



Lancer Washing Accessories:

Lancer Washers

With over 40 years of experience, Lancer is the industry leader in washing equipment. Providing glassware washers to the technological marketplace, Lancer offers a solution to suit any cleaning application. Lancer Glassware washers range from undercounters to free-standing units with varying capacities to suit any wash load.

A variety of racks and accessories are available to accommodate all types of glassware and laboratory items. This brochure provides a comprehensive listing of accessories as well as rack placement guides to provide the information you need to choose the right accessory based on your glassware loads and wash cycle needs.

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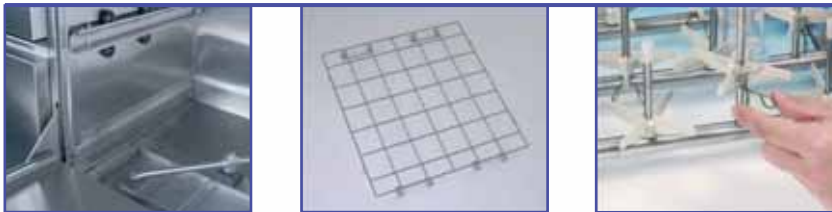
Washing Accessories (1700 LXA)10

Lancer offers the widest range of washers and accessories. If you have any questions or for further details please contact a **Lancer Sales Representative** at **(800)332-1855** or visit our website at **www.lancer.com**.

Lancer Glassware Washers:

User Friendly Loading Systems

- ❑ **Telescopic Rails:** baskets are mounted on fully load bearing rails in the extended position allowing for ease of loading and unloading of glassware.
- ❑ **Glassware Height Adjustment:** adjustable star feet allow for various heights of glassware to be washed in the same load. Glassware is placed at the right position to obtain optimum cleaning and drying results.
- ❑ **Customized Grids:** adjustable and fixed support grids are available to optimize load patterns.



Interchangeable Accessories

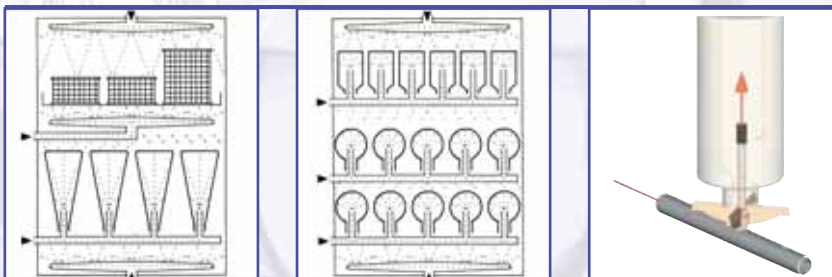
- ❑ Utilizing the independent water connections at each level allows for baskets to be interchanged among levels, reducing the number of required accessories.
- ❑ The 910 LX, 1300 LX, 1400 LXP, 1600 LXP, 1700 LXA and 1800 LXA washers are equipped with an additional water connection, allowing for placement of accessories at the required height depending on load configuration.



Flexibility: 910 LX chamber shown with two accessories in three different loading configurations.

