First class power

The most powerful "mobile" Nilfisk-CFM industrial vacuum, featuring 30 HP and up to 36000 l/m airflow
Designed for heavy duty and continuous use, it doesn't need any maintenance and grants an excellent filtering efficiency thanks also to the electric filter shaker. Despite its size, it is very easy to move and to use: the vacuometer monitors the filter, the container is easily extractible, the control panel includes on-off switches, timer and manometer. This vacuum is also equipped with lifting brackets or clamp and brackets and it mounts a comfortable accessory box.

- High suction power
- Excellent filtering efficiency
- Maintenance free
- Easy to use
- Absolute filter version
- “L”, “M”,“H”, or PTFE filter Stainless steel version



Picture shown may not represent model quoted

● Standard equipment

● Standard equipment

Model	3997	3997 C	3997W
Ref. no.	4031000004	4031000011	4031000016
PRODUCT FEATURES			
Electrical filter shaker	●		●
Star triangle starting	●	●	●
Inversor switch	●	●	●
Relief valve	●	●	●
L class filter	●		●
M class filter		●	
Purge jet system		●	
Vacuum Gauge (Filter Surveillance)	●	●	●

Model	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
Ref. no.	4031000018	4031000021	4031000101
PRODUCT FEATURES			
Electrical filter shaker	●	●	●
Star triangle starting	●	●	●
Inversor switch	●	●	●
Relief valve	●	●	●

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First class power

Model	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
Ref. no.	4031000018	4031000021	4031000101
PRODUCT FEATURES			
L class filter			
M class filter			
Purge jet system		•	
Vacuum Gauge (Filter Surveillance)	•	•	•

Technical specifications	3997	3997 C	3997W
Voltage (V)	400	400	400
Frequency (Hz)	50	50	50
IP protection class	55	55	55
Insulation class	F	F	F
Rated power (kW)	20	20	20
Airflow without hose (m³/h - l/m)	1116 - 18600	1116 - 18600	2160 - 36000
Max. vacuum (kPa - mbar)	44 - 440	44 - 440	25 - 250
Sound pressure level at 1.5 m (dB(A) ISO 3744)	79	79	78
Container capacity (l)	175	175	175
Main filter area (cm²)	66000	110000	66000
Inlet (mm)	100	120	100
Length x width x height (mm)	2000x900x2150	2000x900x2150	2000x900x2150
Weight (kg)	650	697	650
Current draw, rated (A)			

Technical specifications	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
Voltage (V)	400	400	400
Frequency (Hz)	50	50	50
IP protection class	55	55	65
Insulation class	F	F	I
Rated power (kW)	20	20	21.3
Airflow without hose (m³/h - l/m)	2160 - 36000	2160 - 36000	1116-18600
Max. vacuum (kPa - mbar)	25 - 250	25 - 250	44-440
Sound pressure level at 1.5 m (dB(A) ISO 3744)	78	78	71
Container capacity (l)	175	175	175
Main filter area (cm²)	66000	98000	66000
Inlet (mm)	100	120	100
Length x width x height (mm)	2000x900x2150	2000x900x2150	2000x900x2150
Weight (kg)	650	697	650



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First class power

Technical specifications	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
Current draw, rated (A)			38:3

