







## SPECTROGREEN · FMD46 (2020)

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### Measuring chamber

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Photo Foto	Description Bezeichnung
	FORK CLAMP WITH SET SCREW/ KS19/ STAINLESS STEEL KLEMME GABEL MIT FESTSTELLSCHRAUBE/ KS19/ EDELSTAHL <b>44503013</b>
	LOAD COIL SILVER/ MADE OF CAST/ SPARE PART/ GREEN FMX46 ARBEITSSPULE SILBER/ AUS GUSS/ ERSATZTEIL/ GREEN FMX46 <b>46905008E</b>
	GASKET ADAPTER TUBE TORCH/ VITON DICHTUNG ADAPTERROHR TORCH/ VITON <b>47510268E</b>
	SEAL ADAPTER TUBE TORCH DICHTUNG ADAPTERROHR TORCH <b>47510263</b>
	WINDOW 110X90MM/ UV-PROTECTING GLASS/ PROTECTION LEVEL 5/ WITH SHATTER PROTECTION FOIL FENSTER 110X90MM/ UV-SCHUTZGLAS/ SCHUTZSTUFE 5/ MIT SPLITTERSCHUTZFOLIE <b>64063005</b>
	ADJUSTING TOOL COIL GENERATOR GENESIS SPULENAUSRICHTLEHRE GENERATOR <b>75260116</b>

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## SPECTROGREEN · FMD46 (2020)

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BRACKET TORCH ROUND/ COMPLETE/ WITH BAJONETT  
HALTER TORCH RUND/ KOMPLETT/ MIT BAJONETT

**75460590E**

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PARTS KIT LOAD COIL COAXIAL  
TEILESATZ ARBEITSSPULE KOAX

**75460557**

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### Sample introduction systems

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Photo  
Foto

Description  
Bezeichnung



SAMPLE INTRODUCTION SYSTEM CONCENTRIC - SOP/ SEASPRAY/ CYCLONIC/  
FIXED TORCH/ 1.8MM

PROBENEINTRAGSSYSTEM KONZENTRISCH - SOP/ SEASPRAY/ ZYKLONISCH/  
FESTE TORCH/ 1,8MM

**75460599**

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SAMPLE INTRODUCTION SYSTEM OILS WITH UNDISSOLVED SOLIDS - SOP/  
NOORDERMEER/ CYCLONIC/ FIXED TORCH/ 1.8MM

PROBENEINTRAGSSYSTEM PARTIKEL IN ÖL - SOP/ NOORDERMEER/ ZYKLONISCH/  
FESTE TORCH/ 1,8MM

**75560501**

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SAMPLE INTRODUCTION SYSTEM HIGH SALTS <4% - SOP/ CROSSFLOW/ SCOTT/  
FIXED TORCH/ 3.0MM/ ADDITIONAL GAS

PROBENEINTRAGSSYSTEM HOHE SALZE <4% - SOP/ CROSSFLOW/ SCOTT/ FESTE  
TORCH/ 3,0MM/ ZUSATZGAS

**75460598**

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## SPECTROGREEN · FMD46 (2020)

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SAMPLE INTRODUCTION SYSTEM SLURRIES - SOP/ BURGNER/ CYCLONIC/ FIXED TORCH/ 1.8MM

PROBENEINTRAGSSYSTEM SCHLÄMME - SOP/ BURGNER/ ZYKLONISCH/ FESTE TORCH/ 1,8MM

**75460597**

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SAMPLE INTRODUCTION SYSTEM GASOLINE - SOP/ MICROMIST/ CYCLONIC/ FIXED TORCH/ 1.2MM

PROBENEINTRAGSSYSTEM BENZIN - SOP/ MICROMIST/ ZYKLONISCH/ FESTE TORCH/ 1,2MM

**75560500**

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SAMPLE INTRODUCTION SYSTEM STANDARD OIL - SOP/ CROSSFLOW/ SCOTT/ FIXED TORCH/ 1.8MM

PROBENEINTRAGSSYSTEM STANDARD ÖL - SOP/ CROSSFLOW/ SCOTT/ FESTE TORCH/ 1,8MM

**75460595**

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SAMPLE INTRODUCTION SYSTEM VOLATILE ORGANICS - SOP/ ISOMIST/ TWISTER/ JACKETED CYCLONIC/ FIXED TORCH/ 1.2MM/ FHS22+FMS46

PROBENEINTRAGSSYSTEM FLÜCHTIGE ORGANIK - SOP/ ISOMIST/ TWISTER/ UMMANTELT ZYKLONISCH/ FESTE TORCH/ 1,2MM/ FHS22/FMS46

**75560556**

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SAMPLE INTRODUCTION SYSTEM HF RESISTANT - SOP/ MIRAMIST/ CYCLONIC HF RESISTANT/ DEMOUNTABLE TORCH/ 1.8MM AL2O3

PROBENEINTRAGSSYSTEM HF-FEST - SOP/ MIRAMIST/ ZYKLONISCH HF-FEST/ ZERLEGBARE TORCH/ 1,8MM AL2O3

**75360533**

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SAMPLE INTRODUCTION SYSTEM HIGH SALTS >4% - SOP/ CROSSFLOW/ SCOTT/ FIXED TORCH/ 3.0MM/ ADDITIONAL GAS/ AR HUMIDIFIER

PROBENEINTRAGSSYSTEM HOHE SALZE >4% - SOP/ CROSSFLOW/ SCOTT/ FESTE TORCH/ 3,0MM/ ZUSATZGAS/ AR-BEFEUCHTER

**75460594**

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## SPECTROGREEN · FMD46 (2020)




