

ReadyKart mobile processing station

READYTOPROCESS™

Configure fluid processing systems for product and process development or pilot manufacturing using ReadyKart mobile processing stations (Fig 1). Configure a wide range of sterile and disposable fluid processing systems when you use ReadyKart with Cytiva's ReadyToProcess™ components.

With ReadyKart mobile processing station you can:

- Save time with quick and convenient setup of fluid processing equipment and spend that time on what matters
- Integrate multi-step processes thanks to the ability to nest hose and tubing routing
- Support a wide range of fluid processing setups with available components and optional equipment

Optimize your process and your results

Why organize and optimize the placement of fluid processing components? Because it minimizes hold-up volumes and leads to better outcomes. Use ReadyKart mobile processing stations to support all the equipment you need to complete these processes:

- Aseptic clarification and purification of vaccines and monoclonal antibodies
- Aseptic cell processing
- Manufacturing of materials for preclinical through Phase II clinical trials
- Faster drug development processes

Simplify your work and improve efficiency

As is true with other ReadyToProcess™ equipment, ReadyKart simplifies your work and helps you to be more efficient. Organize the following fluid processing components on ReadyKart:

- Configurable and stackable shelves — support pumps, process sensor monitors, and trays and bins that hold processing bags
- Trays and bins — tilting trays hold and tilt pillow bags horizontally. Bins hold large 3D-bags. Both allow convenient routing of inlet and outlet port tubing



Fig 1. Standard size ReadyKart with ReadyCircuit™ assembly installed.

- Holders for bags and filters — adjustable-height bag holders hold pillow bags vertically. Filter holders support normal- and cross-flow filters attached with laboratory clamps. Bags and filters are held at convenient heights for easy setup and monitoring

Nest carts to form a system

You can nest ReadyKart mobile processing stations and thread tubing and cables through the ports in the blue plastic endplates to create inline, multistage processes that replicate real-world processing. Nesting and threading in this way minimizes holdup volumes and prevents accidental disconnecting of cable and tubing during processing.

Features to make your work easier

- Minimize maintenance and maximize service life thanks to the 304 stainless steel construction.
- Easily move ReadyKart even when fully loaded, because it has two 360-degree, heavy-duty casters. The cart fits through standard doors.
- Easily accommodate different bag styles and equipment configurations with bag holders that rotate in 90-degree increments
- Use any size pillow bags up to 20 L, including other commercially available bags, with height-adjustable bag holders
- Use bins that hold 100 and 200 L, 3D bags thanks to replaceable shelves with cutouts
- Gain control with push handles — on both ends of the standard size cart and on one end of the mini mobile processing station
- Restrict, shield, or easily access processing equipment through a removable plastic end plate, which includes six cable-tubing routing ports

Two sizes to meet your needs

ReadyKart mobile processing station is available in standard and mini sizes. Each size includes two configurations: (i) the base framework with wheels — add individual components to the base to meet your specific requirements; and (ii) a fully configured cart that includes the framework and components most users need for fluid processing applications.



Fig 2. Mini mobile processing station with additional shelving and ReadyCircuit™ components.

Materials of construction

- Frame: 304 stainless steel with M4 material finish, strip polished to 150 grit finish and chemically passivated
- Bins, trays, and shelves: naturally translucent polypropylene
- Rubber wheels and plastic endplate

Technical information and specifications

Mini mobile processing station

Product characteristics

Dimensions, assembled, (W × H × D)	78.4 × 97.8 × 71.1 cm (31 × 38.5 × 28 in)
Dimensions, assembled, with stackable shelves (W × H × D)	78.4 × 148.6 × 71.1 cm (31 × 58.5 × 28 in)
Height to top of filter rod holder	161.3 cm (63.5 in)
Height to top of bag holder when fully extended	167.6 cm (66 in)
Clearance (height) needed to install filter holder rod	176.5 cm (69.5 in)
Clearance (height) needed to install bag holder arm	190.5 cm (75 in)

Distance between shelves

Processing station bottom shelf and middle shelf	36.8 cm (14.4 in)
Processing station middle shelf and top shelf	35.6 cm (14 in)
Processing station top shelf and first shelf of stackable module	22.2 cm (8.75 in)
Stackable module first shelf and stackable module second shelf	22.2 cm (8.75 in)
Shipping weight of processing station frame	56.7 kg (125 lb)
Stackable shelf module weight	13.6 kg (30 lb)
Maximum net operating load, cart with stackable shelves	453 kg (1000 lb)
Maximum net operating load, cart only	340 kg (750 lb)
Maximum net operating load, stackable shelf unit only	113 kg (250 lb)

Standard mobile processing station

Product characteristics

Dimensions, assembled (W × H × D)	116.8 × 97.8 × 71.1 cm (46 × 38.5 × 28 in)
Dimensions, assembled, with shelves (W × H × D)	116.8 × 148.6 × 71.1 cm (46 × 58.5 × 28 in)
Height to top of filter rod holder	161.3 cm (63.5 in)
Height to top of bag holder when fully extended	167.6 cm (66 in)
Clearance (height) needed to install filter holder rod	176.5 cm (69.5 in)
Clearance (height) needed to install bag holder arm	190.5 cm (75 in)