● Standard equipment, ○ Supplementary accessories, □ Mountable equipment

	Accessories	Ref. no.	Min. required	3997	3997 C	3997W
Round Brush Nozzle						
	BRUSH D70 MM300 90	Z7 22077	1	○		
	BRUSH D70 MM400 90	Z7 22078	1	○		
	PAINTBRUSH D50/100 BRISTLES COMPLETE	Z7 22047	1	○		
	PAINTBRUSH D50/100 STEEL COMPLETE	Z7 22048	1	○		
Other						
	BRACKET EMPTYING BELT D560 COMPLETE	Z5 36076	1	○		
	DEPRESSOR GRID D560 FE COMPLETE	Z5 60039	1	○		
	DEPRESSOR GRID D560 INOX COMPLETE	Z5 60043	1	○		
	EMPTYING BELT D560 COMPLETE	Z5 36075	1	○		
	EXTRACT CYCLONE D560 FE COMPLETE BIG	Z5 60110	1	○		
	EXTRACT.CYCLONE D560 INOX COMPLETE BIG	Z5 60111	1	○		
	GRID AND VALVE D560 FE COMPLETE	Z5 60035	1	○		
	GRID AND VALVE D560 INOX COMPLETE	Z5 60037	1	○		
	TILTING DISCH. D560 FE COMPLETE SHEET	Z5 60274	1	○		
Vac Nozzle Dry						
	BRUSH D50 MM220 30 COMPLETE	Z7 22196	1	○		
	BRUSH D50 MM220 90 COMPLETE	Z7 22038	1	○		
	BRUSH D50 MM300 30 COMPLE	Z7 22197	1	○		

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First class power

Accessories		Ref. no.	Min. required	3997	3997 C	3997W
	BRUSH D50 MM300 90 COMPLETE	Z7 22039	1	○		
	BRUSH D50 MM400 30 COMPLETE	Z7 22198	1	○		
	BRUSH D50 MM400 90 COMPLETE	Z7 22040	1	○		
	BRUSH D50 MM500 30 COMPLETE	Z7 22199	1	○		
	BRUSH D50 MM500 90 COMPLETE	Z7 22041	1	○		
	BRUSH D70 MM500 90 COMPLETE	Z7 22093	1	○		
	MOB.SUCKER D50 MM500 FE COMPLETE	Z7 22147	1	○		
	MOB.SUCKER STRIP D50 MM300 FE COMPLETE	Z7 22175	1	○		
	MOB.SUCKER STRIP D50 MM400 FE COMPLETE	Z7 22137	1	○		
	MOB.SUCKER STRIP D50 MM500 FE COMPLETE	Z7 22148	1	○		
	MOB.SUCKER STRIP D70 MM500 FE COMPLETE	Z7 22149	1	○		
	MOBILE SUCKER D50 MM300 FE COMPLETE	Z7 22172	1	○		
	MOBILE SUCKER D50 MM400 FE COMPLETE	Z7 22029	1	○		
	MOBILE SUCKER D70 MM500 FE COMPLETE	Z7 22092	1	○		

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First class power

Accessories		Ref. no.	Min. required	3997	3997 C	3997W
	SUCKER D50 MM400 ALUMINIUM	Z7 22032	1	○		
	SUCKER X FURNACES D50 MM400 FE COMPLETE	Z7 22273	1	○		
Extension Tube						
	EXTENS. X FURNACES D40 MT3 AL. COMPLETE	Z7 22036	1	○		
	EXTENS. X FURNACES D50 MT3 AL COMPLETE	Z7 22037	1	○		
	EXTENSION D50 MT.1 ALUMINIUM COMPLETE	Z7 22005	1	○		
	EXTENSION D50 MT.2 ALUMINIUM COMPLETE	Z7 22004	1	○		
	EXTENSION D50 MT.3 ALUMINIUM COMPLETE	Z7 22003	1	○		
	EXTENSION X FURNACES D50 MT1 A COMPLETE	Z7 22271	1	○		
	EXTENSION X FURNACES D50 MT2 A COMPLETE	Z7 22268	1	○		
	HANDGRIP D50 ALUMINIUM COMPLETE	Z7 22025	1	○		
	HANDGRIP D50 CHROME PLT. COMPLETE	Z7 22122	1	○		
	HANDGRIP D70 ALUMINIUM COMPLETE	Z7 22091	1	○		