SAMPLE INTRODUCTION SYSTEM STANDARD - SOP/ CROSSFLOW/ SCOTT/ FIXED TORCH/ 1.8MM

PROBENEINTRAGSSYSTEM STANDARD - SOP/ CROSSFLOW/ SCOTT/ FESTE TORCH/ 1,8MM

**75460593**

### Glass ware, torches, nebulizer

Photo Foto	Description Bezeichnung
kein Foto no photo	D-TORCH ADAPTOR B19/ SOP/ DSOI/ SPECTROGREEN D-TORCH ADAPTER B19/ SOP/ DSOI/ SPECTROGREEN <b>47250854</b>
kein Foto no photo	D-TORCH ADAPTOR B13/ SOP/ DSOI/ SPECTROGREEN D-TORCH ADAPTER B13/ SOP/ DSOI/ SPECTROGREEN <b>47250855</b>
kein Foto no photo	D-TORCH RETAINER/ SOP/ DSOI/ SPECTROGREEN D-TORCH RETAINER/ SOP/ DSOI/ SPECTROGREEN <b>47250853</b>
kein Foto no photo	SPRAY CHAMBER CYCLONIC/ JACKETED/ KS19 ZESTÄUBERKAMMER ZYKLONISCH/ UMMANTELT/ KS19 <b>48105094</b>
	ADAPTER NEBULIZER CHAMBER STRAIGHT ADAPTER ZERSTÄUBERKAMMER GERADE <b>48205047</b>

## SPECTROGREEN · FMD46 (2020)

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QUARTZ INJECTOR ID=1.8MM/ SOP/ DSOI  
INJEKTORROHR ID=1,8MM/ QUARZGLAS/ SOP/ DSOI  
**48207019**

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GLASS TUBE TORCH L=107MM/ SOP  
GLASKÖRPER TORCH L=107MM/ SOP  
**48205045**

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INJECTION TUBE ID=2.5MM/ L=108MM/ AL2O3  
INJEKTORROHR ID=2,5MM/ L=108MM/ AL2O3  
**48807027**

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INJECTION TUBE ID=1.8MM/ L=108MM/ QUARTZ GLASS  
INJEKTORROHR ID=1,8MM/ L=108MM/ QUARZGLAS  
**48807023**

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D-TORCH CERAMIC OUTER TUBE/ SOP/DSOI  
D-TORCH KERAMIK OUTER TUBE/ SOP/DSOI  
**48807043**

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INJECTION TUBE ID=2.0MM/ L=108MM/ QUARTZ GLASS  
INJEKTORROHR ID=2,0MM/ L=108MM/ QUARZGLAS  
**48807024**

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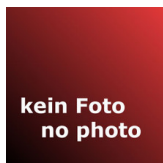


TORCH FIXED 190MM/ ID1.8MM/ GLASS PART/ SOP  
TORCH FEST 190MM/ ID1,8MM/ GLASTEIL/ SOP  
**48205068**

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## SPECTROGREEN · FMD46 (2020)

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D-TORCH OUTER TUBE/ SOP/ DSOI/ SPECTROGREEN

D-TORCH OUTER TUBE/ SOP/ DSOI/ SPECTROGREEN

**48207018**

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SPRAY CHAMBER SCOTT/ OD36/ QUARTZ/ HEAVY DUTY

ZERSTÄUBERKAMMER SCOTT/ AD36/ QUARZ/ HOHE BEANSPRUCHUNG

**48105088**

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INJECTION TUBE ID=1.2MM/ L=108MM/ QUARTZ GLASS

INJEKTORROHR ID=1,2MM/ L=108MM/ QUARZGLAS

**48807022**

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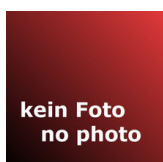


TORCH FIXED 175MM/ ID3.0MM/ ADDITIONAL GAS/ GLASS PART/ SOP

TORCH FEST 175MM/ ID3,0MM/ ZUSATZGAS/ GLASTEIL/ SOP

**48205070**

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D-TORCH BASE/ INNER TUBE/ SOP/ DSOI

D-TORCH BASE/ INNER TUBE/ SOP/ DSOI

**48807042**

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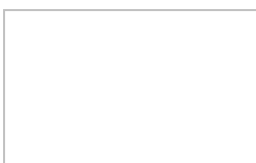


TORCH FIXED 190MM/ ID1.2MM/ GLASS PART/ SOP

TORCH FEST 190MM/ ID1,2MM/ GLASTEIL/ SOP

**48205069**

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CERAMIC TUBE SOP

KERAMIKKÖRPER TORCH SOP

**75160607**

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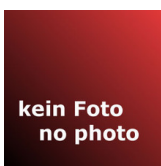
## SPECTROGREEN · FMD46 (2020)

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PLASTIC PARTS KIT TORCH ASSEMBLED  
KST-TEILESATZ TORCH TWIN INTERFACE MONTIERT  
**75360573**

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D-TORCH QUARTZ SOP/DSOI/ SPECTROGREEN  
D-TORCH QUARTZ SOP/DSOI / SPECTROGREEN  
**75560564**

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MOUNTING BRACKET SPRAY CHAMBER  
HALTEWINKEL ZERSTÄUBERKAMMER  
**75560502**

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ADAPTER GLASS PART FIXED TORCH  
ADAPTER GLASTEIL FESTE TORCH  
**75460592**

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SPHERICAL GROUND GLASS JOINT SLEEVE/ KS19/ PTFE  
KUGELSCHLIFF-MANSCHETTEN/ KS19/ PTFE  
**47310009**

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INJECTION TUBE ID=1.8MM/ L=108MM/ AL2O3  
INJEKTORROHR ID=1,8MM/ L=108MM/ AL2O3  
**48807026**

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### Optics, light path

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Photo Foto	Description Bezeichnung
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## SPECTROGREEN · FMD46 (2020)

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MUFFLER/ FLAT/ M5/ SINTERED BRONZE  
SCHALLDÄMPFER/ FLACH/ M5/ SINTERBRONZE  
**44302513**

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WASHER PTFE/ OD=22.4MM/ ID=19.5MM/ T=0.2MM/ [10 PCS.]  
SCHEIBE PTFE/ AD=22,4MM/ ID=19,5MM/ T=0,2MM/ [10 STK.]  
**47311011**

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GLASS TUBE LIGHTCHANNEL ID11/8/ OD16/ L63  
GLASROHR LICHTKANAL ID11/8/ AD16/ L63  
**48105077**