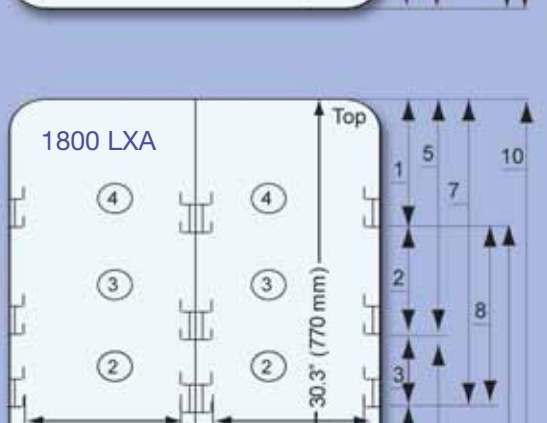
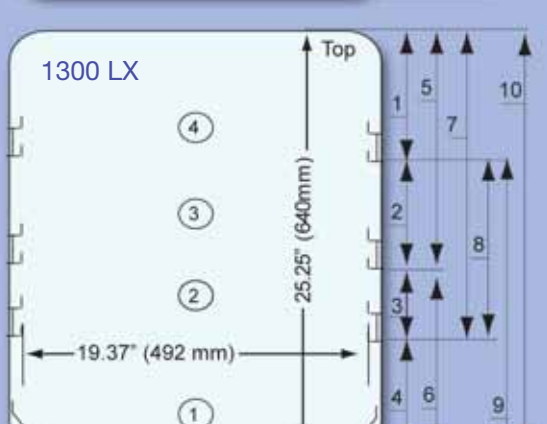
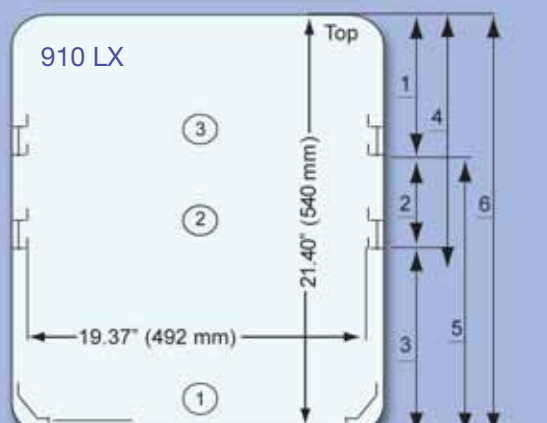
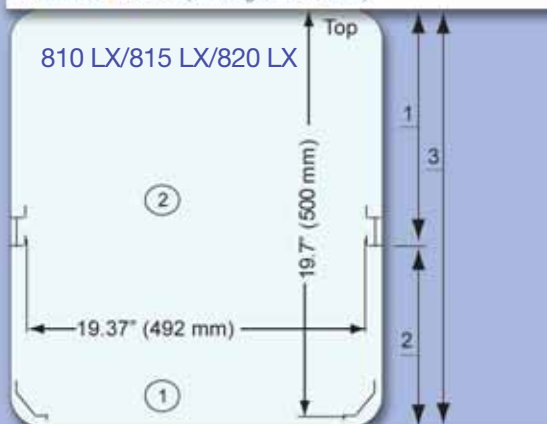
Powerful Glassware Cleaning and Drying

- ❑ Top and bottom spray arms ensure accurate cleaning of the outside surfaces of the glassware.
- ❑ Independent water connections on each level guarantee optimal water pressure for cleaning the internal surfaces of the glassware.
- ❑ **Direction Injection Drying:** hot air is directed through rack injectors and circulated throughout the washer chamber to ensure rapid drying of the glassware. (On models equipped with injection drying.)



Chamber views (drawings not to scale):

Avail. height by rack position:



PST PSBT IXL IXC

1	6.7" 170	7.5" 190	7.7" 195
2	9" 230	6.9" 175	7.1" 181
3	18.9" 480	16.7" 425	

1	3" 75		5" 126
2			
3	8.3" 210	5.9" 150	6.5" 166
4	7.7" 195	9" 230	
5	13" 330	10.6" 270	
6	20.5" 520	18.1" 460	

1	3" 75		5" 126
2			
3	8.3" 210	5.9" 150	6.5" 166
4	7.7" 195	9" 230	
5	13" 330	10.6" 270	
6	20.5" 520	18.1" 460	
7	13.1" 335	14.5" 370	
8	2.9" 75	4.9" 126	
9	14.1" 360	11.8" 300	
10	24.4" 620	22" 560	

1	7.09" 180	9.06" 230	9.29" 236
2			3.35" 85
3			
4	9.06" 230		7.09" 180
5	12.99" 330	14.96" 380	
6	11.8" 300	9.84" 250	
7	15.75" 400	17.72" 450	
8	3.94" 100		6.14" 156
9	17.72" 450	15.75" 400	
10	29.5" 750	27.56" 700	

Injector Racks:

Items Washed:

small narrow neck glassware, bottles, cylinders, boiling flasks, erlenmeyer flasks, volumetric flasks



Short Injectors (IXA/IXC)

Available Accessories:

2 mm diameter

- 48 IXA-48 jets
- 64 IXA-64 jets
- 100 IXA-100 jets

2 mm & 6 mm diameter

- 64 IXA/2-64 jets
- 100 IXA/2-100 jets

8 mm diameter

- 27 IXC 1/2-half rack 27 jets
- 36 IXC-36 jets
- 41 IXC-41 jets
- 48 IXC-48 jets
- 100 IXC-100 jets

IXC Rack



Short and Long Injectors (IXLC)

Available Accessories:

6 mm diameter

- 36 IXLC-36 jets
- 48 IXLC-48 jets
- 64 IXLC-64 jets
- 100 IXLC-100 jets

IXLC Rack



Long Injectors (IXL)

Available Accessories:

6 mm diameter

- 20 IXL D6-20 jets



Long Injectors (IXL) ~cont~

8 mm diameter

- ❑ 20 IXL-20 jets
- ❑ 36 IXL-36 jets
- ❑ 48 IXL-48 jets
- ❑ 64 IXL-64 jets

Covers

Available Accessories:

- ❑ GCI-Cover for injector racks
- ❑ GCI 1/2-Half cover for injector racks

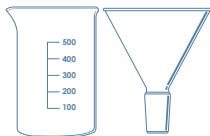
GCI Cover



Basic Baskets:

Items Washed:

beakers, cones, trays, dishes, dissolution vessels, reaction flasks, funnels, instruments, jars



Available Accessories:

- ❑ PST-Basic basket
- ❑ PSBT-Basic basket with spray arm

PST Basket



Covers

Available Accessories:

- ❑ GC-Cover for PST/PSBT
- ❑ GC 1/2-Half cover for PST/PSBT

Small Mesh Baskets:

Items Washed:

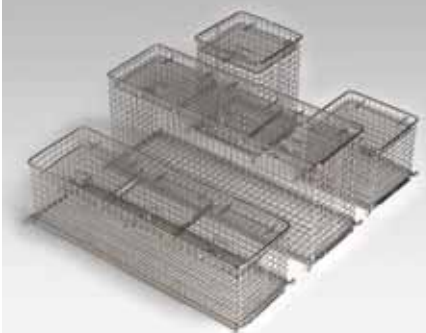
bottle caps, ferrules, plugs, stoppers, test tubes



Available Accessories:

- ❑ STC | STC 1/3-short basket (w/cover)
- ❑ LTC | LTC 1/3-tall basket (w/cover)
- ❑ PPM-fine mesh for small items (attached cover) 122 x134x93 mm
- ❑ PPM 80-fine mesh for small items (attached cover) 80 x80 x34 mm

Small Baskets -LTC/STC



Base Cabinets:

Usage:

Stainless steel base cabinet for undercounter washers only.

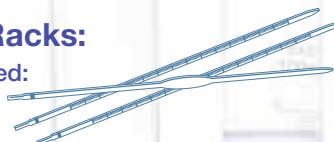
Available Accessories:

- ❑ CAPN 81LX-stainless steel plinth for 810 LX/815 LX
- ❑ CAPN 82LX-stainless steel plinth for 820 LX

Pipette Racks:

Items Washed:

pipettes



Available Accessories:

- ❑ 100 PIP-grommet style
- ❑ PPI 2B/4B-canister style

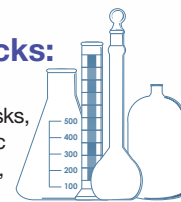
Pipette Rack - PIP Style



Multipurpose Racks:

Items Washed:

bottles, cylinders, boiling flasks, erlenmeyer flasks, volumetric flasks, beakers, cones, trays, dishes, dissolution vessels, reaction flasks, funnels, instruments, jars



Available Accessories:

- ❑ PS/27 IXLC-1/2 PST basket|27 short & long jets
- ❑ 25 PIP/30 IXLC-25 pipettes|30 short & long jets
- ❑ 4 EP/25 IXLC-4 vol flasks|25 short & long jets
- ❑ 50PIP/34 IXLC-50 pipettes |34 short & long jets
- ❑ PS/21 IXLC/25 PIP-PS|21 short & long jets|25 pipettes

Injector|Basic Basket Combo Rack



Other Applications:

Items Washed:

thin plates, culture dishes, watch glasses



Available Accessories:

- ❑ 20 PL-Basket for thin plates
- ❑ BP-Basket for culture dishes
- ❑ SSC | SSL-Supports
- ❑ VM 1/3-1/3 basket for watch glasses

BP Rack



Storage / Transport:

Usage:

Storage and transport of

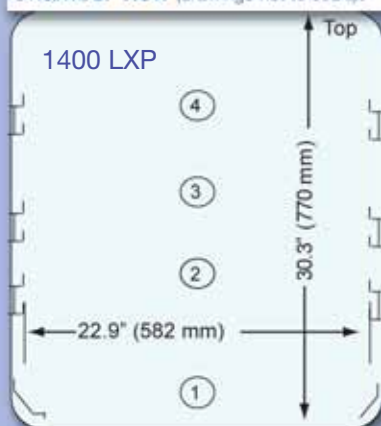
Available Accessories:

- ❑ RP-Stand to hold 5 racks
- ❑ TN 910LX-Two level trolley for 910 LX
- ❑ TN 13LX-Three level trolley for 1300 LX
- ❑ TC 1800-Loading table for 1800 LX

Washing Accessories for models:
1400 LXP



Chamber view (drawings not to scale):



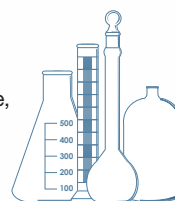
Avail. height by rack position:

	PST	PSBT	IXL	IXC
1	7.09" 180	9.06" 230	9.29" 236	
2			3.35" 85	
3				
4	9.06" 230		7.09" 180	
5		12.99" 330	14.96" 380	
6	11.8" 300		9.84" 250	
7		15.75" 400	17.72" 450	
8		3.94" 100		8.14" 156
9	17.72" 450		15.75" 400	
10	29.5" 750		27.56" 700	

Injector Racks:

Items Washed:

small narrow neck glassware,
bottles, cylinders, boiling
flasks, erlenmeyer
flasks, volumetric flasks



Short Injectors (IXA/IXC)

Available Accessories:

2 mm diameter

- 81 IXA 14 LXP-81 jets
- 100 IXA 14 LXP-100 jets

2 mm & 6 mm diameter

- 64 IXA/2 14 LXP-64 jets
- 81 IXA/2 14 LXP-81 jets
- 100 IXA/2 14 LXP-100 jets

8 mm diameter

- 48 IXC 14 LXP-48 jets
- 64 IXC 14 LXP-64 jets
- 81 IXC 14 LXP-81 jets
- 100 IXC 14 LXP-100 jets

IXC Rack



Short and Long Injectors (IXLC)

Available Accessories:

6 mm diameter

- 32 IXLC 1/2 14 LXP- half rack 32 jets
- 36 IXLC 14 LXP--36 jets
- 48 IXLC 14 LXP--48 jets
- 64 IXLC 14 LXP--64 jets
- 81 IXLC 14 LXP--81 jets

IXLC Rack



Long Injectors (IXL)

Available Accessories:

8 mm diameter

- 4 IXL 14 LXP-4 jets
- 9 IXL 14 LXP-9 jets



Long Injectors (IXL) ~cont~

- ❑ 24 IXL 14 LXP-24 jets
- ❑ 36 IXL 14 LXP-36 jets
- ❑ 48 IXL 14 LXP-48 jets
- ❑ 64 IXL 14 LXP-64 jets

IXL Rack



Covers

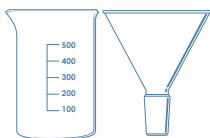
Available Accessories:

- ❑ GCI 14 LXP-Cover for injector racks
- ❑ GCI 1/2 14 LXP-Half cover for injector racks

Basic Baskets:

Items Washed:

beakers, cones,
trays, dishes,
dissolution vessels,
reaction flasks,
funnels, instruments, jars



Available Accessories:

- ❑ PST 14 LXP-Basic basket
- ❑ PSBT 14 LXP-Basic basket w/ spray arm

PSBT Basket

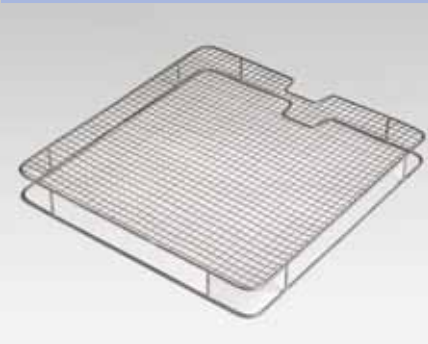


Covers

Available Accessories:

- ❑ GC 14 LXP-Cover for PST/PSBT
- ❑ GC 1/2 14 LXP-Half cover for PST/PSBT

GC Cover



Small Mesh Baskets:

Items Washed:

bottle caps, ferrules, plugs, stoppers,
test tubes



Available Accessories:

- ❑ STC | STC 1/3-short basket (w/cover)
- ❑ LTC | LTC 1/3-tall basket (w/cover)

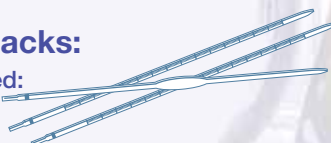
Small Baskets -LTC/STC



Pipette Racks:

Items Washed:

pipettes



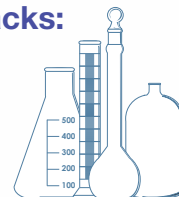
Available Accessories:

- ❑ 124 PIP 14LXP-grommet style
- ❑ PPI 4B-canister style

Multipurpose Racks:

Items Washed:

bottles, cylinders, boiling
flasks, erlenmeyer flasks,
volumetric flasks, beakers,
cones, trays, dishes,
dissolution vessels,
reaction flasks, funnels,
instruments, jars



Available Accessories:

- ❑ PS/32 IXLC 14 LXP-PST|32 long & short jets
- ❑ 31 PIP/25 IXLC 14 LXP-31 pipettes| 25 long & short jets
- ❑ 4 EP/24 IXLC 14 LXP-4 vol flasks| 24 long & short jets

Pipette|Injector Combo Rack



Other Applications:

Items Washed and Supports:

culture, various glassware



Available Accessories:

- ❑ BP 14 LXP-Basket for culture dishes
- ❑ SSC 14 LXP|SSL 14 LXP-Supports
- ❑ SSC 1/3 14 LXP|SSL 1/3 14 LXP- 1/3 PST supports
- ❑ Adjustable grids-Custom grid to support various glassware sizes

Storage / Transport:

Usage:

Storage and transport of

Available Accessories:

- ❑ RP 14 LXP-Stand to hold 5 racks
- ❑ TN 14 LXP-3 level trolley

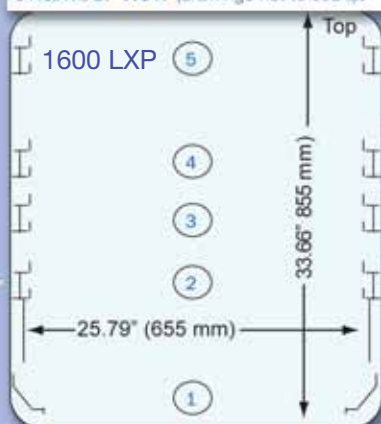
Trolley



Washing Accessories for models:
1600 LXP



Chamber view (drawings not to scale):



Avail. height by rack position:

PST PSBT IXL IXC

1	2.95° 75	5.15° 131
2	2.99° 76	5.2° 132
3		
4		2.55° 65
5	8.11° 206	5.98° 152
6	10.66° 271	12.24° 311
7	17.24° 438	15.11° 384
8	15.31° 389	16.88° 429
9	13.18° 335	11.06° 281
10		22.83° 580
11	7.05° 179	8.62° 219
12	12.12° 308	13.70° 348
13	4.40° 112	5.98° 152
14	19.80° 503	21.37° 543
15	32.63° 829	30.51° 775

Injector Racks:

Items Washed:

small narrow neck glassware, bottles, cylinders, boiling flasks, erlenmeyer flasks, volumetric flasks



Short Injectors (IXA/IXC)

Available Accessories:

2 mm diameter

- 100 IXA 16-100 jets
- 144 IXA 16-144 jets

2 mm & 6 mm diameter

- 100 IXA/2 16-100 jets
- 144 IXA/2 16-144 jets

8 mm diameter

- 36 IXC 16-36 jets
- 64 IXC 16-64 jets
- 80 IXC 16-80 jets
- 100 IXC 16-100 jets
- 144 IXC 16-144 jets

IXC Rack



Short and Long Injectors (IXLC)

Available Accessories:

6 mm diameter

- 36 IXLC 16-36 jets
- 64 IXLC 16-64 jets
- 80 IXLC 16-80 jets
- 100 IXLC 16-100 jets

IXLC Rack



Long Injectors (IXL)

Available Accessories:

6 mm diameter

- 36 IXL 16 D6-36 jets



Long Injectors (IXL) ~cont~

8 mm diameter

- ❑ 36 IXL 16-36 jets
- ❑ 64 IXL 16-64 jets
- ❑ 80 IXL 16-80 jets
- ❑ 100 IXL 16-100 jets

IXL Rack



Covers

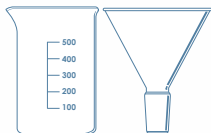
Available Accessories:

- ❑ GCI 16-Cover for injector racks

Basic Baskets:

Items Washed:

beakers, cones,
trays, dishes,
dissolution vessels,
reaction flasks,
funnels, instruments, jars



Available Accessories:

- ❑ PST 16-Basic basket
- ❑ PSBT 16-Basic basket w/ spray arm

PSBT Basket with small baskets

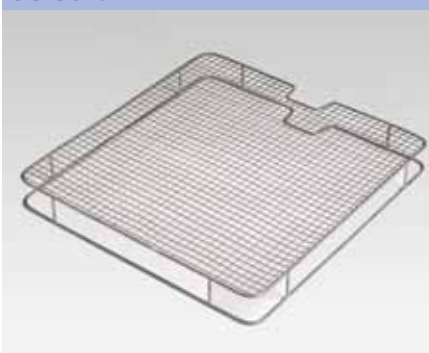


Covers

Available Accessories:

- ❑ GC 16-Cover for PST/PSBT

GC Cover



Small Mesh Baskets:

Items Washed:

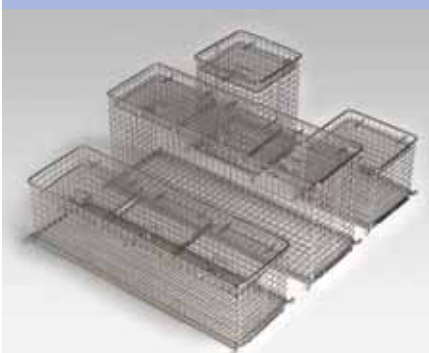
bottle caps, ferrules, plugs,
stoppers, test tubes



Available Accessories:

- ❑ STC | STC 1/3-short basket (w/cover)
- ❑ LTC | LTC 1/3-tall basket (w/cover)

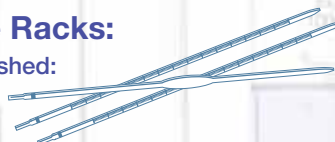
Small Baskets -LTC/STC



Pipette Racks:

Items Washed:

pipettes



Available Accessories:

- ❑ 105 PIP 16-grommet style
- ❑ 210 PIP 16-grommet style

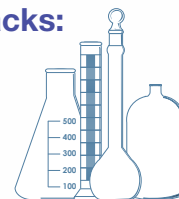
Pipette Rack - PIP Style



Multipurpose Racks:

Items Washed:

bottles, cylinders, boiling
flasks, erlenmeyer flasks,
volumetric flasks, beakers,
cones, trays, dishes,
dissolution vessels,
reaction flasks, funnels,
instruments, jars



Available Accessories:

- ❑ PIB 64 IXC 16-64 short jets with
spray arm

Other Applications:

Items Washed and Supports:

culture, various glassware



Available Accessories:

- ❑ BP 16-basket for culture dishes
- ❑ SSC 16|SSL 16-supports
- ❑ SSC 1/3 16|SSL 1/3 16-
1/3 PST supports
- ❑ VM 1/3 16-1/3 basket for watch glasses
- ❑ Adjustable grids-custom grid to
support various glassware sizes

