

La-Pha-Pack[®]
Werner Reifferscheidt GmbH

Consumables
for
**Thermo
Finnigan**



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CRIMP NECK ND8



Consumables for

**Thermo
Finnigan**

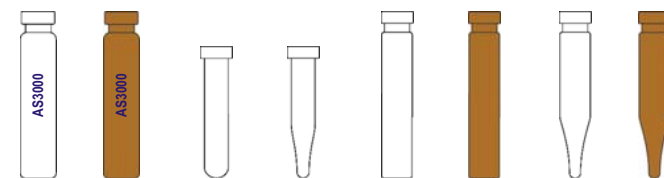
AS3000
AS3500
Finnigan/Carlo Erba/Fisons A200LC
Carlo Erba/Fisons AS100
Carlo Erba/Fisons AS300

CRIMP NECK ND11



Crimp Neck ND8

1:1
Drawings



LPP Art.-No. 08 09 0845 / 08 09 0953 08 09 0276 08 09 0606 08 09 0405 / 08 09 0406 08 09 0305 / 08 09 0258

See Thermo Art.-No. 240 700 10

LPP Art.-Description	1.2ml Crimp Neck Vial, 40 x 8.2mm, clear glass, 1" hydrol. class	1.2ml Crimp Neck Vial, 40 x 8.2mm, amber glass, 1" hydrol. class	0.3ml Micro-Vial, 31.5 x 5.5mm, clear glass, 1" hydrol. class, round bottom	0.3ml Micro-Vial, 31.5 x 5.5mm, clear glass, 1" hydrol. class, conical	0.7ml Crimp Neck Vial, 40 x 7mm, clear glass, 1" hydrol. class	0.7ml Crimp Neck Vial, 40 x 7mm, amber glass, 1" hydrol. class	0.7ml Crimp Neck Micro-Vial, 40 x 7mm, clear glass, 1" hydrol. Class, 1" hydrol. Class, conical	0.7ml Crimp Neck Micro-Vial, 40 x 7mm, amber glass, 1" hydrol. Class, conical
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box

Crimp Neck ND11

1:1
Drawings



LPP Art.-No. 11 09 0831 11 09 0356 11 09 0476 11 09 0477 11 09 0619 11 09 0415 11 09 0921

See Thermo Art.-No. 240 700 05

LPP Art.-Description	2.5ml Crimp Neck Vial, 41 x 11.6mm, clear glass, 1" hydrol. class, wide opening	1.5ml Crimp Neck Vial, 32 x 11.6mm, clear glass, 1" hydrol. class, wide opening	1.5ml Crimp Neck Vial, 32 x 11.6mm, clear glass, 1" hydrol. class, wide opening, label + filling lines	1.5ml Crimp Neck Vial, 32 x 11.6mm, amber glass, 1" hydrol. class, wide opening, label + filling lines	1.1ml Microliter Crimp Neck Vial ND11, 32 x 11.6mm, clear glass, 1" hydrol. class	1.1ml Crimp Neck Micro-Vial, 32 x 11.6mm, clear glass, 1" hydrol. class, conical	Crimp Neck Vial with integrated 0.2ml Micro-insert, clear glass, 1" hydrol. class, label + filling lines
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

HPLC

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Consumables for Thermo Finnigan



AS3000
AS3500
Finnigan/Carlo Erba/Fisons A200LC
Carlo Erba/Fisons AS100
Carlo Erba/Fisons AS300

MICRO-INSERTS FOR WIDE OPENING (Short Thread ND9, Screw Neck ND10, Crimp Neck ND11, Snap Ring ND11)

1 : 1 Drawings					
LPP Art.-Nr.	06 09 0357	06 09 0669	06 09 0866	06 09 0865	06 09 1240
See Thermo Art.-No.					
LPP Art.-Description	Micro-Insert, 31 x 6mm, clear glass, 15mm top	Micro-Insert, 31 x 6mm, clear glass, 12mm top	Micro-Insert, 31 x 6mm, clear glass, flat bottom	Micro-Insert, 28 x 6mm, clear glass, with assembled plastic spring	Micro-Insert, 31 x 6mm, clear glass, 15mm top SILANIZED
LPP Packaging Unit	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box

Crimpers

LPP Art.-No.	08 06 0005	08 07 0001	11 06 0006	11 07 0002	13 06 0007	13 07 0003	20 06 0008	20 07 0004
See Thermo Art.-No.	205 110 01		205 110 00				205 007 00	205 007 10
LPP Art.-Description	8mm Crimper	8mm Decapper	11mm Crimper	11mm Decapper	13mm Crimper	13mm Decapper	20mm Crimper	20mm Decapper
LPP Packaging Unit	1 piece per PP-Box	1 piece per PP-Box	1 piece per PP-Box	1 piece per PP-Box	1 piece per PP-Box	1 piece per PP-Box	1 piece per PP-Box	1 piece per PP-Box

Vial Racks

LPP Art.-No.	08 21 1000	12 21 1001
See Thermo Art.-No.		
LPP Art.-Description	Vial Rack, Acrylic, (173 x 95 x 20mm), 50 cavities with a diameter of 8.5/3mm	Vial Rack, Acrylic, (173 x 95 x 20mm), 50 cavities with a diameter of 12mm
LPP Packaging Unit	1 piece	1 piece



HPLC

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Consumables for Thermo Finnigan



AS2000
Finnigan/Carlo Erba/Fisons A200S
Carlo Erba/Fisons AS800, 42 vial tray
Carlo Erba/Fisons AS800, 60 vial tray