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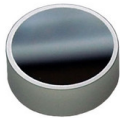
LENSE PLANKONVEX D22.4/ R50.5  
LINSE PLANKONVEX D22,4/ R50,5  
**48301033**

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WINDOW MGF2 VUV/ D=22.3MM/ T=2.0MM  
FENSTER MGF2 VUV/ D=22,3MM/ T=2,0MM  
**48303012**

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MIRROR CONCAVE R = -300/ ARCOS+BLUE  
SPIEGEL KONKAV R = -300/ ARCOS+BLUE  
**48309018**

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PARTS SET BOOSTER  
TEILESATZ BOOSTER  
**71000828**

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## SPECTROGREEN · FMD46 (2020)

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LIGHT TUBE SOP VERS.2/ CORROSION RESISTANT/ FHS+FMS  
LICHTROHR SOP VERS.2/ KORROSIONSBESTÄNDIG/ FHS+FMS

**75080570**

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MIRROR REFLECTOR (BOOSTER) COUPLING/ / FMX46/ FED37  
SPIEGEL REFLEKTOR (BOOSTER) EINKOPPLUNG / FMX46/ FED37

**75080578**

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FLAP ACTUATOR FMX  
KLAPPEN VERSTELLUNG FMX

**75180131**

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PRISMA ACTUATOR INCL. PRISMA FMX  
PRISMA-VERSTELLUNG INKL. PRISMA FMX

**75180130**

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SPARE PARTS KIT SHUTTER/ ARCOS 2 + ARCOS 3 + GREEN  
ERSATZTEILPAKET SHUTTER/ ARCOS 2 + ARCOS 3 + GREEN

**75270586**

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### Gas system, tubings, fittings

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Photo  
Foto

Description  
Bezeichnung

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INSERTION SLEEVE FOR SYNT. HOSE D=2/4 [10 PCS.]  
HÜLSE EINSTECK D=2/4/ FÜR KUNSTSTOFFSCHLAUCH/ [10 STK.]

**44302258**

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## SPECTROGREEN · FMD46 (2020)

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BACK PRESURRE VALVE/ PUSH IN/ 6MM TUBE/ DEGREASED  
VERSCHRAUBUNG RÜCKSCHLAGVENTIL/ PUSH IN/ SCHLAUCH 6MM/ FETTFREI

**44302516**

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RING GASKET FOR PIPE OR TUBE/ OD=6MM/ [10 PCS.]  
DICHRING FÜR SCHLAUCH ODER ROHR/ AD=6MM/ [10 STK.]

**44302014**

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NUT UNION/ 6MM/ BRASS BRIGHT/ [10 PCS.]  
MUTTER ÜBERWURF/ 6MM/ MESSING BLANK/ [10 STK.]

**44302049**

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REDUCING SET 6MM/4MM/ FOR PTFE HOSE  
REDUZIERSATZ 6MM/4MM/ FÜR PTFE-SCHLAUCH

**44302096**

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LOCKING RING FRONT/ 6MM/ BRASS BRIGHT/ [10 PCS.]  
KLEMMRING VORN/ 6MM/ MESSING BLANK/ [10 STK.]

**44302050**

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PLUGIN SLEEVE/ FOR PLASTIC HOSE/ D=6MM/8MM/ [10 PCS.]  
HÜLSE EINSTECK/ FÜR KUNSTSTOFFSCHLAUCH/ D=6MM/8MM/ [10 STK.]

**44302021**

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QUICK-SNAP COUPLING, D6, CONNECTION 6MM  
SCHNELLKUPPLUNG KÖRPER D6

**44303010**

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## SPECTROGREEN · FMD46 (2020)

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UNION JOINT HOSE 1/8" -6MM  
VERSCHRAUBUNG REDUZIER SCHLAUCH 1/8"-6MM  
**44302259**

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RESTRICTION VALVE WITH SILENCER M5  
SCHALLDÄMPFER MIT DROSSEL M5  
**44702071**

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THREADED JOINT SCREW-IN STRAIGHT M5/ 4MM/ PUSH-IN  
VERSCHRAUBUNG EINSCHRAUB GERADE M5/ 4MM/ PUSH-IN  
**44302474**

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BULKHEAD FITTING FOR HOSE 4X6MM/ V2A  
VERSCHRAUBUNG SCHOTT FÜR SCHLAUCH 4X6/ V2A  
**44302517**

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FAST COUPLING BODY/ SCHOTT/ CONNECTION 6MM  
SCHNELLKUPPLUNG KÖRPER/ SCHOTT/ ANSCHLUSS 6MM  
**44303018**

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QUICK-SNAP COUPLING PLUG/ CONNECTION 1/8"  
SCHNELLKUPPLUNG STECKER/ ANSCHLUSS 1/8"  
**44303015**

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FITTING Y/ 8MM TUBE CONNECTORS/ BRASS  
VERSCHRAUBUNG Y/ 8MM SCHLAUCHANSCHLUSS/ MESSING  
**44302518**

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## SPECTROGREEN · FMD46 (2020)

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FITTING REDUCER SET 6/8MM  
REDUZIERSATZ VERSCHRAUBUNG 6/8MM  
**44303026**

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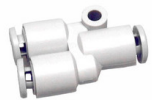
DUMMY PLUG D=6MM  
BLINDSTOPFEN D=6MM  
**44702330**

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CONNECTION STRAIGHT/ KQH04-06/ BLACK  
VERSCHRAUBUNG GERADE/ KQH04-06/ SCHWARZ  
**44702317**

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PLUG-IN Y/ AD4  
Y STECKABZWEIG/ AD4  
**44702072**

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CONNECTOR HOSE Y/ AD6MM/ PUSH IN/ PLASTIC  
VERBINDER SCHLAUCH Y/ AD6MM/ PUSH IN/ KUNSTSTOFF  
**44702068**

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BULKHEAD ELBOW/ PUSH IN/ FOR 6MM TUBES  
WINKELSCHOTTVERSCHRAUBUNG/ PUSH IN/ FÜR 6MM SCHLAUCH  
**44702335**

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TUBE TYGON(PVC)/ AD2.79/ ID0.89/ [10 M.]  
SCHLAUCH TYGON(PVC)/ AD2,79/ ID=0,89/ [10 M.]  
**47201022**

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## SPECTROGREEN · FMD46 (2020)

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TUBE PTFE/ OD=6MM/ ID=4MM/ WHITE / [5 M.]  
SCHLAUCH PTFE/ AD=6MM/ ID=4MM/ WEISS / [5 M.]