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Accessories		Ref. no.	Min. required	3997	3997 C	3997W
	NOZZLE FLUIDISED D50	ZA7210024	1	○		
	NOZZLE FLUIDISED D70	ZA7210026	1	○		
	NOZZLE FLUIDISED D100	ZA7210019	1	○		
	TELESCOPIC PROBE TUBE D50 FE	Z7 22054	1	○		
	TELESCOPIC PROBE TUBE D70 FE	Z7 22055	1	○		
Hose Vacuum Cleaner						
	AIR HOSE D50MT3+SLEEVES	Z7 22062	1	○		
	AIR HOSE D70MT3+SLEEVES	Z7 22063	1	○		
	AIR HOSE D100 IN METERS	Z7 24027	1	○		
	F_NON TOXIC ANTISTAT HOSE D50 IN METERS	Z7 24029	1	○		
	F_NON TOXIC ANTISTAT HOSE D70 IN METERS	Z7 24030	1	○		
	FLEX HOSE D50MT3+SLEEVES	Z7 22151	1	○		
	POLYURETHANE HOSE D50 3M +SLEEVES	Z7 22298	1	○		

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First class power

Accessories		Ref. no.	Min. required	3997	3997 C	3997W
	POLYURETHANE HOSE D70 3M +SLEEVES	Z7 22299	1	○		
	POLYURETHANE HOSE D100 IN METERS	Z7 24113	1	○		
	RUBBER HOSE D50 3M+INTEGRATED SLEEVES	Z7 24003	1	○		
	RUBBER HOSE D50 5M+INTEGRATED SLEEVES	Z7 24179	1	○		
	RUBBER HOSE D70 3M+INTEGRATED SLEEVES	Z7 24001	1	○		
	RUBBER HOSE D70 5M+INTEGRATED SLEEVES	Z7 24180	1	○		
	SLEEVE D50 RUBBER	Z7 20002	1	○		
	SLEEVE D50ANTISTAT.RUBBER COMPONENT ATEX	40000219	1	○		
	SLEEVE D70 RUBBER	Z7 20003	1	○		
	SLEEVE D70ANTISTAT.RUBBER COMPONENT ATEX	Z7 20310	1	○		
Option						
	ACCESSORY FOR DRUMS ZINC.PLT.	Z7 22180	1	○		
	CAP FOR DRUMS D560 FE COMPLETE	Z7 22159	1	○		
	CAP W.SMALL CYCLONE 560 FE COMPLETE	Z7 22181	1	○		
Crevice Nozzle						
	BLACK ANTISTATIC RUBBER NOZZLE D50 120MM	Z7 21080	1	○		

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Accessories		Ref. no.	Min. required	3997	3997 C	3997W
	CURVED FLAT LANCE D50 FE	Z7 21075	1	○		
	CURVED FLAT LANCE D70 MM1000 PVC	Z7 24012	1	○		
	FLAT LANCE D50 FE WITH INTERN.RIM	Z7 21074	1	○		
	FLAT LANCE D50 MM500 PVC	Z7 24013	1	○		
	FLAT LANCE D50 ZINC PLT.	Z7 21026	1	○		
	FLAT LANCE D70 ZINC PLT.	Z7 21028	1	○		
	FLAT LANCE DIAL D50 FE COMP.DIAL NYLON	Z7 22089	1	○		
	FLAT LANCE DIAL D50 FE COMPLETE DIAL	Z7 22023	1	○		
	GREY NBR NOZZLE D50 120MM	Z7 21030	1	○		
	LANCE D70 ALUMINIUM+HANDLES COMPLETE	Z7 22169	1	○		
	LANCE D100 ALUMINIUM+HANDLES COMPLETE	Z7 22190	1	○		
	SCRAPING SUCKER D50 FE	Z7 22034	1	○		