Seals for Crimp Neck ND8 (with assembled Septa)

08 03 0451		8mm Alu. Crimp Cap, clear lacquered, centre hole;	Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
08 03 0200		8mm Alu. Crimp Cap, clear lacquered, centre hole;	Natural Rubber red-orange/Butyl red/TEF transparent, 45° shore A, 1.0mm
08 03 0884	386 060 31	8mm Alu. Crimp Cap, clear lacquered, centre hole;	Silicone dark blue/PTFE white, 45° shore A, 1.3mm
08 03 0599	Alt. 386 060 31	8mm Alu. Crimp Cap, clear lacquered, centre hole;	Silicone blue transparent/PTFE white, 35° shore A, 1.3mm
08 03 0249	Alt. 386 060 31	8mm Alu. Crimp Cap, clear lacquered, centre hole;	UltraClean Silicone white/PTFE red, 35° shore A, 1.3mm
08 03 0113		8mm Alu. Crimp Cap, clear lacquered, centre hole;	PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm

Further 8mm Aluminium Crimp Seals are available!
Packaging Unit: 100 pieces per PE-Bag

Seals for Crimp Neck Crimp Neck ND11 (with assembled Septa)

11 03 0209		11mm Alu. Crimp Cap, clear lacquered, centre hole;	Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
11 03 0300		11mm Alu. Crimp Cap, clear lacquered, centre hole;	Natural Rubber red-orange/Butyl red/TEF transparent, 45° shore A, 1.0mm
11 03 0885	386 060 40	11mm Alu. Crimp Cap, clear lacquered, centre hole;	Silicone dark blue/PTFE white, 45° shore A, 1.3mm
11 03 0588	Alt. 386 060 40	11mm Alu. Crimp Cap, clear lacquered, centre hole;	Silicone blue transparent/PTFE white, 35° shore A, 1.3mm
11 03 0247	Alt. 386 060 40	11mm Alu. Crimp Cap, clear lacquered, centre hole;	UltraClean Silicone white/PTFE red, 35° shore A, 1.3mm
11 03 0196		11mm Alu. Crimp Cap, clear lacquered, centre hole;	PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm

Further 11mm Aluminium Crimp Seals are available!
Packaging Unit: 100 pieces per PE-Bag

Seals for Screw Neck ND8 (with assembled Septa)

08 15 0460		8mm PP Screw Cap black, centre hole;	Natural Rubber red-orange/TEF transp., 55° shore A, 1.3mm
08 15 0886		8mm PP Screw Cap black, centre hole;	Silicone dark blue/PTFE white, 45° shore A, 1.3mm
08 15 0709		8mm PP Screw Cap black, centre hole;	Silicone blue transparent/PTFE white, 35° shore A, 1.3mm
08 15 0293		8mm PP Screw Cap black, centre hole;	UltraClean Silicone white/PTFE red, 35° shore A, 1.3mm
08 15 0294		8mm PP Screw Cap black, centre hole;	PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm

Further 8mm Screw Seals with different Septa resp. with black, closed top or white open/closed top Screw Caps are available!
Packaging Unit: 100 pieces per PE-Bag

HPLC

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Consumables for Thermo Finnigan



AS2000
Finnigan/Carlo Erba/Fisons A200S
Carlo Erba/Fisons AS800, 42 vial tray
Carlo Erba/Fisons AS800, 60 vial tray

Various

08 08 0027	386 060 74	8mm PP Screw Cap black, centre hole;
08 02 0881	313 032 17	8mm Septa, Silicone dark blue/PTFE white, 45° shore A, 1.3mm

Packaging Unit: Caps: 100 pieces per PE-Bag; Septa: 1000 pieces per PE-Bag

Short Thread Seals ND9 (with assembled Septa)

09 15 0867	9mm PP Short Thread Cap, blue, centre hole;	Natural Rubber red-orange/TEF transp., 55° shore A, 1.0mm
09 15 0838	9mm PP Short Thread Cap, blue, centre hole;	UltraClean Silicone white/PTFE red, 55° shore A, 1.0mm
09 15 0868	9mm PP Short Thread Cap, blue, centre hole;	PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
09 15 0869	9mm PP Short Thread Cap, blue, centre hole;	Silicone white/PTFE blue, with slit, 60° shore A, 1.0mm

Further 9mm Short Thread Seals with different Septa resp. with transparent, red, green or yellow Caps are available!
Packaging Unit: 100 pieces per PE-Bag

Snap Ring Seals ND11 (with assembled Septa)

11 15 0635	11mm PE Snap Ring Cap, transp., centre hole;	Natural Rubber red-orange/TEF transp., 55° shore A, 1.0mm
11 15 0637	11mm PE Snap Ring Cap, transp., centre hole;	UltraClean Silicone white/PTFE red, 55° shore A, 1.0mm
11 15 0636	11mm PE Snap Ring Cap, transp., centre hole;	PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
11 15 0650	11mm PE Snap Ring Cap, transp., centre hole;	Silicone white/PTFE blue, cross-slitted, 60° shore A, 1.0mm

Further 11mm Snap Ring Seals with different Septa resp. with red, blue, green or yellow Caps are available!
Packaging Unit: 100 pieces per PE-Bag

Seals for Screw Neck ND10 (with assembled Septa)

