

La-Pha-Pack®

Werner Reifferscheidt GmbH

Consumables for Waters



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PP MICRO-VIALS ND9 + ND11



Consumables for Waters

Waters Alliance®
Alliance® 2690/2695
Alliance® 2790/2795
ACQUITY UPLC™
Waters Alliance® HT System

MICROLITER ND9 + ND11



Short Thread ND9									
1:1 Drawings									
LPP Art.-No.	11 09 0500 (11 09 1241)	11 09 0519	11 09 0520 (11 09 1242)	11 19 1205	11 19 1516	11 09 0999	11 09 0620	11 14 1189	
See Waters Art.-No.	186000273 (186000273DV)		186000848 (186000848DV)	Alt. 186002634		186002804	186002802		
LPP Art.-Description	1.5ml Short Thread Vial, 32 x 11.6mm, clear glass, 1" hydrol. class, wide opening (SILANIZED)	1.5ml Short Thread Vial, 32 x 11.6mm, clear glass, 1" hydrol. class, wide opening, label + filling lines	1.5ml Short Thread Vial, 32 x 11.6mm, amber glass, 1" hydrol. class, wide opening, label + filling lines (SILANIZED)	1.5ml Short Thread Vial, 32 x 11.6mm, transp., with filling lines, (slightly konkave interior bottom shape)	1.5ml Polypropylene Short Thread Vial, 32 x 11.6mm, amber, with filling lines, (slightly konkave interior bottom shape)	Short Thread Vial with integrated 0.2ml Micro-Insert, clear glass, 1" hydrol. class, label + filling lines	1.1ml Micro-Insert Short Thread Vial ND9, 32 x 11.6mm, clear glass, 1" hydrol. class	TPX Short Thread Vial ND9, 32 x 11.6mm, with integrated 0.2ml Glass Micro-Insert	Top Serr™ Micro-Insert
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PE-Bag	100 pieces per PE-Bag	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box

Crimp Neck ND11					PP Vials ND9 + ND11			
1:1 Drawings								
LPP Art.-No.	11 09 0356	11 09 0476	11 09 0477	11 09 0921	11 09 0619	11 14 1190	11 19 0932	11 19 0933
See Waters Art.-No.	WAT094222		WAT094223				186002626	186002628
LPP Art.-Description	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	Crimp Neck Vial with integrated 0.2ml Micro-Insert, clear glass, 1" hydrol. class, label + filling lines	1.1ml Microliter Crimp Neck Vial ND11, 32 x 11.6mm, clear glass, 1" hydrol. class	Top Serr™ TPX Snap Ring Vial ND11, 32 x 11.6mm, with integrated 0.2ml Glass Micro-Insert	0.3ml Polypropylene Short Thread Micro-Vial ND9, 32 x 11.6mm, transparent (also available in TPX or amber PP)	0.3ml Polypropylene Snap Ring Micro-Vial ND9, 32 x 11.6mm, transparent (also available in TPX or amber PP)
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 PE-Bag	100 pieces per PE-Bag

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Waters Alliance® HT System



Snap Ring ND11 (rec. for GPC)				Screw Neck ND10		
1:1 Drawings						
LPP Art.-No.	11 09 0627	11 09 0644	11 09 0645	11 14 1190	10 09 0743	10 09 1196
See Waters Art.-No.	WAT094219		WAT094220	WAT063300		
LPP Art.-Description	1.5ml Snap Ring Vial, 32 x 11.6mm, clear glass, 1" hydrof. class, wide opening	1.5ml Snap Ring Vial, 32 x 11.6mm, clear glass, 1" hydrof. class, wide opening, label + filling lines	1.5ml Snap Ring Vial, 32 x 11.6mm, amber glass, 1" hydrof. class, wide opening, label + filling lines	TopSert™ TPX Snap Ring Vial ND11, 32 x 11.6mm, with integrated 0.2ml Glass Micro-Insert	1.5ml Screw Neck Vial ND10, 32 x 11.6mm, clear glass, 1" hydrof. class, wide opening, label + filling lines	1.5ml Screw Neck Vial ND10, 32 x 11.6mm, clear glass, 1" hydrof. class, wide opening, 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

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

1:1 Drawings					
LPP Art.-No.	06 09 0357	06 09 0669	06 09 0866	06 09 0865 (06 09 1343)	06 09 1240
See Waters Art.-No.	WAT094170 (WAT094170DV)				
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	0.1ml Micro-Insert, 31 x 6mm, clear glass, flat bottom	0.1ml Micro-Insert, 29 x 5.7mm, clear glass, with assembled plastic spring (SILANIZED)	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