**47301021**

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TUBE VITON/ OD=3.53MM/ ID=1.85MM/ [3 M.]  
SCHLAUCH VITON/ AD=3,53MM/ ID=1,85MM/ [3 M.]

**47501011**

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SOLENOID VALVE 5/2/ 24VDC/ INCL.THREADED JOINT  
MAGNETVENTIL 5/2 WEGE/ 24VDC/ INKL. VERSCHRAUBUNG

**57005218E**

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BRACKET F2 FOR SX3000  
BEFESTIGUNGSELEMENT F2

**64064044**

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AIR FILTER/ FOR TUBE OD6/ WITH HOLDER  
LEITUNGSFILTER LUFT/ FÜR D6/ MIT HALTER

**64000339**

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PRESSURE REGULATOR/ 0.05-0.35MPA/ WITH DISPLAY/ CONNECTIONS FOR 6MM  
PUSH IN/ MAX.INLET PRESSURE 1MPA

DRUCKREGLER 0,05-0,35MPA/ MIT ANZEIGE/ ANSCHLUSS 6MM PUSH IN/  
MAX.EINGANGSDRUCK 1MPA

**73003326**

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## SPECTROGREEN · FMD46 (2020)

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SET SOLENOID VALVE 5/2/ 24VDC/ INCL. RESTRICTION VALVE WITH SILENCER  
M5

SET MAGNETVENTIL 5/2 WEGE/ 24VDC/ INKL. SCHALLDÄMPFER MIT DROSSEL M5

**71000843**

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CYLINDER/ D=10/ HUB=15

ZYLINDER/ D=10/ HUB=15

**73008060**

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TUBE PTFE/ 8X1.5MM/ L=5M/ ONE-SIDED SCREW CONNECTION

SCHLAUCH PTFE/ 8X1,5MM/ L=5M/ EINSEITIGE VERSCHRAUBUNG

**75060956**

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FITTING WITH 0.6MM NOZZLE

VERSCHRAUBUNG MIT 0,6MM DÜSE

**75080580**

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OPTIK FLUSH KIT ARCOS/BLUE/GREEN

OPTIK FLUSH KIT ARCOS/BLUE/GREEN

**75080516**

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FITTING WITH 0.2MM NOZZLE

VERSCHRAUBUNG MIT 0,2MM DÜSE

**75080579**

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## SPECTROGREEN · FMD46 (2020)

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ARGON CONTROL UNIT/ 4-CHANNELS/ 8 BAR/ WITH ADD. GAS/ NEB: 0.1-1.5NL/MIN.

REGELEINHEIT GAS DMB/ 4-KANAL/ 8 BAR/ MIT ZUSATZGAS/ NEB: 0,1-1,5NL/MIN.

**75460549**

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ARGON CONTROL UNIT/ 4-CHANNELS/ 8 BAR/ NEB: 0,1-1,5NL/MIN.

REGELEINHEIT GAS DMB/ 4-KANAL/ 8 BAR/ NEB: 0,1-1,5NL/MIN.

**75460548**

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PUMP DIAPHRAGM 24VDC/ 0,65A/ PMAX 2,4 BAR/ TYPE PM23089-86

PUMPE MEMBRAN 24VDC/ 0,65A/ PMAX 2,4 BAR/ TYP PM23089-86

**77060506**

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PLUGIN SLEEVE/ FOR PLASTIC HOSE/ D=4MM/6MM/ [10 PCS.]

HÜLSE EINSTECK/ FÜR KUNSTSTOFFSCHLAUCH/ D=4MM/6MM/ [10 STK.]

**44302020**

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TUBE/ PTFE/ OD3/ ID2/ NATURAL/ [12 M.]

SCHLAUCH/ PTFE/ AD3/ ID2/ NATUR/ [12 M.]

**47301023**

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TUBE PTFE/ OD1.2/ ID0.6/ NATURAL/ [10M]

SCHLAUCH PTFE/ AD1,2/ ID0,6/ NATUR/ [10 M.]

**47301022**

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## SPECTROGREEN · FMD46 (2020)



LOCKING RING BACK/ 6MM/ BRASS BRIGHT/ [10 PCS.]  
KLEMMRING HINTEN/ 6MM/ MESSING BLANK/ [10 STK.]

**44302051**



NUT UNION/ D=6MM/ [10 PCS.]  
MUTTER ÜBERWURF/ D=6MM/ [10 STK.]

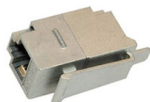
**44302023**

### Electr. Components

Photo Foto	Description Bezeichnung
	RETAINER FOR RELAY SOCKET RT78625/ PLASTIC/ BLACK/ 15.7MM+25.5MM HALTEBÜGEL FÜR RELAISFASSUNG RT78625/ KUNSTSTOFF/ SCHWARZ/ 15,7MM+25,5MM
	SOCKET PLUG IN 230V/ 12A/ 2-POLE/ FOR PRINT RELAY/ FOR DIN-RAIL WITH SCREW CONNECTION FASSUNG STECK 230V/ 12A/ 2POL/ FÜR PRINT RELAIS/ FÜR DIN-SCHIENE MIT SCHRAUBANSCHLUSS
	DIODE RECOVERY PLUGGABLE DIODE FREILAUF IM GEHÄUSE
	RELAIS SOLID STATE 275VAC/ 3A/ ZERO-CROSSING/ 24VDC RELAIS SOLID STATE 275VAC/ 3A/ NULLDURCHGANG/ 24VDC



