

First class power

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 vacuumeter monitors the filter, the container is easily extractable, 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

The most powerful "mobile" Nilfisk-CFM industrial vacuum, featuring 30 HP and up to 36000 l/m airflow



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 C
Ref. no.	4031000021

PRODUCT FEATURES

Electrical filter shaker	•
Star triangle starting	•
Inversor switch	•
Relief valve	•



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Model 3997W C

Ref. no. 4031000021

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 (m ³ /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 (cm ²)	66000	110000	66000
Inlet (mm)	100	120	100
Length x width x height (mm)	2000x900x2150	2000x900x2150	2000x900x2150
Weight (kg)	650	697	650












Technical specifications 3997W C

Voltage (V)	400
Frequency (Hz)	50
Ip protection class	55
Insulation class	F
Rated power (kW)	20
Airflow without hose (m ³ /h - l/m)	2160 - 36000
Max. vacuum (kPa - mbar)	25 - 250
Sound pressure level at 1.5 m (dB(A) ISO 3744)	78
Container capacity (l)	175
Main filter area (cm ²)	98000
Inlet (mm)	120
Length x width x height (mm)	2000x900x2150
Weight (kg)	697











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● Standard equipment, ○ Supplementary accessories, □ Mountable equipment












Accessories	Ref. no.	Min. required	3997	3997 C	3997W
Hose Vacuum Cleaner					
	ANT.ANTIOIL HOSE D50 MT5	Z7 24179	1	○	
	ANT.ANTIOIL HOSE D70 5MT	Z7 24180	1	○	
	HOSE ANT. ANTIOIL MT3 D50	Z7 24003	1	○	
	SLEEVE D50 PVC	Z7 23023	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	○	
	TUBE D50 AIR MT3 + SLEEVES	Z7 22062	1	○	
	TUBE D50 ATOXIC ANTISTATIC IN METERS	Z7 24029	1	○	
	TUBE D50 FLEX MT.3+SLEEVES	Z7 22151	1	○	

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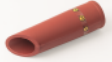









Accessories		Ref. no.	Min. required	3997	3997 C	3997W
	TUBE D50 POLYURETHAN MT3+SLEEV	Z7 22298	1	○		
	TUBE D70 AIR MT3 + SLEEVES	Z7 22063	1	○		
	TUBE D70 ATOXIC ANTISTATIC IN METERS	Z7 24030	1	○		
	TUBE D70 POLYURETHAN MT3+SLEEV	Z7 22299	1	○		
	TUBE D70 RUBBER MT.3	Z7 24001	1	○		
	TUBE D100 AIR IN METERS	Z7 24027	1	○		
	TUBE D100 FLEX. STEEL IN METERS	Z7 24034	1	○		
	TUBE POLYURETHAN D100 IN METER IN METERS	Z7 24113	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	○		
	TILTING DISCH. D560 FE COMPLETE SHEET	Z5 60274	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	○		















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Accessories		Ref. no.	Min. required	3997	3997 C	3997W
KIT LEVEL CHECK 3707 COMPLETE		Z5 60156	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	○		
	REDUCER REGULATION D100/50 COMPLETE	Z7 22165	1	○		
	REDUCER REGULATION D100/70 COMPLETE	Z7 22163	1	○		












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Accessories	Ref. no.	Min. required	3997	3997 C	3997W
Cone Nozzle					
	CONIC END D50/20 COMPLETE	Z7 22141	1	○	
	CONIC TUBE D50 RUBBER	Z7 21010	1	○	
	CONIC TUBE D70 RUBBER	Z7 21009	1	○	
Crevice Nozzle					
	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 MM1000 PVC	Z7 24012	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	○	
	FLAT LANCE FITTING D.50 FE	Z7 21075	1	○	













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Accessories		Ref. no.	Min. required	3997	3997 C	3997W
	LANCE D70 ALUMINIUM+HANDLES COMPLETE	Z7 22169	1	○		
	LANCE D100 ALUMINIUM+HANDLES COMPLETE	Z7 22190	1	○		
	SCRAPING SUCKER D50 FE	Z7 22034	1	○		
	SCRAPING SUCKER D70 MM 200	Z7 22090	1	○		
	SUCKER mm120ANTISTAT.RUBBER COMPONENT	Z7 21080	1	○		
	SUCKER RUBBER MM120 GREY	Z7 21030	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 MT2 A COMPLETE	Z7 22268	1	○		