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First class power

	Accessories	Ref. no.	Min. required	3997	3997 C	3997W
	SCRAPING SUCKER D70 MM 200	Z7 22090	1	○		
Vacuum Hose and Connection						
	BENT CONNECTION D50 FE	Z7 21012	1	○		
	BENT CONNECTION D50/70 FE	Z7 22153	1	○		
	BENT CONNECTION D70 FE	Z7 21032	1	○		
	CONNECTION JOINT D50 FE	Z7 21002	1	○		
	CONNECTION JOINT D70 FE	Z7 21000	1	○		
	CONNECTION JOINT D100 FE	Z7 21041	1	○		
	CONNECTION TUBE D100 FE	Z7 21040	1	○		
	CONNECTION TUBE REG. D100 FE COMPLETE	Z7 22144	1	○		
	QUICK COUPLING D50 FE COMPLETE	Z7 22187	1	○		
	REDUCER D100/50 ZINC PLT.	Z7 22126	1	○		
	REDUCER D100/70 ZINC PLT.	Z7 22125	1	○		

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Accessories		Ref. no.	Min. required	3997	3997 C	3997W
	REDUCER REGULATION D100/50 COMPLETE	Z7 22165	1	○		
	REDUCER REGULATION D100/70 COMPLETE	Z7 22163	1	○		
Assembly						
	KIT CARTRIDGES D560 FE MOD.3707-3907	Z5 60078	1	○		
	KIT CARTRIDGES D560 INOX MOD.3707-3907	Z5 60114	1	○		
	KIT ELECT.FILTER SHAKERD560	Z5 60081	1	○		
	KIT LEVEL CHECK 3707 COMPLETE	Z5 60156	1	○		
Cone Nozzle						
	CONIC END D50/20 COMPLETE	Z7 22141	1	○		
	CONIC TUBE D50 RUBBER	Z7 21010	1	○		
	CONIC TUBE D70 RUBBER	Z7 21009	1	○		
Hose and Connection						
	QUICK COUPLING D70 FE COMPLETE	Z7 22188	1	○		
	TIE D40-60	Z8 40040	1	○		
Vac Nozzle Wet						
	LIQUIDS SUCKER D50 MM400 FE COMPLETE	Z7 22027	1	○		
Filter						

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First class power

Accessories		Ref. no.	Min. required	3997	3997 C	3997W
	KIT STAR FILTER D780	40000617	1	○		
	STAR FILTER 560 M	Z8 17246	1	○		

● Standard equipment, ○ Supplementary accessories, □ Mountable equipment

Accessories		Ref. no.	Min. required	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
Round Brush Nozzle						
	BRUSH D70 MM300 90	Z7 22077	1			
	BRUSH D70 MM400 90	Z7 22078	1			
	PAINTBRUSH D50/100 BRISTLES COMPLETE	Z7 22047	1			
	PAINTBRUSH D50/100 STEEL COMPLETE	Z7 22048	1			
Other						
	BRACKET EMPTYING BELT D560 COMPLETE	Z5 36076	1			
	DEPRESSOR GRID D560 FE COMPLETE	Z5 60039	1			
	DEPRESSOR GRID D560 INOX COMPLETE	Z5 60043	1			
	EMPTYING BELT D560 COMPLETE	Z5 36075	1			
	EXTRACT CYCLONE D560 FE COMPLETE BIG	Z5 60110	1			
	EXTRACT.CYCLONE D560 INOX COMPLETE BIG	Z5 60111	1			
	GRID AND VALVE D560 FE COMPLETE	Z5 60035	1			
	GRID AND VALVE D560 INOX COMPLETE	Z5 60037	1			
	TILTING DISCH. D560 FE COMPLETE SHEET	Z5 60274	1			
Vac Nozzle Dry						
	BRUSH D50 MM220 30 COMPLETE	Z7 22196	1			
	BRUSH D50 MM220 90 COMPLETE	Z7 22038	1			