## SPECTROGREEN · FMD46 (2020)



ADAPTER FOR FRONT PANEL/ SNAP-IN/ SOCKET-SOCKET 1:1/ SHIELDED/ 8-POLE  
 EINBAUADAPTER FÜR FRONTPLATTEN/ SNAP-IN/ BUCHSE-BUCHSE 1:1/  
 GESCHIRMT/ 8-POLIG

**66020204**



FUSE AUTOMATIC 25A/ CHARACTERISTICS B/ 1-POLE/ 230-400VAC  
 SICHERUNG AUTOMAT 25A/ CHARAKTERISTIK B/ 1-POLIG/ 230-400VAC

**68005371**



BLADE FUSE AUTOMOTIVE 3A/ 32VDC/ 5X20MM/ [10 PCS.]  
 SICHERUNG FLACH KFZ 3A/ 32VDC/ 5X20MM/ [10 STK.]



**68005080**



FUSE AUTOMATIC 6A/ CHARACRERISTICS B/ 1-POLE/ 230-400VAC  
 SICHERUNG AUTOMAT 6A/ CHARAKTERISTIK B/ 1-POLIG/ 230-400VAC

**68005370**

### Electr. assemblies, boards

Photo Foto	Description Bezeichnung
	FILTER LINE/ 250V/ 1X25A FILTER NETZ/ 250V/ 1X25A <b>57004036</b>
	HIGH VOLTAGE IGNITION HOCHSPANNUNGSZÜNDUNG <b>75050509</b>

## SPECTROGREEN · FMD46 (2020)

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HEATER ASSEMBLY/ 230VAC/ 200W/ 24VDC/ INCL.FAN  
HEIZUNG/ 230VAC/ 200W/ 24VDC/ INKL.LÜFTER

**75040041**

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GENERATOR 2500WHF/ 230V/ SOLID STATE/ EMV  
GENERATOR 2500WHF/ 230V/ SOLID STATE/ EMV

**76023134E**

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LOWPASS FILTER MINI BOX SSG/ TYP LONESTAR  
TIEFPASS FILTER MINI BOX SSG/ TYP LONESTAR

**76023131E**

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X-CHANGE GENERATOR HF/ 2,5KW/ 230V/ SOLID STATE/ EMV  
AUSTAUSCH GENERATOR HF/ 2,5KW/ 230V/ SOLID STATE/ EMV

**76023134X**

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POWER SUPPLY/ SP-320-24/ 88-264VAC/ 24VDC/ 13A  
NETZTEIL/ SP-320-24/ 88-264VAC/ 24VDC/ 13A

**77020081**

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MEASURE/CONTROL BOARD WITH DMB/ WITH SYSTEMSOFTWARE ARC/SPARK  
MESS-/REGELKARTE MIT DMB/ INCL. SYSTEMSOFTWARE ARC/SPARK

**EK0014B2**

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OES FRONTEND ILX511/ 1MB/ V/IN=6V/ 300MA/ 1024KB FLASH ROM/ 192KB RAM  
OES FRONTEND ILX511/ 1MB/ V/IN=6V/ 300MA/ 1024KB FLASH-ROM/ 192KB RAM

**EK1407-2**

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## SPECTROGREEN · FMD46 (2020)

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ADAPTER DMB RJ45

ADAPTER DMB RJ45

**EK1411--**

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HOST CONTROLLER

HOST CONTROLLER

**EK1502-1S**

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### Switches, cables, lamps

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Photo  
Foto

Description  
Bezeichnung



MAGNET RING/ D10X5/ FOR REED CONTACT

MAGNET RING/ D10X5/ FÜR REEDKONTAKT

**64014017**

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SWITCHING ELEMENT KEY BUTTON/ BR04/ 2 BREAK CONTACTS

SCHALTELEMENT TASTER/ BR04/ 2 ÖFFNER

**65011019**

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FERRITE BUSH OD13/ 25X25X28/ WITH SWING OPEN SYNTHETIC COVER

FERRITHÜLSE ID=13/ 25X25X28/ MIT KUNSTSTOFFGEHÄUSE ZUM AUFKLAPPEN

**64000050**

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FLOAT SWITCH LS3 TYPE4 M12\*1,75

SCHALTER SCHWIMMER LS3 TYP4 M12\*1,75 MIT MUTTER M12\*1,75

**65029005**

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## SPECTROGREEN · FMD46 (2020)

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SWITCH DISCONNECTOR/ 3 POLE/ 32A/ GREY-BLACK  
SCHALTER LASTTRENNER/ 3-POLIG/ 32A/ GRAU-SCHWARZ

**65011371**

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PLUG COAX N/ ELBOW/ MALE-FEMALE  
STECKER KOAX N/ WINKEL/ BUCHSE-STECKER

**66030042**

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SWITCH TEMPERATURE BIMETAL/ NC-CONTACT/ 35/50°C +- 3-4°C/ CONNECTION  
FLAT PLUG 6.35MM/ 250VAC/10A/ 30VDC/5A

SCHALTER TEMPERATUR BIMETALL/ NC-KONTAKT/ 35/50°C +- 3-4°C/ ANSCHLUSS  
FLACHSTECKER 6,35MM/ 250VAC/10A/ 30VDC/5A

**65031005**

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PUSH SWITCH/ SUNK-IN MOUNTING/ BR04/ BLUE/ NOT ILLUMINATED  
TASTER DRUCK/ VERSENKTER EINBAU/ BR04/ BLAU/ NICHT BELEUCHTET

**65011074**

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CABLE EARTH/ RING M5/ PLUG/ SPRING CONTACT/ L=170MM  
KABEL ERDUNG/ RING M5/ ARRETIERBAR/ FEDERKONTAKT/ L=170MM

**75020564**

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CABLE COAX 1/2" / N CONNECTOR / 3M  
KABEL KOAX 1/2" / N STECKER / 4,10M

**75020569**

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## SPECTROGREEN · FMD46 (2020)