Crimpers

11 06 0006	11 07 0002
PSL904301	
11mm Crimper	11mm Decapper
1 piece per PP-Box	1 piece per PP-Box



Vial Racks

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

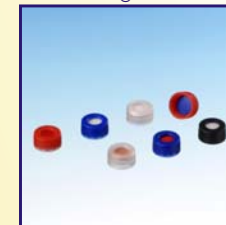


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Seals for Short Thread ND9 (with assembled Septum)

09 15 0982		9mm PP Short Thread Cap, blue, centre hole;	PTFE virginial, 53° shore D, 0.2mm
09 15 0867		9mm PP Short Thread Cap, blue, centre hole;	Natural Rubber red-orange/TEF transp., 60° shore A, 1.0mm
09 15 0838	alt. 186000274	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	alt. 186000305	9mm PP Short Thread Cap, blue, centre hole;	Silicone white/PTFE blue, with slit, 55° shore A, 1.0mm
09 04 1220	alt. 186000274	9mm UltraBond™ Seal: PP Short Thread Cap, black, centre hole;	Silicone white/PTFE red, 45° shore A, 1.3mm
09 04 1533	186000274	9mm UltraBond™ Seal: PP Short Thread Cap, blue, centre hole;	Silicone white/PTFE beige, 45° shore A, 1.3mm
09 04 1534	186000305	9mm UltraBond™ Seal: PP Short Thread Cap, blue, centre hole;	Silicone white/PTFE beige, with slit, 45° shore A, 1.3mm

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

Seals for Crimp Neck ND11 (with assembled Septum)

11 03 0300	PSL412115	11mm Alu. Crimp Cap, clear lacquered, centre hole;	Natural Rubber red-orange/Butyl red/TEF transp., 45° shore A, 1.0mm
11 03 0209		11mm Alu. Crimp Cap, clear lacquered, centre hole;	Natural Rubber red-orange/TEF transparent, 60° shore A, 1.0mm
11 03 0339	PSL408027	11mm Alu. Crimp Cap, clear lacquered, centre hole;	PTFE virginial, 53° shore A, 0.25mm with roll groove;
11 03 0247	PSL404219	11mm Alu. Crimp Cap, clear lacquered, centre hole;	UltraClean Silicone white/PTFE red, 45° shore A, 1.3mm
11 03 0196	PSL404231	11mm Alu. Crimp Cap, clear lacquered, centre hole;	PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
11 03 0464		11mm Alu. Crimp Cap, clear lacquered, centre hole;	Silicone white/PTFE blue, cross-slitted, 55° shore A, 1.5mm

Further 11mm Aluminium Crimp Seals with different Septa or with Crimp Caps in different colours are available!
Packaging Unit: 100 pieces per PE-Bag

Seals for Snap Ring ND11 (with assembled Septum)

11 15 1151	186000303 (alt.)	11mm PE Snap Ring Cap, blue, centre hole;	UltraClean Silicone white/PTFE red, 45° shore A, 1.3mm
11 15 1325	186002650 (alt.)	11mm PE Snap Ring Cap, red, centre hole;	UltraClean Silicone white/PTFE red, 45° shore A, 1.3mm
11 15 1269	186000304 (alt.)	11mm PE Snap Ring Cap, blue, centre hole;	Silicone white/PTFE blue, cross-slitted, 55° shore A, 1.0mm
11 15 1326	186002647 (alt.)	11mm PE Snap Ring Cap, red, centre hole;	Silicone white/PTFE blue, cross-slitted, 55° shore A, 1.0mm

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

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We can also supply barcode labelled or pre-sealed vials!

Seals for Screw Neck ND10 (with assembled Septum)

10 15 1256	10mm PP Screw Cap, black, centre hole;	Natural Rubber red-orange/TEF transparent, 60° shore A, 1.3mm
10 15 1257	10mm PP Screw Cap, black, centre hole;	UltraClean Silicone white/PTFE red, 45° shore A, 1.3mm
10 15 0744	10mm PP Screw Cap, black, centre hole;	Silicone white/PTFE beige, 45° shore A, 1.5mm
10 15 1328	10mm PP Screw Cap, black, centre hole;	Silicone white/PTFE blue, with slit, 55° shore A, 1.5mm
10 15 1258	10mm PP Screw Cap, black, centre hole;	PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
10 08 0742	10mm PP Screw Cap, black, centre hole;	
09 02 0723	9mm Septa: Silicone white/PTFE beige, 45° shore A, 1.5mm	
Packaging Unit: 100 pieces per PE-Bag (Seals + Screw Caps); 1000 pieces per PE-Bag (Septa)		