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	Accessories	Ref. no.	Min. required	3997	3997 C	3997W
	EXTENSION X FURNACES D50 MT1 A COMPLETE	Z7 22271	1	○		
	HANDGRIP D50 ALUMINIUM COMPLETE	Z7 22025	1	○		
	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	○		
Vac Nozzle Wet						
	LIQUIDS SUCKER D50 MM400 FE COMPLETE	Z7 22027	1	○		
Vac Nozzle Dry						
	BRUSH D50 MM220 30 COMPLETE	Z7 22196	1	○		

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	Accessories	Ref. no.	Min. required	3997	3997 C	3997W
	BRUSH D50 MM220 90 COMPLETE	Z7 22038	1	○		
	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	○		

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Accessories		Ref. no.	Min. required	3997	3997 C	3997W
	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	○		
	SUCKER D50 MM400 ALUMINIUM	Z7 22032	1	○		
	SUCKER x FURNACES D50 MM400 FE COMPLETE	Z7 22273	1	○		
Round Brush Nozzle						
	BRUSH D70 MM300 90	Z7 22077	1	○		
	BRUSHES CURRYCOMB D40 COMPLETE	Z7 22143	1	○		
	PAINTBRUSH D50/100 BRISTLES COMPLETE	Z7 22047	1	○		
	PAINTBRUSH D50/100 STEEL COMPLETE	Z7 22048	1	○		
Option						
	100LT PRE-SEPARATOR FOR HOT SUBSTANCES	ZS07IC22004	1	○		
	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	○		
	SEPARATOR D460 L100 D50 FE COMPLETE	Z7 22105	1	○		
	SEPARATOR D460 L100 D50 INOX COMPLETE	Z7 22107	1	○		
	SEPARATOR D560 L175 D50 FE COMPLETE	Z7 22108	1	○		
	SEPARATOR LT175 D70/50 INOX COMP +INOX	Z7 22290	1	○		
	TILT.SEPARATOR L400 FE COMPLETE	Z7 22158	1	○		
Hose and Connection						



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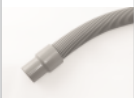








Accessories		Ref. no.	Min. required	3997	3997 C	3997W
	QUICK COUPLING D70 FE COMPLETE	Z7 22188	1	○		
	TIE D40-60	Z8 40040	1	○		
Filter						
	STAR FILTER 560 M	Z8 17246	1	○		
	STAR FILTER 560 POLYESTER	Z8 17081	1	○		

● Standard equipment, ○ Supplementary accessories, □ Mountable equipment




















Accessories		Ref. no.	Min. required	3997W C
Hose Vacuum Cleaner				
	ANT.ANTIOIL HOSE D50 MT5	Z7 24179	1	
	ANT.ANTIOIL HOSE D70 5MT	Z7 24180	1	
	HOSE ANT. ANTIOIL MT3 D50	Z7 24003	1	
	SLEEVE D50 PVC	Z7 23023	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	







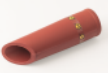
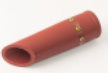





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Accessories		Ref. no.	Min. required	3997W C
	TUBE D50 AIR MT3 + SLEEVES	Z7 22062	1	
	TUBE D50 ATOXIC ANTISTATIC IN METERS	Z7 24029	1	
	TUBE D50 FLEX MT.3+SLEEVES	Z7 22151	1	
	TUBE D50 POLYURETHAN MT3+SLEEV	Z7 22298	1	
	TUBE D70 AIR MT3 + SLEEVES	Z7 22063	1	
	TUBE D70 ATOXIC ANTISTATIC IN METERS	Z7 24030	1	
	TUBE D70 POLYURETHAN MT3+SLEEV	Z7 22299	1	
	TUBE D70 RUBBER MT.3	Z7 24001	1	
	TUBE D100 AIR IN METERS	Z7 24027	1	
	TUBE D100 FLEX. STEEL IN METERS	Z7 24034	1	
	TUBE POLYURETHAN D100 IN METER IN METERS	Z7 24113	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	













