line filter element f. 322170	Pitch pump unit 3,6 MW	B3252
722120	Air filter	Pitch pump unit 3,6 MW	B3252
1001354	Pressure filter, bowl	Pitch pump unit 3,6 MW Mrk.II	B3755
1001355	Filter element, high pressure f. 1001355	Pitch pump unit 3,6 MW Mrk.II	B3755
322175	Return line filter element f. 322170	Pitch pump unit 3,6 MW Mrk.II	B3755
722120	Air filter	Pitch pump unit 3,6 MW Mrk.II	B3755
1001354	Pressure filter, bowl	Pitch pump unit 3,6 MW	B4000
1001355	Filter element, high pressure f. 1001355	Pitch pump unit 3,6 MW	B4000
322175	Return line filter element f. 322170	Pitch pump unit 3,6 MW	B4000
722120	Air filter	Pitch pump unit 3,6 MW	B4000
103080	Return filter bowl	Hatch unit 3,6 MW	B3250
103085	Return line filter element f. 103080	Hatch unit 3,6 MW	B3250
103080	Return filter bowl	Hatch unit 3,6 MW	B3926
103085	Return line filter element f. 103080	Hatch unit 3,6 MW	B3926
132250	Return filter, in tank	HS Brake unit 3,6 MW	B3255
323214	Return line filter element f. 132250	HS Brake unit 3,6 MW	B3255
320139	strainer, return from HS brake caliber	HS Brake unit 3,6 MW	B3255
722120	Air filter	HS Brake unit 3,6 MW	B3255
203780	Return - suction filter	HS brake 3,6 MW	B3999
203786	Return line filter element f. 203780	HS brake 3,6 MW	B3999
722120	Air filter	HS brake 3,6 MW	B3999
203782	Return filter, in tank	3,6 MW yaw brake	
203788	Return line filter element f. 203782	3,6 MW yaw brake	B3251
722120	Air filter	3,6 MW yaw brake	B3251
203782	Return filter, in tank		
203788	Return line filter element f. 203782	3,6 MW yaw brake, 120m	B4346
722120	Air filter	3,6 MW yaw brake, 120m	B4346

## 4,0 MW

HWP Part No.	Description	Part of:	Assembly part no:
1001354	Pressure filter, bowl	4,0 MW Block/Accu.asm.for manifold B4505	B4531
1001355	Filter element, high pressure f. 1001355	4,0 MW Block/Accu.asm.for manifold B4505	B4531
1002165	Micro filter with thread	4,0 MW Block/Accu.asm.for manifold B4505	B4531
1005308	Return filter, in tank	4,0 MW tank wall mount.for B4539 manifold	B4532
1005310	Filter element f. return filter 1005308	4,0 MW tank wall mount.for B4539 manifold	B4532
722120	Spin-on air filter	4,0 MW tank wall mount.for B4539 manifold	B4532

## 6,0 MW

HWP Part No.	Description	Part of:	Assembly part no:
722120	Spin-on air filter	6,0 MW Power Pack	B4765
1002077	Return filter, in tank	6,0 MW Power Pack	B4765
1002124	Filter element for 1002077	6,0 MW Power Pack	B4765
1005882	Off-line filter	6,0 MW Power Pack	B4765
1005884	Filter element for 1005882	6,0 MW Power Pack	B4765
1001354	Pressure filter, bowl	for manifold assembly B4504	B4472
1001355	Filter element, high pressure f. 1001355	for manifold assembly B4504	B4472
1002165	Micro filter with thread	for manifold assembly B4504	B4472
722120	Spin-on air filter	6 MW PS3 w/ el. Rotor lock	B4646
1002077	Return filter, in tank	6 MW PS3 w/ el. Rotor lock	B4646
1002124	Filter element for 1002077	6 MW PS3 w/ el. Rotor lock	B4646
1005882	Off-line filter	6 MW PS3 w/ el. Rotor lock	B4646
1005884	Filter element for 1005882	6 MW PS3 w/ el. Rotor lock	B4646