10 15 0743	10mm PP Screw Cap black, centre hole;	Silicone white/PTFE beige, 45° shore A, 1.5mm
10 15 1257	10mm PP Screw Cap black, centre hole;	UltraClean Silicone white/PTFE red, 35° shore A, 1.3mm
10 15 1256	10mm PP Screw Cap black, centre hole;	Natural Rubber red-orange/TEF transp., 60° shore A, 1.3mm
10 15 1258	10mm PP Screw Cap black, centre hole;	PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
10 15 1328	10mm PP Screw Cap black, centre hole;	Silicone white/PTFE blue, with slit, 60° shore A, 1.5mm

Further 10mm Screw Seals with different Septa are available!
Packaging Unit: 100 pieces per PE-Bag

HPLC

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Consumables for Thermo Finnigan



AS2000
Finnigan/Carlo Erba/Fisons A200S
Carlo Erba/Fisons AS800, 42 vial tray
Carlo Erba/Fisons AS800, 60 vial tray

Special La-Pha-Pack 2in1 KITs for Thermo

(For autosampler compatibility of each type of vial please see previous pages)

SCREW NECK ND8				SHORT THREAD ND9			
Article No. 2in1 KIT	See Thermo Article-No.	Vial	+ Seal	Article No. 2in1 KIT	See Thermo Article-No.	Vial	+ Seal
11 23 1046		11 09 0210	+ 08 15 0293	11 24 1049		11 09 0500	+ 09 15 0867
11 23 1098		11 09 0259	+ 08 15 0293	11 24 1050		11 09 0500	+ 09 15 0838
11 23 1100		11 09 0382	+ 08 15 0293	11 24 1051		11 09 0500	+ 09 15 0869
11 23 1280		11 09 0419	+ 08 15 0293	11 24 1052		11 09 0500	+ 09 15 0868
11 23 1048		11 09 0210	+ 08 15 0294	11 24 1143		11 09 0519	+ 09 15 0838
11 23 1045		11 09 0210	+ 08 15 0460	11 24 1238		11 09 0519	+ 09 15 0869
11 23 1...		11 09 0259	+ 08 15 0460	11 24 1446		11 09 0519	+ 09 15 0868
11 23 1...		11 09 0210	+ 08 15 0886	11 24 1342		11 09 0520	+ 09 15 0838
11 23 1...		11 09 0259	+ 08 15 0886	11 24 1129		11 09 0620	+ 09 15 0869

CRIMP NECK ND11				SNAP RING ND11			
Article No. 2in1 KIT	See Thermo Article-No.	Vial	+ Seal	Article No. 2in1 KIT	See Thermo Article-No.	Vial	+ Seal
11 25 1053		11 09 0356	+ 11 03 0209	11 26 1059		11 09 0627	+ 11 15 0635
11 25 1054		11 09 0356	+ 11 03 0300	11 26 1444		11 09 0645	+ 11 15 0635
11 25 1055		11 09 0356	+ 11 03 0247	11 26 1062		11 09 0627	+ 11 15 0636
11 25 1057		11 09 0356	+ 11 03 0196	11 26 1...		11 09 0645	+ 11 15 0636
11 25 1139		11 09 0476	+ 11 03 0209	11 26 1060		11 09 0627	+ 11 15 0637
11 25 1097		11 09 0477	+ 11 03 0209	11 26 1274		11 09 0645	+ 11 15 0637
11 25 1287		11 09 0477	+ 11 03 0300	11 26 1061		11 09 0627	+ 11 15 0650
11 25 1289		11 09 0477	+ 11 03 0247	11 26 1059		11 09 0627	+ 11 15 0635
11 25 1290		11 09 0415	+ 11 03 0247	11 26 1444		11 09 0645	+ 11 15 0635

SCREW NECK ND10			
Article No. 2in1 KIT	See Thermo Article-No.	Vial	+ Seal
10 32 1282		10 09 0743	+ 10 15 1257
10 32 1283		10 09 1197	+ 10 15 1257
10 32 1329		10 09 0743	+ 10 15 1328
10 32 1330		10 09 1196	+ 10 15 1328
10 32 1331		10 09 1197	+ 10 15 1328

Further 2in1 KITs upon request!



Any combination of 1.5ml resp. 4ml Vials with appropriate Seals of your choice can be supplied as 2in1 KIT!

HPLC

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**PP MICRO-VIALS
ND9 + ND11**



**Consumables for
Thermo
Finnigan**

AS2000
Finnigan/Carlo Erba/Fisons A200S
Carlo Erba/Fisons AS800, 42 vial tray
Carlo Erba/Fisons AS800, 60 vial tray

**25mm HPLC
SYRINGE FILTERS**



1:1 Drawings	PP Vials ND9 + ND11	Amber PP Vials ND9 + ND11
LPP Art.-No.	11 19 0932 11 19 0933	11 19 1216 11 19 1217
See Thermo Art.-No.		
LPP Art.-Description	0.3ml Polypropylene Short Thread Micro-Vial ND9, 32 x 11.6mm also available in TPX	0.3ml Polypropylene Short Thread Micro-Vial ND11, 32 x 11.6mm also available in TPX
LPP Packaging Unit	100 pieces per PE-Bag	100 pieces per PE-Bag

ProFill™ HPLC Syringe Filters (Other HPLC accessories)