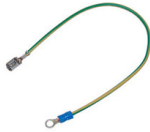
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REED SENSOR/ MS-332-3/ WITH PLUG  
REED-SENSOR/ MS-332-3/ MIT STECKER

**75030529**

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CABLE EARTH/ RING M5/ PLUG/ SPRING CONTACT/ L=250MM  
KABEL ERDUNG/ RING M5/ ARRETIERBAR/ FEDERKONTAKT/ L=250MM

**75020566**

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SWITCH TORCH CHAMBER WITH CABLE FHX22  
SCHALTER TORCHRAUM MIT KABEL FHX22

**75030530**

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CABLE USB/ PLUG A - PLUG MICRO B/ 5 PIN/ 0.6M/ GOLD PLATED  
KABEL USB/ STECKER A - STECKER MICRO B/ 5-POL./ 0,6M/ VERGOLDET

**75120114**

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CABLE PATCH/ RJ45-RJ45/ CAT5/ L=2.0M/ GREY  
KABEL PATCH/ RJ45-RJ45/ KAT.5/ L=2,0M/ GRAU

**75120077**

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PATCH CABEL/ RJ45-RJ45/ CAT.5E/ L=2.0M/ GREEN/ F/UTP OR SF/UTP  
PATCHKABEL/ RJ45-RJ45/ CAT.5E/ L=2,0M GRÜN/ F/UTP ODER SF/UTP

**75120094**

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PATCH CABLE/ RJ45-RJ45/ CAT.5E/ L=1.5M/ GREEN/ F/UTP OR SF/UTP  
PATCHKABEL/ RJ45-RJ45/ CAT.5E/ L=1,5M/ GRÜN/ F/UTP

**75120093**



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# SPECTROGREEN · FMD46 (2020)

## Fans, filter mats

Photo Foto	Description Bezeichnung
	FILTER MAT EU4/G4/ 690X515X20MM/ FMX46 FILTERMATTE EU4/G4/ 690X515X20/ FMX46 <b>47840047</b>
	FAN RADIAL/ 24VDC/ 40W/ 255M3/H/ WITH HOUSING LÜFTER RADIAL/ 24VDC/ 40W/ 255M3/H/ MIT GEHÄUSE <b>57007348</b>
	FAN RADIAL 24VDC/ 76X76X27MM/ 22M3/H/ 2.9W/ INCL. PLUG LÜFTER RADIAL 24VDC/ 76X76X27/ 22M3/H/ 2,9W/ INCL. STECKER <b>75050036</b>

## O-rings

Photo Foto	Description Bezeichnung
	O-RING 4X1/ VITON/ GREEN/ [10 PCS.] O-RINGE 4X1/ VITON/ GRÜN/ [10 STK.] <b>47510076E</b>
	O-RING 58X4/ VITON/ 75 SHORE/ [5 PCS.] O-RING 58X4/ VITON/ 75 SHORE/ [5 STK.] <b>47510303E</b>

## SPECTROGREEN · FMD46 (2020)

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O-RING 5.5X1.5/ BUNAN/ BLACK  
O-RING 5,5X1,5/ BUNAN/ SCHWARZ  
**47510123**

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O-RING 16X2.5/ VITON/ [10 PCS.]  
O-RING 16X2,5/ VITON/ [10 STK.]  
**47510240E**

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O-RING 26X4/ VITON/ 75 SHORE/ [5 PCS.]  
O-RING 26X4/ VITON/ 75 SHORE/ [5 STK.]  
**47510733E**

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O-RING/ 19X3.5/ VITON/ 75 SHORE [10 PCS.]  
O-RING/ 19X3,5/ VITON/ 75 SHORE/ [10 STK.]  
**47510249E**

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O-RING 25X2/ VITON/ [10 PCS.]  
O-RING 25X2/ VITON/ [10 STK.]  
**47510137E**

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O-RING 6.00X2.00/ NBR70/ X-COAT S  
O-RING 6,00X2,00/ NBR70/ X-COAT S  
**47510777**

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O-RING 20X1/ VITON/ 75 SHORE/ [5 PCS.]  
O-RING 20X1/ VITON/ 75 SHORE/ [5 STK.]  
**47510275E**

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## SPECTROGREEN · FMD46 (2020)

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O-RING 31X2/ VITON/ 75 SHORE/ [5 PCS.]

O-RING 31X2/ VITON/ 75 SHORE/ [5 STK.]

**47510302E**

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O-RING 24X2.5/ NBR70/ X-COAT/ BLACK

O-RING 24X2,5/ NBR70/ X-COAT S/ SCHWARZ

**47510788E**

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O-RING 12X3.5/ FKM/ 75 SHORE/ [10 PCS.]

O-RING 12X3,5/ FKM/ 75 SHORE/ [10 STK.]

**47510262E**

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O-RING 34X4/ VITON/ [5 PCS.]

O-RING 34X4/ VITON/ [5 STK.]

**47510385E**

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SPARE PART KIT O-RINGS FHX22

ERSATZTEILPAKET O-RINGE FHX22

**75270528**

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O-RING 13X2/ VITON/ [5 PCS.]

O-RING 13X2/ VITON/ [5 STK.]

**47510111**

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O-RING 6X1.5/ VITON/ [10 PCS.]

O-RING 6X1,5/ VITON/ [10 STK.]