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Accessories		Ref. no.	Min. required	3997W C
	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	
	TILTING DISCH. D560 FE COMPLETE SHEET	Z5 60274	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	
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	

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Accessories		Ref. no.	Min. required	3997W C
	REDUCER D100/70 ZINC PLT.	Z7 22125	1	
	REDUCER REGULATION D100/50 COMPLETE	Z7 22165	1	
	REDUCER REGULATION D100/70 COMPLETE	Z7 22163	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	
Crevice Nozzle				
	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 MM1000 PVC	Z7 24012	1	
	FLAT LANCE D70 ZINC PLT.	Z7 21028	1	

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Accessories		Ref. no.	Min. required	3997W C
	FLAT LANCE DIAL D50 FE COMP.DIAL NYLON	Z7 22089	1	
	FLAT LANCE DIAL D50 FE COMPLETE DIAL	Z7 22023	1	
	FLAT LANCE FITTING D.50 FE	Z7 21075	1	
	LANCE D70 ALUMINIUM+HANDLES COMPLETE	Z7 22169	1	
	LANCE D100 ALUMINIUM+HANDLES COMPLETE	Z7 22190	1	
	SCRAPING SUCKER D50 FE	Z7 22034	1	
	SCRAPING SUCKER D70 MM 200	Z7 22090	1	
	SUCKER mm120ANTISTAT.RUBBER COMPONENT	Z7 21080	1	
	SUCKER RUBBER MM120 GREY	Z7 21030	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	













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	Accessories	Ref. no.	Min. required	3997W C
	EXTENSION D50 MT.2 ALUMINIUM COMPLETE	Z7 22004	1	
	EXTENSION D50 MT.3 ALUMINIUM COMPLETE	Z7 22003	1	
	EXTENSION x FURNACES D50 MT2 A COMPLETE	Z7 22268	1	
	EXTENSION X FURNACES D50 MT1 A COMPLETE	Z7 22271	1	
	HANDGRIP D50 ALUMINIUM COMPLETE	Z7 22025	1	
	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	
Vac Nozzle Wet				











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Accessories		Ref. no.	Min. required	3997W C
	LIQUIDS SUCKER D50 MM400 FE COMPLETE	Z7 22027	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	
	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	

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Accessories		Ref. no.	Min. required	3997W C
	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	
	SUCKER D50 MM400 ALUMINIUM	Z7 22032	1	
	SUCKER x FURNACES D50 MM400 FE COMPLETE	Z7 22273	1	
Round Brush Nozzle				
	BRUSH D70 MM300 90	Z7 22077	1	
	BRUSHES CURRYCOMB D40 COMPLETE	Z7 22143	1	
	PAINTBRUSH D50/100 BRISTLES COMPLETE	Z7 22047	1	
	PAINTBRUSH D50/100 STEEL COMPLETE	Z7 22048	1	
Option				
	100LT PRE-SEPARATOR FOR HOT SUBSTANCES	ZS07IC22004	1	
	ACCESSORY FOR DRUMS ZINC.PLT.	Z7 22180	1	
	CAP FOR DRUMS D560 FE COMPLETE	Z7 22159	1	

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Accessories		Ref. no.	Min. required	3997W C
	CAP W.SMALL CYCLONE 560 FE COMPLETE	Z7 22181	1	
	SEPARATOR D460 L100 D50 FE COMPLETE	Z7 22105	1	
	SEPARATOR D460 L100 D50 INOX COMPLETE	Z7 22107	1	
	SEPARATOR D560 L175 D50 FE COMPLETE	Z7 22108	1	
	SEPARATOR LT175 D70/50 INOX COMP +INOX	Z7 22290	1	
	TILT.SEPARATOR L400 FE COMPLETE	Z7 22158	1	
Hose and Connection				
	QUICK COUPLING D70 FE COMPLETE	Z7 22188	1	
	TIE D40-60	Z8 40040	1	
Filter				
	STAR FILTER 560 M	Z8 17246	1	
	STAR FILTER 560 POLYESTER	Z8 17081	1	