25 16 0346	25 16 0347	25 16 0348	25 16 0349	25 16 0350	25 16 0351
ProFill™ 25mm HPLC Syringe Filter, PTFE, green, 0.7µm	ProFill™ 25mm HPLC Syringe Filter, PTFE, natural, 0.45µm	ProFill™ 25mm HPLC Syringe Filter, Reg. Cellulose (RC), blue, 0.2µm	ProFill™ 25mm HPLC Syringe Filter, Reg. Cellulose (RC), yellow, 0.45µm	ProFill™ 25mm HPLC Syringe Filter, Nylon (PA), bright blue, 0.2µm	ProFill™ 25mm HPLC Syringe Filter, Nylon (PA), bright green, 0.45µm
100 pieces per PE-Bag, add. packed in a PP-Box	100 pieces per PE-Bag, add. packed in a PP-Box	100 pieces per PE-Bag, add. packed in a PP-Box	100 pieces per PE-Bag, add. packed in a PP-Box	100 pieces per PE-Bag, add. packed in a PP-Box	100 pieces per PE-Bag, add. packed in a PP-Box
Hydrophobic (water repellent)	Hydrophobic (water repellent)	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
Sample Retention < 0.1ml Pressure Rating: 500 kPa (= 5 bar = 7.2 psi) Effective Filter Area: 3.9 cm² Luer-Lock-Inlet (female) Luer-Slip (male)	Sample Retention < 0.1ml Pressure Rating: 500 kPa (= 5 bar = 7.2 psi) Effective Filter Area: 3.9 cm² Luer-Lock-Inlet (female) Luer-Slip (male)	Sample Retention < 0.1ml Pressure Rating: 500 kPa (= 5 bar = 7.2 psi) Effective Filter Area: 3.9 cm² Luer-Lock-Inlet (female) Luer-Slip (male)	Sample Retention < 0.1ml Pressure Rating: 500 kPa (= 5 bar = 7.2 psi) Effective Filter Area: 3.9 cm² Luer-Lock-Inlet (female) Luer-Slip (male)	Sample Retention < 0.1ml Pressure Rating: 500 kPa (= 5 bar = 7.2 psi) Effective Filter Area: 3.9 cm² Luer-Lock-Inlet (female) Luer-Slip (male)	Sample Retention < 0.1ml Pressure Rating: 500 kPa (= 5 bar = 7.2 psi) Effective Filter Area: 3.9 cm² Luer-Lock-Inlet (female) Luer-Slip (male)
chemically high resistant	chemically high resistant	good moistening properties, wet durable	good moistening properties, wet durable	high mechanical stability, i.e. wet + dry durable	high mechanical stability, i.e. wet + dry durable
for organic solutions, aggressive acids and bases or cryo liquids	for organic solutions, aggressive acids and bases or cryo liquids	for aqueous and organic media, not suitable for aggressive acids and bases	for aqueous and organic media, not suitable for aggressive acids and bases	for aqueous and organic media (often used for pharmac. application)	for aqueous and organic media (often used for pharmac. application)

CE + CE/MS

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**Consumables for
Thermo
Finnigan**

AS2000
Finnigan/Carlo Erba/Fisons A200S
Carlo Erba/Fisons AS800, 42 vial tray
Carlo Erba/Fisons AS800, 60 vial tray



1:1 Drawings	Crimp Neck ND8 for AS800 + AS2000				
LPP Art.-No.	08 09 0284	08 09 0845 / 08 09 0953	240 700 10	08 09 0276	08 09 0606
See Thermo Art.-No.					
LPP Art.-Description	0.8ml Crimp Neck Vial, 30 x 8.2mm, clear glass, 1" hydrof. class	1.2ml Crimp Neck Vial, 40 x 8.2mm, clear glass, 1" hydrof. class	1.2ml Crimp Neck Vial, 40 x 8.2mm, amber glass, 1" hydrof. class	0.3ml Micro-Vial, 31.5 x 5.5mm, clear glass, 1" hydrof. class, round bottom	0.3ml Micro-Vial, 31.5 x 5.5mm, clear glass, 1" hydrof. class, conical
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box

1:1 Drawings	Crimp Neck ND8 for A200S				Crimp Neck ND11 for AS800	
LPP Art.-No.	08 09 0405 / 08 09 0406	08 09 0305 / 08 09 0258	11 09 0831	11 09 0415		
See Thermo Art.-No.			240 700 05			
LPP Art.-Description	0.7ml Crimp Neck Vial, 40 x 7mm, clear glass, 1" hydrof. class	0.7ml Crimp Neck Vial, 40 x 7mm, amber glass, 1" hydrof. class	0.7ml Crimp Neck Micro-Vial, 40 x 7mm, clear glass, 1" hydrof. Class, conical	0.7ml Crimp Neck Micro-Vial, 40 x 7mm, amber glass, 1" hydrof. Class, conical	2.5ml Crimp Neck Vial, 41 x 11.6mm, clear glass, 1" hydrof. class, wide opening	1.1ml Crimp Neck Micro-Vial, 32 x 11.6mm, clear glass, 1" hydrof. class, conical
LPP Packaging Unit	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

GC + GC/MS

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SCREW NECK ND8



Consumables for

Thermo Finnigan



AS2000

Finnigan/Carlo Erba/Fisons A200S
Carlo Erba/Fisons AS800, 42 vial tray
Carlo Erba/Fisons AS800, 60 vial tray