**47510050E**

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# SPECTROGREEN · FMD46 (2020)

## Peristaltic pumps / tubings

Photo Foto	Description Bezeichnung
	<p>CYLINDER WHEEL HEAD/ FOR 3-CHANNEL PERIST. PUMP TYPE: MP12-SM/3 DMB/ FOR 71000249 (77040508,77040509)</p> <p>ROLLENKNOPF/ FÜR 3-KANAL PERIST. PUMPE TYP: MP12-SM/3 DMB/ FÜR 71000249(77040508,77040509)</p> <p><b>46103611</b></p>
	<p>TUBE TYGON (PVC)/ ID=0.89/ L=406MM/ 2 COLOR CODE STOPPER PUMP TUBE ORANGE/ORANGE/ [12 PCS.]</p> <p>SCHLAUCH TYGON (PVC)/ ID=0,89/ L=406MM/ 2FACH FARBCODE STOPPER PUMPENSCHLAUCH ORANGE/ORANGE/ [12 STK.]</p> <p><b>47101003</b></p>
	<p>HOSE TYGON/ OD=2.74/ ID=1.02/ 2 STOPPER WHITE-WHITE/ LENGTH=400MM/ [12 PCS.]</p> <p>SCHLAUCH TYGON/ AD=2,74/ ID=1,02/ 2 STOPPER WEISS-WEISS/ LÄNGE=400MM/ [12 STK.]</p> <p><b>47201051</b></p>
	<p>TUBE TYGON (PVC)/ ID=1.75/ L=406MM/ 2 COLOR CODE STOPPER PUMP TUBE BLUE-GREEN/ [12 PCS.]</p> <p>SCHLAUCH TYGON (PVC)/ ID=1,75/ L=406MM/ 2FACH FARBCODE STOPPER PUMPENSCHLAUCH BLAU-GRÜN/ [12 STK.]</p> <p><b>47101005</b></p>
	<p>HOSE TYGON/ OD=4.89/ ID=3.17/ 2 STOPPER BLACK-WHITE/ LENGTH=400MM/ [12 PCS.]</p> <p>SCHLAUCH TYGON/ AD=4,89/ ID=3,17/ 2 STOPPER SCHWARZ-WEISS/ LÄNGE=400MM/ [12 STK.]</p> <p><b>47201052</b></p>

## SPECTROGREEN · FMD46 (2020)

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HOSE TYGON/ OD=2.48/ ID=0.76/ 2 STOPPER BLACK-BLACK/ LENGTH=400MM/  
[12 PCS.]

SCHLAUCH TYGON/ AD=2,48/ ID=0,76/ 2 STOPPER SCHWARZ-SCHWARZ/  
LÄNGE=400MM/ [12 STK.]

**47201050**

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VIBRATION ABSORBER/ FOR PERISTALT. PUMP/ B10X15/ M4/ [4 PCS.]

SCHWINGUNGSDÄMPFER/ FÜR PERISTALTISCHE PUMPE/ B10X15/ M4/ [4 STK.]

**47550022**

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COUPLING RUBBER SM VITON PERISTALT. PUMP

KUPPLUNGSGUMMI SM VITON PERISTALT. PUMPE

**47550021**

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PRESS STRAP KIT/ FOR 3-CHANNEL PERIST. PUMP TYPE: MP12-SM/3 DMB/ FOR  
71000249 (77040508,77040509)

ANPRESSBÜGEL KIT/ FÜR 3-KANAL PERISTALT. PUMPE TYP: MP12-SM/3 DMB/ FÜR  
71000249 (77040508,77040509)

**71000248**

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ADJUSTING LEVER KIT/ FOR 3 CHANNEL PERIST. PUMP TYPE: MP12-SM/3 DMB/  
FOR 71000249 (77040508,77040509)

JUSTIERHEBEL KIT/ FÜR 3-KANAL PERIST. PUMPE TYP: MP12-SM/3 DMB/ FÜR  
71000249 (77040508,77040509)

**71000250**

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PARTS SET PUMP PERISTALTIC 3-CHANNEL/ 24VDC/ TYP: MP12-SM/3 DMB/  
WITHOUT FRONT PANEL/ SPARES FOR 77040508,77040509

TEILESATZ PUMPE PERISTALTIK 3-KANAL/ 24VDC/ TYP: MP12-SM/3 DMB/ OHNE  
FRONTPLATTE/ E-TEIL FÜR 77040508/77040509

**71000249**

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## SPECTROGREEN · FMD46 (2020)

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PARTS SET OF SAFETY COVER PERISTALTIC PUMP/ BUILT IN 2020 OR LATER/ CA. 144X140X70MM

TEILESATZ SICHERHEITSSABDECKUNG PERISTALTISCHE PUMPEN/ AB BAUJAHR 2020/ CA. 144X140X70MM

**71000796**

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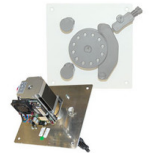


BOARD SM DMB V2.0 COMPLETE/ SPARE PART FOR PERISTALTIC PUMP DMB

PLATINE SM DMB V2.0 KOMPLETT/ ERSATZTEIL FÜR PERISTALTISCHE PUMPE DMB

**71000834**

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PERISTALTIC PUMP/ 3 CHANNEL/ DMB/ FMX46

PUMPE PERISTALTIK/ 3-KANAL/ DMB/ FMX46

**77040521**

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PERISTALTIC PUMP/ 4 CHANNEL/ DMB/ FMX46

PUMPE PERISTALTIK/ 4-KANAL/ DMB/ FMX46

**77040522**

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### Miscellaneous

Photo  
Foto

Description  
Bezeichnung



UNION JOINT BULKHEAD/ FOR HOSE ID2.3/ TYPE=LUER/ FOR PANEL INSTALLATION D6MM/ [5 PCS.]

VERSCHRAUBUNG SCHOTT/ FÜR SCHLAUCH ID2,3/ TYP=LUER/ FÜR SCHALTAFELMONTAGE AUSBRUCH D6MM/ [5 STK.]