BP Rack



Storage / Transport:

Usage:

Storage and transport of

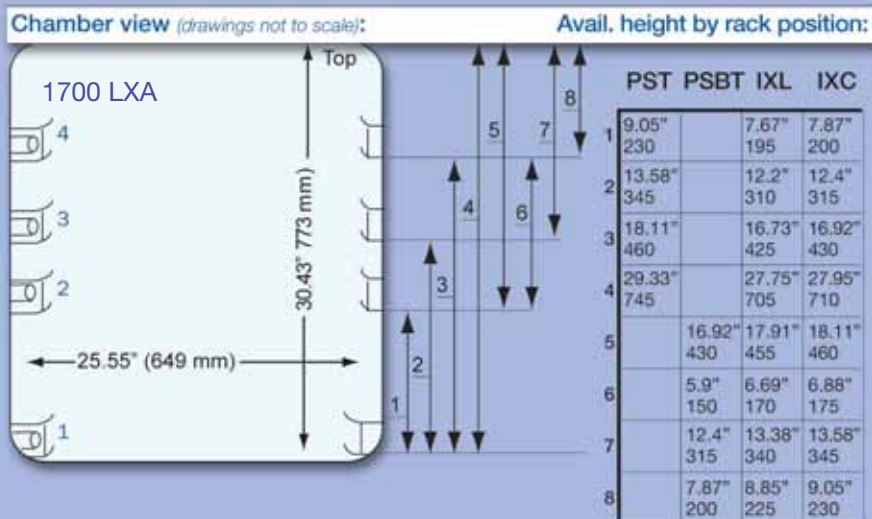
Available Accessories:

- ❑ RP 16-Stand to hold 5 racks
- ❑ TN 16 LXP-4 level trolley

Trolley



Washing Accessories for models:
1700 LXA



Injector Racks:

Items Washed:

small narrow neck glassware,
bottles, cylinders, boiling
flasks, erlenmeyer
flasks, volumetric flasks



Short Injectors (IXA/IXC)

Available Accessories:

2 mm diameter

- ☐ 80 IXA 17 LXA-80 jets
- ☐ 99 IXA 17 LXA-99 jets

2 mm & 6 mm diameter

- ☐ 80 IXA/2 17 LXA-80 jets
- ☐ 99 IXA/2 17 LXA-99 jets

8 mm diameter

- ☐ 30 IXC 17 LXA-30 jets
- ☐ 42 IXC 17 LXA-42 jets
- ☐ 56 IXC 17 LXA-56 jets
- ☐ 80 IXC 17 LXA-80 jets
- ☐ 99 IXC 17 LXA-99 jets

IXC Rack



Short and Long Injectors (IXLC)

Available Accessories:

6 mm diameter

- ☐ 24 IXLC 1/2 17 LXA-Half rack 24 jets
- ☐ 56 IXLC 17 LXA-56 jets
- ☐ 80 IXLC 17 LXA-80 jets
- ☐ 99 IXLC 17 LXA-99 jets

IXLC Rack



Long Injectors (IXL)

Available Accessories:

6 mm diameter

- ☐ 30 IXL6 17 LXA-30 jets
- ☐ 42 IXL6 17 LXA-42 jets



Long Injectors (IXL) ~cont~

8 mm diameter

- ❑ 6 IXL 17 LXA-6 jets
- ❑ 9 IXL 17 LXA-9 jets
- ❑ 20 IXL 17 LXA-20 jets
- ❑ 30 IXL 17 LXA-30 jets
- ❑ 42 IXL 17 LXA-42 jets
- ❑ 56 IXL 17 LXA-56 jets
- ❑ 80 IXL 17 LXA-80 jets
- ❑ 99 IXL 17 LXA-99 jets

12 mm diameter

- ❑ 1 IXL 17 LXA-1 jets
- ❑ 2 IXL 17 LXA-2 jets
- ❑ 4 IXL 17 LXA-4 jets

Covers

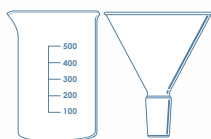
Available Accessories:

- ❑ GCI 17 LXA-Cover for injector racks
- ❑ GCI 1/2 17 LXA-Half cover for injector racks

Basic Baskets:

Items Washed:

beakers, cones, trays, dishes, dissolution vessels, reaction flasks, funnels, instruments, jars



Available Accessories:

- ❑ PST 17 LXA-Basic basket
- ❑ PSBT 17 LXA-Basic basket w/ spray arm
- ❑ PSBT 1/2 17 LXA-Half basic basket w/ spray arm

PSBT Basket with small baskets



Covers

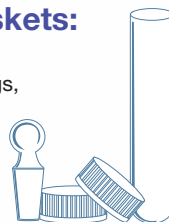
Available Accessories:

- ❑ GC 17 LXA-Cover for PST/PSBT
- ❑ GC 1/2 17 LXA-Half cover for PST/PSBT

Small Mesh Baskets:

Items Washed:

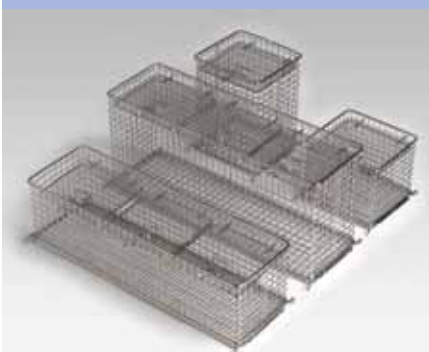
bottle caps, ferrules, plugs, stoppers, test tubes



Available Accessories:

- ❑ STC | STC 1/3-short basket (w/cover)
- ❑ LTC | LTC 1/3-tall basket (w/cover)

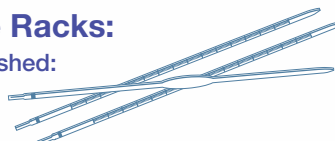
Small Baskets -LTC/STC



Pipette Racks:

Items Washed:

pipettes



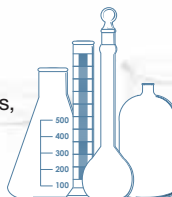
Available Accessories:

- ❑ PPI 4B 17 LXA-canister style

Multipurpose Racks:

Items Washed:

bottles, cylinders, boiling flasks, erlenmeyer flasks, volumetric flasks, beakers, cones, trays, dishes, dissolution vessels, reaction flasks, funnels, instruments, jars



Available Accessories:

- ❑ PS/40 IXC 17 LXA-Basic basket|40 short jets
- ❑ PS/40 IXLC 17 LXA-Basic basket|40 short and long jets
- ❑ 100 PIP/1/2PS 17 LXA-100 hole pipette| Half basic basket

Pipette|Injector|Basket Combo Rack



Multipurpose Racks: ~cont~

- ❑ 25 PIP/30 IXLC/PS 17 LXA-25 pipettes| 30 short and long jets|Basic basket
- ❑ 50 PIP/30 IXLC 17 LXA-50 pipettes|30 short and long jets
- ❑ 4 EP/30 IXLC 17 LXA-4 vol flasks|30 short and long jets
- ❑ 4 EP/1/2 PS 17 LXA-4 vol flasks|Half basic basket
- ❑ 8 EP/1/2 PS 17 LXA-8 vol flasks|Half basic basket
- ❑ 12 EP/1/2 PS 17 LXA-12 vol flasks|Half basic basket
- ❑ 16 EP 17 LXA-16 vol flasks

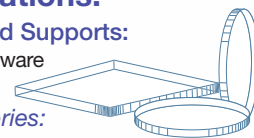
Pipette|Injector Combo Rack



Other Applications:

Items Washed and Supports:

culture, various glassware



Available Accessories:

- ❑ SSC 16|SSL 16-supports
- ❑ SSC 1/3 16|SSL 1/3 16-1/3 PST supports
- ❑ VM 1/3 PS-1/3 basket for watch glasses
- ❑ Adjustable grids-custom grid to support various glassware sizes

Storage / Transport:

Usage:

Storage and transport of

Available Accessories:

- ❑ RP 17 LXA-Stand to hold 5 racks
- ❑ TC 17 LXA-Loading table

RP - Rack Stand



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