Screw Neck ND8

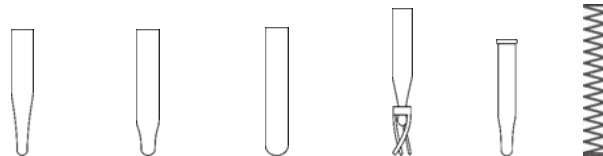
1:1
Drawings



LPP Art.-No.	11 09 0210	11 09 0419	11 09 0259	11 09 0382	11 09 0417	20 09 0795
See Thermo Art.-No.	240 740 41					240 740 20
LPP Art.-Description	1.5ml Screw Neck Vial, 32 x 11.6mm, clear glass, 1" hydrof. class, small opening	1.5ml Screw Neck Vial, 32 x 11.6mm, clear glass, 1" hydrof. class, small opening, label + filling lines	1.5ml Screw Neck Vial, 32 x 11.6mm, amber glass, 1" hydrof. class, small opening	1.5ml Screw Neck Vial, 32 x 11.6mm, amber glass, 1" hydrof. class, small opening, label + filling lines	1.1ml Screw Neck Micro-Vial, 32 x 11.6mm, clear glass, 1" hydrof. Class, conical	10ml Headspace-Vial, 46 x 22.5mm, clear glass, 1" hydrof. class, DIN Crimp Neck, flat bottom
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

MICRO-INSERTS FOR SMALL OPENING (Screw Neck ND8)

1:1
Drawings



LPP Art.-No.	05 09 0129	05 09 0269	05 09 0509	05 09 0968	05 09 0279 + 05 13 0426
See Thermo Art.-No.					
LPP Art.-Description	0.1ml Micro-Insert, 30 x 5mm, clear glass, 15mm top	0.1ml Micro-Insert, 30 x 5mm, clear glass, 9mm top	0.2ml Micro-Insert, 30.5 x 5mm, clear glass, round bottom	0.1ml Micro-Insert, 28 x 5mm, clear glass, with assembled plastic spring	0.05ml Micro-Insert, 27.5 x 4mm, clear glass, Spring necessary! Spring for Micro-Insert 05 09 0279, 36 x 5mm
LPP Packaging Unit	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PE-Bag

GC + GC/MS

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CRIMP NECK ND11



Consumables for

Thermo Finnigan

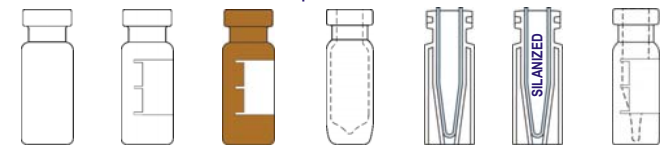


AS2000

Finnigan/Carlo Erba/Fisons A200S
Carlo Erba/Fisons AS800, 42 vial tray
Carlo Erba/Fisons AS800, 60 vial tray

Crimp Neck ND11

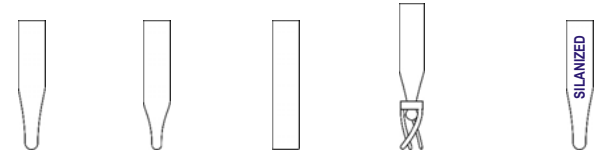
1:1
Drawings



LPP Art.-No.	11 09 0356	11 09 0476	11 09 0477	11 09 0619	11 14 1190	11 14 1266	11 09 0921
See Thermo Art.-No.							
LPP Art.-Description	1.5ml Crimp Neck Vial, 32 x 11.6mm, clear glass, 1" hydrof. class, wide opening	1.5ml Crimp Neck Vial, 32 x 11.6mm, clear glass, 1" hydrof. class, wide opening, label + filling lines	1.5ml Crimp Neck Vial, 32 x 11.6mm, amber glass, 1" hydrof. class, wide opening, label + filling lines	1.1ml Microliter Crimp Neck Vial ND11, 32 x 11.6mm, clear glass, 1" hydrof. class	Top Serf™ TPX Snap Ring Vial ND11, 32 x 11.6mm, with integrated 0.2ml Glass Micro-Insert	Top Serf™ TPX Snap Ring Vial ND11, 32 x 11.6mm, with integrated SILANIZED 0.2ml Glass Micro-Insert	Crimp Neck Vial with integrated 0.2ml Micro-Insert, clear glass, 1" hydrof. class, label + filling lines
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

MICRO-INSERTS FOR WIDE OPENING (Crimp Neck ND11)

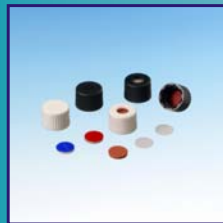
1:1
Drawings



LPP Art.-No.	06 09 0357	06 09 0669	06 09 0866	06 09 0865	06 09 1240
See Thermo Art.-No.					
LPP Art.-Description	0.1ml Micro-Insert, 31 x 6mm, clear glass, 15mm top	0.1ml Micro-Insert, 31 x 6mm, clear glass, 12mm top	0.2ml Micro-Insert, 31 x 6mm, clear glass, flat bottom	0.1ml Micro-Insert, 28 x 6mm, clear glass, with assembled plastic spring	0.1ml Micro-Insert, 31 x 6mm, clear glass, 15mm top SILANIZED
LPP Packaging Unit	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box

GC + GC/MS

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Consumables for Thermo Finnigan



AS2000
Finnigan/Carlo Erba/Fisons A200S
Carlo Erba/Fisons AS800, 42 vial tray
Carlo Erba/Fisons AS800, 60 vial tray

Seals for Screw Neck ND8 (with assembled Septa)