**44702040**

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## SPECTROGREEN · FMD46 (2020)

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FLAG EXHAUST SENSOR

FAHNE ABLUFTSENSOR

**46503262**

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LABEL BUTTON "PLASMA OFF"

SCHILD TASTER "PLASMA OFF"

**64015322**

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KIT OPTION EXTERNAL PORT FOR "PLASMA ON" SIGNAL

TS OPTION EXTERNER PORT FÜR "PLASMA ON" SIGNAL

**71000670**

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TANK WASTE WATER/ 10L/ WITH SWITCH

BEHÄLTER ABWASSER/ 10L/ MIT SCHALTER

**75000502**

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OPTION OXYGENE

OPTION SAUERSTOFF

**73004039**

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OPTICAL FIBER CONTROL/ 1.5M/ ASSEMBLY/ PLUG BLUE+GREY WITHOUT MARKING

LICHTLEITER STEUER/ 1,5M/ ASSEMBLY/ STECKER BLAU+GRAU OHNE MARKIERUNG

**75090021**

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# SPECTROGREEN · FMD46 (2020)



TOOL, SCREWDRIVER FOR LENSE ATTACHMENT ICP EOP

SCHRAUBWERKZEUG LINSENKLEMMUNG ICP EOP

**75160521**



SCREW CAP/ FOR WIDE-MOUTH TANK/ CLOSED

DECKEL/ FÜR KANISTER WEITHALS/ GESCHLOSSEN

**80012043**



OPTIC-PAPER DRY/ [5X30 SHEETS]

OPTIKPAPIER TROCKEN/ [5X30 BLATT]

**80000017**

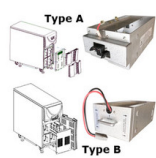



VACUUM GREASE KRYTOX GPL224

VAKUUMFETT KRYTOX GPL224 1/2 OZ TUBE

**80005026**

## Accessories

Photo Foto	Description Bezeichnung
	<p>BATTERY KIT FOR UPS SECURITY PLUS(II)/ 77020133+77020141/ 4 RACKS</p> <p>AKKUSAT FÜR USV SECURITY PLUS (II)/ 77020133+77020141/ 4 EINSCHÜBE</p> <p><b>69001007</b></p>
	<p>PARTS SET PARTICLE FILTER AR-LINE</p> <p>TEILESATZ PARTIKELFILTER AR-ZULEITUNG</p> <p><b>71000845</b></p>

## SPECTROGREEN · FMD46 (2020)

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PATCH CABLE/ CROSS OVER/ RJ45-RJ45/ CAT.5/ L=3M/ GRAY

PATCHKABEL/ CROSS OVER/ RJ45-RJ45/ KAT.5/ L=3M/ GRAU

**75120032**

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ARGON HUMIDIFIER TWO-CHANNEL ELEGRA CPL.

BEFEUCHTER ARGON ZWEIKANAL ELEGRA KPL.

**75460543**

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HOLDER ARGON HUMIDIFIER

HALTER ARGONBEFEUCHTER

**75560504**

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AUTOSAMPLER OILS-7400/ 60 POSITION RACK

PROBENGEBER OILS-7400/ 60 POSITIONEN RACK

**77060517**

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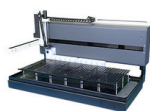


UNINTERRUPTIBLE POWER SUPPLY 6000VA/ 208-240/104-240VAC/ 50/60HZ/

UNTERBRECHUNGSFREIE SPANNUNGSVERSORGUNG/ 6000VA/ 208-240/104-240VAC/ 50/60HZ/

**77020141**

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AUTOSAMPLER OILS-7600/ 60 POSITION RACK

PROBENGEBER OILS-7600/ 60 POSITIONEN RACK

**77060518**

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ASXPRESS - AQUEOUS VERSION FOR ASX

ASXPRESS - AQUEOUS VERSION FÜR ASX

**77060509**

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## SPECTROGREEN · FMD46 (2020)

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ASXPRESS - OIL VERSION FOR ASX

ASXPRESS - ÖL VERSION FÜR ASX

**77060508**

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BENCH FOR ASSESSORIES/ D900/ W750/ H743MM/ MOVEABLE

TISCH FÜR ZUBEHÖR/ L900/ B750/ H743MM/ FAHRBAR

**78000002**

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BENCH FOR ARCOS/ D1500/ W750/ H743MM/ NOT MOVEABLE

TISCH FÜR ARCOS/ L1500/ B750/ H743MM/ NICHT FAHRBAR

**78000003**

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AUTOSAMPLER XLR-8-60

PROBENGEBER XLR-8-60

**78280114**

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EXTERNAL TRIGGER INTERFACE/ DIGITAL AND ANALOG

EXTERNAL TRIGGER INTERFACE/ DIGITAL UND ANALOG

**77090037E**

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AUTOSAMPLER ASX-280/ W/O PUMP

PROBENGEBER ASX-280/ OHNE PUMPE

**78280096**

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AUTOSAMPLER SDX HPLD

PROBENGEBER SDX HPLD

**78280117**

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## SPECTROGREEN · FMD46 (2020)

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AUTOSAMPLER ASX-560/ W/O PUMP  
PROBENGEBER ASX-560/ OHNE PUMPE

**78280095**

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ULTRA SONIC NEBULIZER USN-5000AT+/ 100-120VAC/ 50-60HZ/ 520W  
ULTRASCHALLZERSTÄUBER USN-5000AT+/ 100-120VAC/ 50-60HZ/ 520W

**78997023**

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ULTRA SONIC NEBULIZER USN-5000AT+/ 220-240VAC/ 50-60HZ/ 520W  
ULTRASCHALLZERSTÄUBER U-5000AT+/ 220-240VAC/ 50-60HZ/ 520W

**78997024**

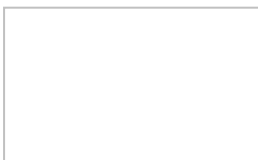
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AUTOSAMPLER HT1000I/ 80X10ML/ 9X50ML  
PROBENGEBER HT1000I/ 80X10ML/ 9X50ML

**78990038**

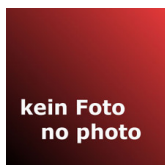
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AUTOSAMPLER AIM3300  
AUTOSAMPLER AIM3300

**78990092**

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AUTOSAMPLER HT1211I/ WITHOUT PUMP/ INCL. RACKS 2\*15 ML TUBE, 1\*50 ML TUBE  
AUTOSAMPLER HT1211I/ OHNE PUMPE/ INKL. RACKS 2\*15 ML TUBE, 1\*50 ML TUBE

**78310001**

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## SPECTROGREEN · FMD46 (2020)

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USB-STICK 32GB

USB-STICK 32GB

**80961121**

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