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First class power

Accessories		Ref. no.	Min. required	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
	BRUSH D50 MM300 30 COMPLE	Z7 22197	1			
	BRUSH D50 MM300 90 COMPLETE	Z7 22039	1			
	BRUSH D50 MM400 30 COMPLETE	Z7 22198	1			
	BRUSH D50 MM400 90 COMPLETE	Z7 22040	1			
	BRUSH D50 MM500 30 COMPLETE	Z7 22199	1			
	BRUSH D50 MM500 90 COMPLETE	Z7 22041	1			
	BRUSH D70 MM500 90 COMPLETE	Z7 22093	1			
	MOB.SUCKER D50 MM500 FE COMPLETE	Z7 22147	1			
	MOB.SUCKER STRIP D50 MM300 FE COMPLETE	Z7 22175	1			
	MOB.SUCKER STRIP D50 MM400 FE COMPLETE	Z7 22137	1			
	MOB.SUCKER STRIP D50 MM500 FE COMPLETE	Z7 22148	1			
	MOB.SUCKER STRIP D70 MM500 FE COMPLETE	Z7 22149	1			
	MOBILE SUCKER D50 MM300 FE COMPLETE	Z7 22172	1			
	MOBILE SUCKER D50 MM400 FE COMPLETE	Z7 22029	1			

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First class power

Accessories		Ref. no.	Min. required	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
	MOBILE SUCKER D70 MM500 FE COMPLETE	Z7 22092	1			
	SUCKER D50 MM400 ALUMINIUM	Z7 22032	1			
	SUCKER X FURNACES D50 MM400 FE COMPLETE	Z7 22273	1			
Extension Tube						
	EXTENS. X FURNACES D40 MT3 AL. COMPLETE	Z7 22036	1			
	EXTENS. X FURNACES D50 MT3 AL COMPLETE	Z7 22037	1			
	EXTENSION D50 MT.1 ALUMINIUM COMPLETE	Z7 22005	1			
	EXTENSION D50 MT.2 ALUMINIUM COMPLETE	Z7 22004	1			
	EXTENSION D50 MT.3 ALUMINIUM COMPLETE	Z7 22003	1			
	EXTENSION X FURNACES D50 MT1 A COMPLETE	Z7 22271	1			
	EXTENSION X FURNACES D50 MT2 A COMPLETE	Z7 22268	1			
	HANDGRIP D50 ALUMINIUM COMPLETE	Z7 22025	1			

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Accessories		Ref. no.	Min. required	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
	HANDGRIP D50 CHROME PLT. COMPLETE	Z7 22122	1			
	HANDGRIP D70 ALUMINIUM COMPLETE	Z7 22091	1			
	NOZZLE FLUIDISED D50	ZA7210024	1			
	NOZZLE FLUIDISED D70	ZA7210026	1			
	NOZZLE FLUIDISED D100	ZA7210019	1			
	TELESCOPIC PROBE TUBE D50 FE	Z7 22054	1			
	TELESCOPIC PROBE TUBE D70 FE	Z7 22055	1			
Hose Vacuum Cleaner						
	AIR HOSE D50MT3+SLEEVES	Z7 22062	1			
	AIR HOSE D70MT3+SLEEVES	Z7 22063	1			
	AIR HOSE D100 IN METERS	Z7 24027	1			
	F_NON TOXIC ANTISTAT HOSE D50 IN METERS	Z7 24029	1			
	F_NON TOXIC ANTISTAT HOSE D70 IN METERS	Z7 24030	1			

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Accessories		Ref. no.	Min. required	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
	FLEX HOSE D50MT3+SLEEVES	Z7 22151	1			
	POLYURETHANE HOSE D50 3M +SLEEVES	Z7 22298	1			
	POLYURETHANE HOSE D70 3M +SLEEVES	Z7 22299	1			
	POLYURETHANE HOSE D100 IN METERS	Z7 24113	1			
	RUBBER HOSE D50 3M+INTEGRATED SLEEVES	Z7 24003	1			
	RUBBER HOSE D50 5M+INTEGRATED SLEEVES	Z7 24179	1			
	RUBBER HOSE D70 3M+INTEGRATED SLEEVES	Z7 24001	1			
	RUBBER HOSE D70 5M+INTEGRATED SLEEVES	Z7 24180	1			
	SLEEVE D50 RUBBER	Z7 20002	1			
	SLEEVE D50ANTISTAT.RUBBER COMPONENT ATEX	40000219	1			
	SLEEVE D70 RUBBER	Z7 20003	1			
	SLEEVE D70ANTISTAT.RUBBER COMPONENT ATEX	Z7 20310	1			
Option						
	ACCESSORY FOR DRUMS ZINC.PLT.	Z7 22180	1			