08 15 0460		8mm PP Screw Cap black, centre hole; Natural Rubber red-orange/TEF transp., 55° shore A, 1.3mm
08 15 0886		8mm PP Screw Cap black, centre hole; Silicone dark blue/PTFE white, 45° shore A, 1.3mm
08 15 0709		8mm PP Screw Cap black, centre hole; Silicone blue transparent/PTFE white, 35° shore A, 1.3mm
08 15 0293		8mm PP Screw Cap black, centre hole; UltraClean Silicone white/PTFE red, 35° shore A, 1.3mm
08 15 0294		8mm PP Screw Cap black, centre hole; PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm Further 8mm Screw Seals with different Septa resp. with black, closed top or white open/closed top Screw Caps are available! Packaging Unit: 100 pieces per PE-Bag

Seals for Crimp Neck ND8 (with assembled Septa)

08 03 0451		8mm Alu. Crimp Cap, clear lacquered, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
08 03 0200		8mm Alu. Crimp Cap, clear lacquered, centre hole; Natural Rubber red-orange/Butyl red/TEF transparent, 45° shore A, 1.0mm
08 03 0884	386 060 31	8mm Alu. Crimp Cap, clear lacquered, centre hole; Silicone dark blue/PTFE white, 45° shore A, 1.3mm
08 03 0599	Alt. 386 060 31	8mm Alu. Crimp Cap, clear lacquered, centre hole; Silicone blue transparent/PTFE white, 35° shore A, 1.3mm
08 03 0249	Alt. 386 060 31	8mm Alu. Crimp Cap, clear lacquered, centre hole; UltraClean Silicone white/PTFE red, 35° shore A, 1.3mm
08 03 0113		8mm Alu. Crimp Cap, clear lacquered, centre hole; PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm Further 8mm Aluminium Crimp Seals are available! Packaging Unit: 100 pieces per PE-Bag

Seals for Crimp Neck ND11 (with assembled Septa)

11 03 0209		11mm Alu. Crimp Cap, clear lacquered, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
11 03 0300		11mm Alu. Crimp Cap, clear lacquered, centre hole; Natural Rubber red-orange/Butyl red/TEF transparent, 45° shore A, 1.0mm
11 03 0885	386 060 40	11mm Alu. Crimp Cap, clear lacquered, centre hole; Silicone dark blue/PTFE white, 45° shore A, 1.3mm
11 03 0588	Alt. 386 060 40	11mm Alu. Crimp Cap, clear lacquered, centre hole; Silicone blue transparent/PTFE white, 35° shore A, 1.3mm
11 03 0247	Alt. 386 060 40	11mm Alu. Crimp Cap, clear lacquered, centre hole; UltraClean Silicone white/PTFE red, 35° shore A, 1.3mm
11 03 0196		11mm Alu. Crimp Cap, clear lacquered, centre hole; PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm Further 11mm Aluminium Crimp Seals are available! Packaging Unit: 100 pieces per PE-Bag

GC + GC/MS

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Consumables for Thermo Finnigan



AS2000
Finnigan/Carlo Erba/Fisons A200S
Carlo Erba/Fisons AS800, 42 vial tray
Carlo Erba/Fisons AS800, 60 vial tray

Upon request we can also supply pre-sealed vials!

Upon request we can also supply vials with a barcode label!

Various

08 08 0027	386 060 74	8mm PP Screw Cap black, centre hole;
08 02 0881	313 032 17	8mm Septa, Silicone dark blue/PTFE white, 45° shore A, 1.3mm Packaging Unit: Screw Caps: 100 pieces per PE-Bag; Septa: 1000 pieces per PE-Bag

Seals for Crimp Neck ND20 (with assembled Septa)

20 03 0142	386 060 35	20mm Alu. Crimp Cap, plain, centre hole; UltraClean Silicone blue transparent/PTFE white, 35° shore A, 3.0mm
20 03 0901	Alt. 386 060 35	20mm Alu. Crimp Cap, plain, centre hole; Silicone white/PTFE beige, 35° shore A, 3.0mm
20 03 0030		20mm Alu. Crimp Cap, plain, centre hole; Pharma-Fix-Septa (Butyl/PTFE), 50° shore A, 3.0mm
20 03 0059		20mm Alu. Crimp Cap, plain, centre hole; Butyl/PTFE, grey, 50° shore A, 3.0mm Further 20mm Aluminium Crimp Seals are available! Packaging Unit: 100 pieces per PE-Bag

Solvent Vials and Seals ND20

22 15 1334	Seals for Solvent Vials of A200S	Polyethylene-Cap, 22 x 9.2 mm, 4.3 mm center hole, Silicone blue transparent/PTFE white, 35° shore A, 1.3mm
22 08 0257	386 100 15 PE-Cap for Solvent Vials of A200S	Polyethylene-Cap, 22 x 9.2 mm, 4.3 mm center hole
20 09 0795	Cleaning Solvent Vials of AS2000/AS3000 + A200S	10ml Headspace-Vial, 46 x 22.5mm, clear glass, 1 st hydrol. Class, DIN Crimp Neck, flat bottom

Vial Racks

	12 21 1001	24 21 1002
	Vial Rack, Acrylic, (173 x 95 x 20mm), 50 cavities with a diameter of 12mm	Vial Rack, Acrylic, (160 x 160 x 30mm), 25 cavities with a diameter of 24mm
	1 piece	1 piece

Crimpers

	08 06 0005 205 110 01 8mm Crimper	08 07 0001 8mm Decapper	11 06 0006 205 110 00 11mm Crimper	11 07 0002 11mm Decapper	20 06 0008 205 007 00 20mm Crimper	20 07 0004 205 007 10 20mm Decapper
	1 piece per PP-Box	1 piece per PP-Box	1 piece per PP-Box	1 piece per PP-Box	1 piece per PP-Box	1 piece per PP-Box

GC + GC/MS

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Consumables for

Thermo Finnigan



Any combination of 1.5ml vials with appropriate seals of your choice can be supplied as 2in1 KIT!