## 3,0 MW

HWP Part No.	Description	Part of:	Assembly part no:
1000673	Return filter, in tank	3,0 MW 50Hz Pitch /LS br.	B4130
1001749	Return line filter f. 1000673	3,0 MW 50Hz Pitch /LS br.	B4130
1001040	Pressure filter, bowl	3,0 MW 50Hz Pitch /LS br.	B4130
1001041	High pressure filter f. 1001040	3,0 MW 50Hz Pitch /LS br.	B4130
722120	Air filter	3,0 MW 50Hz Pitch /LS br.	B4130
1000673	Return filter, in tank	3,0 MW 50Hz straight tank	B4296
1001749	Return line filter f. 1000673	3,0 MW 50Hz straight tank	B4296
1001040	Pressure filter, bowl	3,0 MW 50Hz straight tank	B4296
1001041	High pressure filter f. 1001040	3,0 MW 50Hz straight tank	B4296
722120	Air filter	3,0 MW 50Hz straight tank	B4296
1002165	strainer, return from HS brake caliber new model w. thread	Manifold 3,0 MW for B4296	B4296
1000673	Return filter, in tank	3,0 MW 60Hz Pitch /LS br.	B4248
1001749	Return line filter f. 1000673	3,0 MW 60Hz Pitch /LS br.	B4248
1001040	Pressure filter, bowl	3,0 MW 60Hz Pitch /LS br.	B4248
1001041	High pressure filter f. 1001040	3,0 MW 60Hz Pitch /LS br.	B4248
722120	Air filter	3,0 MW 60Hz Pitch /LS br.	B4248
1002165	strainer, return from HS brake caliber new model w. thread	3,0 MW 60Hz Pitch /LS br.	B4248

## 2,3 MW VS MK III

HWP Part No.	Description	Part of:	Assembly part no:
1001360	Pressure filter,high, flange	Pitch pump unit 2,3 MW	B3735
1001518	High pressure filter element f. 1001360	Pitch pump unit 2,3 MW	B3735
1000673	Return filter, in tank	Pitch pump unit 2,3 MW	B3735
1001749	Return line filter element f. 1000673	Pitch pump unit 2,3 MW	B3735
722120	Air filter	Pitch pump unit 2,3 MW	B3735
320139	strainer, return from HS brake caliber	Pitch pump unit 2,3 MW	B3735
323216	Filter element with bypass	Pitch pump unit 2,3 MW	B3735
323214	Filter element with bypass	Pitch pump unit 2,3 MW	B3735
117100	Filter element	Pitch pump unit 2,3 MW	B3735
1001360	Pressure filter,high, flange	2,3 MW Mk3 AE Power Pack arctic	B4353
1001518	High pressure filter element f. 1001360	2,3 MW Mk3 AE Power Pack arctic	B4353
1000673	Return filter, in tank	2,3 MW Mk3 AE Power Pack arctic	B4353
1001749	Return line filter element f. 1000673	2,3 MW Mk3 AE Power Pack arctic	B4353
722120	Air filter	2,3 MW Mk3 AE Power Pack arctic	B4353
320139	strainer, return from HS brake caliber	2,3 MW Mk3 AE Power Pack arctic	B4353
323216	Filter element with bypass	2,3 MW Mk3 AE Power Pack arctic	B4353
323214	Filter element with bypass	2,3 MW Mk3 AE Power Pack arctic	B4353
117100	Filter element	2,3 MW Mk3 AE Power Pack arctic	B4353

# Filters

## 2,3 MW VS MK II

HWP Part No.	Description	Part of:	Assembly part no:
1001518	Pressure filter	Pitch pump unit 2,3 MW	*Specific versions before 2011
722120	Spin-on Air filter	Pitch pump unit 2,3 MW	*Specific versions before 2011
1001749	Return filter, tank	Pitch pump unit 2,3 MW	*Specific versions before 2011

*\*) Versions not supplied by Hydratech are only compatible with specific versions. For verification, please contact our service team.*

## NM 72-82

HWP Part No.	Description	Part of:	Assembly part no:
112850	Pressure filter,high, flange complete	Brake-Yaw Hydraulics Std/Arctic	B2271
117210	Filter element high pressure f.112850	Brake-Yaw Hydraulics Std/Arctic	B2271
137700	FBO air filter	Brake-Yaw Hydraulics Std/Arctic	B2271
138490	FBO pressure filter complete	Pitch Hydraulics Pump manifold	B2031
140125	Filter element f. 138490	Pitch Hydraulics Pump manifold	B2031
138220	Pressure Filter complete	Accumulator assembly for Pitch system	B2050
138580	Element FBO Filter element f.138220	Accumulator assembly for Pitch system	B2050
722201	Airfilter w/Silicagel	Tank assembly for Pitch system	B2054
724201	Replacement Silicagel f. 722201	Tank assembly for Pitch system	B2054
138110	Spin on filter element	Tank assembly for Pitch system	B2054