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Accessories		Ref. no.	Min. required	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
	CAP FOR DRUMS D560 FE COMPLETE	Z7 22159	1			
	CAP W.SMALL CYCLONE 560 FE COMPLETE	Z7 22181	1			
Crevice Nozzle						
	BLACK ANTISTATIC RUBBER NOZZLE D50 120MM	Z7 21080	1			
	CURVED FLAT LANCE D50 FE	Z7 21075	1			
	CURVED FLAT LANCE D70 MM1000 PVC	Z7 24012	1			
	FLAT LANCE D50 FE WITH INTERN.RIM	Z7 21074	1			
	FLAT LANCE D50 MM500 PVC	Z7 24013	1			
	FLAT LANCE D50 ZINC PLT.	Z7 21026	1			
	FLAT LANCE D70 ZINC PLT.	Z7 21028	1			
	FLAT LANCE DIAL D50 FE COMP.DIAL NYLON	Z7 22089	1			
	FLAT LANCE DIAL D50 FE COMPLETE DIAL	Z7 22023	1			
	GREY NBR NOZZLE D50 120MM	Z7 21030	1			
	LANCE D70 ALUMINIUM+HANDLES COMPLETE	Z7 22169	1			

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Accessories		Ref. no.	Min. required	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
	LANCE D100 ALUMINIUM+HANDLES COMPLETE	Z7 22190	1			
	SCRAPING SUCKER D50 FE	Z7 22034	1			
	SCRAPING SUCKER D70 MM 200	Z7 22090	1			
Vacuum Hose and Connection						
	BENT CONNECTION D50 FE	Z7 21012	1			
	BENT CONNECTION D50/70 FE	Z7 22153	1			
	BENT CONNECTION D70 FE	Z7 21032	1			
	CONNECTION JOINT D50 FE	Z7 21002	1			
	CONNECTION JOINT D70 FE	Z7 21000	1			
	CONNECTION JOINT D100 FE	Z7 21041	1			
	CONNECTION TUBE D100 FE	Z7 21040	1			
	CONNECTION TUBE REG. D100 FE COMPLETE	Z7 22144	1			

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Accessories		Ref. no.	Min. required	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
	QUICK COUPLING D50 FE COMPLETE	Z7 22187	1			
	REDUCER D100/50 ZINC PLT.	Z7 22126	1			
	REDUCER D100/70 ZINC PLT.	Z7 22125	1			
	REDUCER REGULATION D100/50 COMPLETE	Z7 22165	1			
	REDUCER REGULATION D100/70 COMPLETE	Z7 22163	1			
Assembly						
	KIT CARTRIDGES D560 FE MOD.3707-3907	Z5 60078	1			
	KIT CARTRIDGES D560 INOX MOD.3707-3907	Z5 60114	1			
	KIT ELECT.FILTER SHAKERD560	Z5 60081	1			
	KIT LEVEL CHECK 3707 COMPLETE	Z5 60156	1			
Cone Nozzle						
	CONIC END D50/20 COMPLETE	Z7 22141	1			
	CONIC TUBE D50 RUBBER	Z7 21010	1			
	CONIC TUBE D70 RUBBER	Z7 21009	1			

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First class power

Accessories		Ref. no.	Min. required	3997W AD	3997W C	3997WBI Z22 CP AD PBS RS
Hose and Connection						
	QUICK COUPLING D70 FE COMPLETE	Z7 22188	1			
	TIE D40-60	Z8 40040	1			
Vac Nozzle Wet						
	LIQUIDS SUCKER D50 MM400 FE COMPLETE	Z7 22027	1			
Filter						
	KIT STAR FILTER D780	40000617	1			
	STAR FILTER 560 M	Z8 17246	1			

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