AS2000
Finnigan/Carlo Erba/Fisons A200S
Carlo Erba/Fisons AS800, 42 vial tray
Carlo Erba/Fisons AS800, 60 vial tray



09 18 0936 For Finnigan 9001, QCQ™ 9.5mm Universal HT Injection Port Septa, Silicone transparent			02 17 0472 Universal Capillary Connector for 2 columns 10 pieces per PP-Box	
17 18 0940 For Thermo Trace GC + Fisons/Carlo Erba 8000 Series 17mm Universal HT Injection Port Septa, Silicone transparent	Comparable with: alt. 313 032 26		02 17 0473 Universal Y-Capillary Connector for 3 columns 1 piece per PP-Box	
		GC Injection Port Septa		

GC

Special La-Pha-Pack 2in1 KITS for Thermo

(For autosampler compatibility of each type of vial please see previous pages)

SCREW NECK ND8			CRIMP NECK ND11		
Article No.	See Thermo Article-No.	Vial + Seal	Article No.	See Thermo Article-No.	Vial + Seal
11 23 1...		11 09 0210 + 08 15 0886	11 25 1...		11 09 0356 + 11 03 0885
11 23 1...		11 09 0259 + 08 15 0886	11 25 1...		11 09 0476 + 11 03 0885
11 23 1...		11 09 0382 + 08 15 0886	11 25 1...		11 09 0477 + 11 03 0885
11 23 1...		11 09 0419 + 08 15 0886	11 25 1290		11 09 0415 + 11 03 0247
11 23 1046		11 09 0210 + 08 15 0293 (alt.)	11 25 1055		11 09 0356 + 11 03 0247 (alt.)
11 23 1098		11 09 0259 + 08 15 0293 (alt.)	11 25 1...		11 09 0476 + 11 03 0247 (alt.)
11 23 1100		11 09 0382 + 08 15 0293 (alt.)	11 25 1289		11 09 0477 + 11 03 0247 (alt.)
11 23 1280		11 09 0419 + 08 15 0293 (alt.)	11 25 1057		11 09 0356 + 11 03 0196
11 23 1048		11 09 0210 + 08 15 0294			

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Consumables for

Thermo Finnigan



HS2000
Carlo Erba/Fisons HS250
Carlo Erba/Fisons HS500
Carlo Erba/Fisons HS800
Carlo Erba/Fisons HS850



Any combination of 20ml Headspace-Vials with a seal of your choice may be supplied as a 2in1 KIT!

1:1 Drawings			
	For HS250 HS500 HS800	For HS2000 HS850	For HS2000 HS850
LPP Art.-No.	20 09 1405	20 09 0795	20 09 0796
See Thermo Art.-No.		240 740 20	240 063 05
LPP Art. Description	10ml Headspace-Vial, 46 x 22.5mm, clear glass, 1" hydrol. class, DIN Crimp Neck, rounded bottom	10ml Headspace-Vial, 46 x 22.5mm, clear glass, 1" hydrol. class, DIN Crimp Neck, long neck, flat bottom	20ml Headspace-Vial, 75.5 x 22.5mm, clear glass, 1" hydrol. class, DIN Crimp Neck, long neck, flat bottom
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

HS

As Headspace-Vials have to withstand high internal pressure, all illustrated vials have a wall thickness of 1.2mm. Thus it is guaranteed that the vial will not burst. Contrary to a widely spread opinion the seal - and not the vial - represents the weakest part of the whole system. Under pressure the septa will bulge against the Aluminium Cap with such a force that the cap is torn apart. By own testing we verified that e.g. our vials can easily withstand 10 bars or more, while the seal is torn apart around 10 bars when no pressure release system - like our Headspace Cap - is used.

20 06 0008 205 007 00	20 07 0004 205 007 10		24 21 1002 Vial Rack, Acrylic, (160 x 160 x 30mm), 25 cavities with a diameter of 24mm	
1 piece per PP-Box	1 piece per PP-Box		1 piece	

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Consumables for

Thermo Finnigan

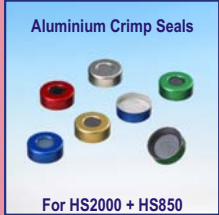
HS2000

Carlo Erba/Fisons HS250

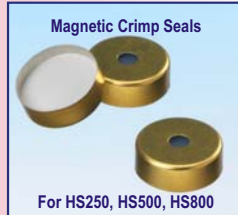
Carlo Erba/Fisons HS500

Carlo Erba/Fisons HS800

Carlo Erba/Fisons HS850



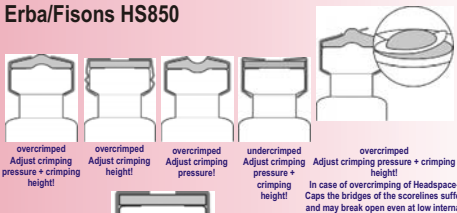
For HS2000 + HS850



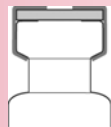
For HS250, HS500, HS800



As the liners vary strongly in their total thicknesses, it is essential to use a crimping tool that is adjustable in crimping height (screw up or down the inner part of the crimping head with a hexagon key) and in crimping pressure (Screw in the handle).



overcrimped Adjust crimping pressure + crimping height!
 overcrimped Adjust crimping height!
 overcrimped Adjust crimping pressure!
 undercrimped Adjust crimping pressure + crimping height!
 overcrimped Adjust crimping pressure + crimping height!
 In case of overcrimping of Headspace-Caps the bridges of the scorelines suffer and may break open even at low internal pressure (less than 3 bars) or may even tear apart beside the scorelines.