## 2,3 MW VS MK III

HWP Part No.	Description	Part of:	Assembly part no:
1001360	Pressure filter,high, flange	2,3 MW Mk3 60 Hz AE Power Pack	B4352
1001518	High pressure filter element f. 1001360	2,3 MW Mk3 60 Hz AE Power Pack	B4352
1000673	Return filter, in tank	2,3 MW Mk3 60 Hz AE Power Pack	B4352
1001749	Return line filter element f. 1000673	2,3 MW Mk3 60 Hz AE Power Pack	B4352
722120	Air filter	2,3 MW Mk3 60 Hz AE Power Pack	B4352
320139	strainer, return from HS brake caliber	2,3 MW Mk3 60 Hz AE Power Pack	B4352
323216	Filter element with bypass	2,3 MW Mk3 60 Hz AE Power Pack	B4352
323214	Filter element with bypass	2,3 MW Mk3 60 Hz AE Power Pack	B4352
117100	Filter element	2,3 MW Mk3 60 Hz AE Power Pack	B4352
1001360	Pressure filter,high, flange	2,3 MW Mk3 60 Hz arctic	B4354
1001518	High pressure filter element f. 1001360	2,3 MW Mk3 60 Hz arctic	B4354
1000673	Return filter, in tank	2,3 MW Mk3 60 Hz arctic	B4354
1001749	Return line filter f. 1000673	2,3 MW Mk3 60 Hz arctic	B4354
722120	Air filter	2,3 MW Mk3 60 Hz arctic	B4354
320139	strainer, return from HS brake caliber	2,3 MW Mk3 60 Hz arctic	B4354
323216	Filter element with bypass	2,3 MW Mk3 60 Hz arctic	B4354
323214	Filter element with bypass	2,3 MW Mk3 60 Hz arctic	B4354
117100	Filter element	2,3 MW Mk3 60 Hz arctic	B4354

## NM 48/750

HWP Part No.	Description	Part of:	Assembly part no:
503410	Suction Filter	Blade Hydraulics	B1113
112800	Pressure Filter, High Flange	Blade Hydraulics	B1113
117100	Filter element f. 112800	Blade Hydraulics	B1113
503410	Suction Filter	Brake Hydraulics	99001166

## NM 52/900

HWP Part No.	Description	Part of:	Assembly part no:
589250	FILTER/ 3.259.001 BRONZE ELEME	Brake Hydraulics	99001170
503410	Suction Filter	Brake Hydraulics	99001170
137700	Tank breather /air filter	Brake Hydraulics	99001170
503410	Suction Filter	Standard Blade hydraulics	B2163
112800	Pressure filter complete	Standard Blade hydraulics	B2163
117100	Filter element f. 112800	Standard Blade hydraulics	B2163

## NM 72/2000

HWP Part No.	Description	Part of:	Assembly part no:
722201	Airfilter w/Silicagel	Nacelletank complete	B1950
724201	Replacement Silicagel f. 722201	Nacelletank complete	B1950
138110	Spin on filter element	Nacelletank complete	B1950
323600	Pressure filter,high, flange	for Pump manifold	B1536
323610	Pressure filter element f.323600	for Pump manifold	B1536
138165	Pressure filter,high, inline	For Accumulator Assembly	B1562
138567	Pressure filter element f. 138165	For Accumulator Assembly	B1562
503410	Suction Filter	Brake Hydraulic	B1297
589250	Pressure filter,medium, inline	Brake Hydraulic	B1297
429000	Air Filter complete	Brake Hydraulic	B1297
503410	Suction Filter	Yaw Hydraulic	99001159
564200	Oil Filter	Yaw Hydraulic	99001159
503410	SUCTION STRAINER T3-1001-00	Brake/Yaw Combi Hydraulic	B1657
137790	HP FILTERBOWL Complete	Brake/Yaw Combi Hydraulic	B1657
138567	Filter element f. 137790	Brake/Yaw Combi Hydraulic	B1657
137700	Tank breather /Air filter	Brake/Yaw Combi Hydraulic	B1657

## NM 44/750

HWP Part No.	Description	Part of:	Assembly part no:
503410	Suction Filter	Blade Hydraulics	99001153
429500	Pressure filter	Blade Hydraulics	99001153