Shell Vials for WATERS WISP

Shell Vials, 1ml 96-Position Carousel			Shell Vials, 4ml 48-Position Carousel			
1:1 Drawings						
LPP Art.-No.	08 14 0513*	08 14 0595*	05 09 0706	15 14 0548	15 14 0562	
See Waters	WAT025054C	WAT025053C	alt. WAT072294	WAT025051	WAT025050	
Art.-No.			WAT072294			
LPP Art.-Description	1.0ml Shell Vial, 40 x 8.2mm, clear glass, 8mm PE-Plug, transparent, insertion barrier	1.0ml Shell Vial, 40 x 8.2mm, amber glass, 8mm PE-Plug, transparent, insertion barrier	0.1ml Micro-Insert, 34 x 5mm, clear glass, 13mm top	4.0ml Shell Vial, 44.5 x 14.65mm, clear glass, 15mm PE-Plug, transparent	4.0ml Shell Vial, 44.5 x 14.65mm, amber glass, 15mm PE-Plug, transparent	0.3ml Micro-Insert, 43.45 x 6mm, clear glass, 13mm top
LPP Packaging Unit	100 pieces per PP-Box (Vials) 100 pieces per PE-Bag (Plugs)	10 x 100 pieces per PP-Box	10 x 100 pieces per PP-Box	100 pieces per PP-Box (Vials) 100 pieces per PE-Bag (Plugs)	10 x 100 pieces per PP-Box	

*: alternatively available with a PE-Plug without insertion barrier for the Micro-Insert (==> 08 14 1168 resp. 08 14 1169). Thus the plug is not as sturdy and penetration and valve effect are further improved.

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Consumables for Waters

Waters WISP
GPC 2000
Waters 717



Screw Neck ND13 48-Position Carousel					
1:1 Drawings					
LPP Art.-No.	13 09 0222	13 09 1335	13 09 0280	13 09 1336	40 09 0146
See Waters	186000840	186001135	186001135	186001135	WAT015199
Art.-No.	PSL407498	PSL407498	PSL407499	PSL407499	WAT072708
LPP Art.-Description	4ml Screw Neck Vial, 45 x 14.7mm, clear glass, 1" hydrol. class	4ml Screw Neck Vial, 45 x 14.7mm, clear glass, 1" hydrol. Class, label + filling lines	4ml Screw Neck Vial, 45 x 14.7mm, amber glass, 1" hydrol. class	4ml Screw Neck Vial, 45 x 14.7mm, amber glass, 1" hydrol. Class, label + filling lines	0.3ml Micro-Insert, 40 x 6mm, clear glass, 15mm top
LPP Packaging Unit	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	100 pieces per PP-Box	10 x 100 pieces per PP-Box
					50 Spring 50 x 7.5mm For Micro-Insert 40 09 0146

Seals for Screw Neck ND13 (with assembled Septum)

13 15 0456	PSL410208	13mm PP Screw Cap, black, centre hole; Natural Rubber red-orange/TEF transp., 60° shore A, 1.3mm
13 15 0439	PSL410408	13mm PP Screw Cap, black, closed top; Natural Rubber red-orange/TEF transp., 60° shore A, 1.3mm
13 15 0815	alt. 186000841	13mm PP Screw Cap, black, centre hole; Silicone cream/PTFE red, 55° shore A, 1.5mm
13 15 0292		13mm PP Screw Cap, black, centre hole; PTFE red/Silicone white/PTFE red, 45° shore A, 1.0mm
13 15 1293	alt. 186000842	13mm PP Screw Cap, black, centre hole; Silicone white/PTFE blue, cross-slitted, 55° shore A, 1.5mm
13 08 0166	600000162	13mm PP Screw Cap, black, centre hole;
12 02 0168	alt. WAT072711 (144 pcs.) WAT073005 (1440 pcs.) WAT072714 (144 pcs.)	12mm Septa: PTFE virginal, 53° shore D, 0.25mm
Further 13mm Srew Seals with different Septa resp. with closed top caps are available! Packaging Unit: 100 pieces per PE-Bag (Seals) 100 pieces per PE-Bag (Caps); 1,000 pieces per PE-Bag (Lines)		

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