Correct Crimp

HS

Aluminium Crimp Seals For HS2000 + HS850



20 03 0127	20 03 0142	20 03 0030
386 038 00	386 094 10	386 036 00
20mm Seal: Alu. Crimp Cap, plain, centre hole; Butyl, dark grey, 55° shore A, 3.0mm	20mm Seal: Alu. Crimp Cap, plain, centre hole; UltraClean Silicone transparent blue/PTFE white, 35° shore A, 3.0mm	20mm Seal: Alu. Crimp Cap, plain, centre hole; Pharma-Fix-Septa (Butyl/PTFE), 50° shore A, 3.0mm

Magnetic Crimp Seals* For HS250, HS500, HS800

20 03 0711	20 03 0665	20 03 0710
20mm Seal: Magnetic Crimp Cap, gold, 5mm centre hole; Butyl, dark grey, 55° shore A, 3.0mm	20mm Seal: Magnetic Crimp Cap, gold, 5mm centre hole; UltraClean Silicone transparent blue/PTFE white, 35° shore A, 3.0mm	20mm Seal: Magnetic Crimp Cap, gold, 5mm centre hole; Pharma-Fix-Septa (Butyl/PTFE), 50° shore A, 3.0mm

Packaging Unit: 100 pieces per PE-Bag

* Please note that only Magnetic Crimp Seals with a small 5mm centre hole can be used on these instruments!

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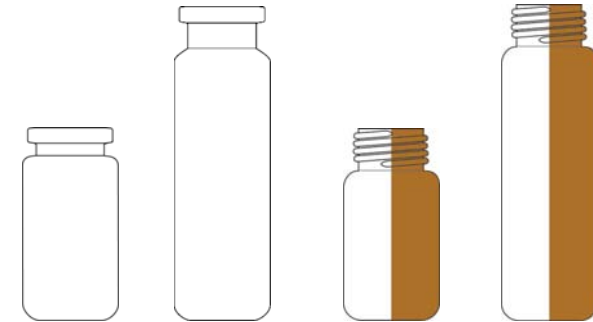
Consumables for

Thermo Finnigan

In combination with
Combi PAL



1:1
Drawings



LPP Art.-No.	20 09 1405	20 09 0873	18 09 1306/18 09 1310	18 09 1307/18 09 1311
See Thermo Art.-No.				
LPP Art. Description	10ml Headspace-Vial, 46 x 22.5mm, clear glass, 1" hydrol. class, DIN Crimp Neck, rounded bottom	20ml Headspace-Vial, 75.5 x 22.5mm, clear glass, 1" hydrol. class, DIN Crimp Neck, long neck, rounded bottom	10ml Precision Thread Vial ND18, 46 x 22.5mm, clear / amber glass, 1" hydrol. class, rounded bottom	20ml Precision Thread Vial ND18, 75.5 x 22.5mm, clear / amber glass, 1" hydrol. class, rounded bottom
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

Seals for Crimp Neck ND20 and Precision Thread ND18 (with assembled Septa)

20 03 0975	20mm Magn. Crimp Cap, gold, 8mm centre hole; UltraClean Silicone blue transp./PTFE white, 35° shore A, 3.0mm
20 03 1200	20mm Magn. Crimp Cap, gold, 8mm centre hole; Pharma-Fix-Septa (Butyl/PTFE), 50° shore A, 3.0mm
22 15 1334	22mm PE-Cap for DIN Crimp Neck, transp., centre hole; (Seal for Solvent Vial)
18 03 1414	18mm Magn. Screw Cap, silver, 8mm centre hole; UltraClean Silicone white/PTFE blue, 60° shore A, 1.5mm
18 03 1309	18mm Magn. Screw Cap, silver, 8mm centre hole; Silicone blue transp./PTFE white, 35° shore A, 1.3mm
18 03 1416	18mm Magn. Screw Cap, silver, 8mm centre hole; Butyl red/PTFE grey, 55° shore A, 1.6mm

Further 20mm Magnetic Crimp Seals resp. 18mm Magnetic Screw Seals are available!

Packaging Unit: 100 pieces per PE-Bag

HS

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Numerical Index / Cross References Thermo - La-Pha-Pack

Thermo Art.-No.	LPP Article-No. These articles <u>are included in the Thermo brochure</u> and may be <u>used</u> in connection with <u>Thermo instruments!</u>
240 700 10	08 09 0845
205 007 00	20 06 0008
205 007 10	20 07 0004
205 110 00	11 06 0006
205 110 01	08 06 0005
240 063 05	20 09 0796
240 700 05	11 09 0831
240 740 20	20 09 0795
240 740 41	11 09 0210
313 032 17	08 02 0881
313 032 26	17 18 0940 (alt.)
386 036 00	20 03 0030
386 038 00	20 03 0127
386 060 31	08 03 0884 / 08 03 0599 (alt.) / 08 03 0249 (alt.)
386 060 35	20 03 0142 / 20 03 0901 (alt.)
386 060 40	11 03 0885 / 11 03 0588 (alt.) / 11 03 0247 (alt.)
386 060 74	08 08 0027
386 094 10	20 03 0142
386 100 15	22 08 0257