Distance between shelves

Processing station bottom shelf and middle shelf	36.8 cm (14.4 in)
Processing station middle shelf and top shelf	35.6 cm (14 in)
Processing station top shelf and first shelf of stackable module	22.2 cm (8.75 in)
Stackable module first shelf and stackable module second shelf	22.2 cm (8.75 in)
Shipping weight if processing station frame	79.4 kg (175 lb)
Stackable shelf module weight	19.5 kg (43 lb)
Maximum net operating load, cart with stackable shelves	453 kg (1000 lb)
Maximum net operating load, cart only	340 kg (750 lb)
Maximum net operating load, stackable shelf unit only	113 kg (250 lb)

Ordering information

Product	Usage	Product code
ReadyKart standard, accessories and replacement parts		
ReadyKart with 3 shelves	Standard cart pre-configured with a bottom stainless steel shelf and 2 solid shelves, 2 arm clamp assemblies to hang bags, 2 hanging bag protectors and 1 filter holder rod and clamp assembly and 1 end panel	28977894
ReadyKart shelf no tank hole	Replacement part — Accessory for standard cart frame, up to 2 required depending on desired configuration	28977908
ReadyKart t-shelf with tank hole	Accessory, 2 required if using 200 L tank, 1 required if using 100 L tank	28977909
ReadyKart top shelf assembly	Accessory for standard cart added 2-shelf capability (transport to freezing, storage, cascading process train). When installed, unable to use filter holder rods.	28977899
ReadyKart mini, accessories and replacement parts		
ReadyKart mini with 3 shelves	Mini cart pre-configured with a bottom stainless steel shelf and 2 solid shelves, 1 arm clamp assembly to hang bags, 1 hanging bag protector and 1 filter holder rod and clamp assembly	28977897
ReadyKart mini shelf no tank hole	Replacement part — Accessory for mini cart frame, up to 2 required depending on desired configuration	28977910
ReadyKart mini shelf with tank hole	Accessory, 2 required if using 200 L tank, 1 required if using 100 L tank	28977913
ReadyKart mini top shelf assembly	Accessory for mini cart added 2-shelf capability (transport to freezing, storage, cascading process train). When installed, unable to use filter holder rods.	28977900
ReadyKart accessories that fit the standard and mini carts		
ReadyKart 200 L tank	Requires 2 shelves with tank holes. 28977909 on standard cart or 28977913 on the mini cart	28977903
ReadyKart 100 L tank	Requires 1 shelf with tank hole in the upper shelf of the cart. 28977909 on standard cart or 28977913 on the mini cart	28977904
ReadyKart 1 and standard tray	Accessory support, recommended for pillow bags and hanging bags used as pillow bags	28977905
ReadyKart 10, and 20 L tray	Accessory support, recommended for pillow bags and hanging bags used as pillow bags, can be mounted across width of carts	28977906
ReadyKart 50 L tray	Accessory support, recommended for 50 L pillow bags.	28977907
ReadyKart filter holder rod	Accessory required to hold filters vertical at cart corners, requires filter holder clamp or customer supplied equal. Cannot use if top shelf assembly in place.	28977902
ReadyKart filter holder clamp	Accessory required to hold filters vertical at cart corners, requires filter holder rod (should this be part of an assembly with the rod and also as a replacement part)	28977926
ReadyKart arm clamp assembly	Accessory required to hold hanging boat fitment bags, recommend hanging bag plate for added bag protection	28977901
ReadyKart hanging bag plate	Accessory recommended for protection of hanging bag that would rest against the arm clamp assembly	28977917
ReadyKart replacement parts		
ReadyKart tray lift assembly	Replacement part	28977922
ReadyKart arm clamp	Replacement part	28977923
ReadyKart arm glide insert	Replacement part	28977924
ReadyKart arm gas spring	Replacement part	28977918
ReadyKart arm glide locator	Replacement part	28977925
ReadyKart swivel lock caster	Replacement part	28977920
ReadyKart fixed caster	Replacement part	28977919
ReadyKart end panel	Replacement part	28977921

Related literature

Data files	Product code
ReadyCircuit™ bags and tubing assemblies	CY16885
ReadyKart mobile processing station	CY13665
ReadyToProcess™ hollow fiber cartridges	CY11887
ReadyToProcess™ ULTA™ normal flow filter capsules	CY14398
ReadyMate™ Disposable Aseptic Connectors	CY13447
Operating manuals	
ReadyCircuit™ bags, tubing assemblies, and filters	28960646
ReadyKart mobile processing station	28960647
ReadyToProcess™ hollow fiber cartridges	28922684
ReadyToProcess™ ULTA™ normal flow filter capsules	28960822
ReadyMate™ Disposable Aseptic Connectors	28938570
ReadyClamp	28940620
Quick reference guides	
ReadyCircuit™ components	28975067
ReadyKart mobile processing station	28975072
ReadyToProcess™ CFF cartridge	28977640



Fig 3. Two ReadyKart mobile processing stations: WAVE Bioreactor™ system and ReadyCircuit™ components installed.

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