## NM 64C/1500

HWP Part No.	Description	Part of:	Assembly part no:
112800	Pressure filter complete	Blade Hydraulics	B1418
117100	Filter element f. 112800	Blade Hydraulics	B1418
503410	Suction filter	Blade Hydraulics	B1418
137700	Tank breather/air filter	Brake and Yaw Combi Hydraulics	B2171
112850	Pressure filter,high, flange complete	Brake and Yaw Combi Hydraulics	B2171
117210	Filter element high pressure f.112850	Brake and Yaw Combi Hydraulics	B2171

## NM 54/950

HWP Part No.	Description	Part of:	Assembly part no:
137795	Pressure filter complete	Powerpack	B2419
138825	Filter element for 137795	Powerpack	B2419
503410	Suction filter	Powerpack	B2419
589250	FILTER/ 3.259.001 BRONZE ELEME	Brake Hydraulics	99001170
503410	Suction filter	Brake Hydraulics	99001170
137700	Tank breather /air filter	Brake Hydraulics	99001170
112800	Pressure filter complete	Yaw Hydraulics	B0634
117100	Filter element f. 112800	Yaw Hydraulics	B0634
137700	Tank breather / air filter	Yaw Hydraulics	B0634



## Spare Parts

### Regular Maintenance and Wear and Tear Parts

We are here to support you in sourcing the correct and original spare parts to ensure the best quality of regular maintenance and service.

Highest possible availability is of utmost importance for any turbine owner.

With direct access to the original documentation, partslists and manuals, our dedicated and highly experienced team members can easily assist you in identifying which parts are needed for particular situations.

### Global Service to Our Customers

With our global presence and our extensive experience, Hydratech Industry is one of the leading suppliers and developers of hydraulic solutions for the global wind turbine manufacturers (OEM's). We supply spareparts, repairs, upgrades and other solutions to enhance the maintenance of the turbines and subsequently optimize availability of the turbine throughout the lifecycle.



### Dedicated to Service and Repair

#### Wind Turbine Hydraulic Parts Globally

Hydratech Industries Wind Power is expert in design, production and service and repair of hydraulic and cooling solutions. With thirty years of experience in manufacturing, our global service and repair team can provide:

- Fast, dependable repair
- Quick turnaround with large spare part inventory
- Retrofit designs providing solutions to current problems
- Upgrades to improve performance, including bladder accumulators to complete piston accumulators
- Routine service to prevent unscheduled downtime.



# Global Service Organization



**Bjarne Nyborg Nielsen, DK**  
bny@hydrattech-industries.com

Bjarne is our Global Service Manager, and has more than 25 years of experience within the wind turbine industry. First as a technician and now more than 20 years in global service management.



**Tina Dalstrup Jakobsen, DK**  
tdj@hydrattech-industries.com

Tina has a commercial background with more than 25 years of experience from larger global sales organizations. Coordinating orders, requests, prices, sales material and multiple other tasks.



**Lars Dissing Andersen, USA**  
lda@hydrattech-industries.com

Lars has both a technical and commercial background, and altogether more than fifteen years of wind turbine experience. Lars is Head of Operations for the US part of the global service team.



**Martin Villadsen, DK**  
mkv@hydrattech-industries.com

Martin has many years of experience within wind turbine industry and is responsible for our workshop team regarding repairs, testing, site visits etc.



**Charlotte Lund Grønbaek, DK**  
clg@hydrattech-industries.com

Charlotte is assisting the team in registration of repairs, handling orders and multiple other tasks.



**Mickey Gilbert, USA**  
mag@hydrattech-industries.com

Mickey has a technical background and more than twenty years of experience in industrial sales and sales management, and as such anchoring the US team in house regarding all service related task.



**Steen Hjorth, DK**  
sh@hydrattech-industries.com

Steen has a technical background and he has worked with sales and consulting for hydraulic equipment for the wind industry and automation industry for more than 25 years.



**Camilla Hammerholt Jensen, DK**  
cmj@hydrattech-industries.com

Camilla is responsible for updating and uploading Hydrattech spare parts for web sales, but also for supporting the team on a daily basis regarding request and orders.



**Greg Myers, USA**  
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Greg is our Wind Power Sales Manager responsible for Wind Power Sales West US. He has twenty plus years of experience in industrial sales and management.



**Morten Bundgaard, DK**  
mob@hydrattech-industries.com

Morten has a technical and commercial background and more than 20 years of experience with the OEM wind power industry.



**Janna Young, USA**  
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Janna Young served three years in the United States Air Force prior to joining Hydrattech Industries. Janna is assisting the US team of Hydrattech Industries with a wide range of administrative tasks.

**Hydrattech Industries**  
Wind Power

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