

# ReadyKart mobile processing station

READYTOPROCESS

ReadyKart mobile processing stations (Fig 1) are suitable for configuring fluid processing systems for product and process development or pilot manufacturing. In addition, the use of Cytiva's ReadyToProcess™ components plus ReadyKart mobile processing stations allows you to configure a wide range of sterile and disposable fluid processing systems.

ReadyKart mobile processing station delivers:

- Quick and convenient setup of fluid processing equipment saving time and allowing users to do their best work
- Nesting capabilities with hose/tubing routing enabling integration of multi-step processes
- A wide range of fluid processing setups supported by available components and optional equipment

The ReadyKart mobile processing station is a configurable cart that mechanically supports and enhances the use of Cytiva's ReadyToProcess fluid processing products.

## Optimize your process and your results

Organizing and optimizing the placement of fluid processing components minimizes hold-up volumes and leads to better outcomes. ReadyKart mobile processing stations can support all the equipment that experienced scientists and engineers need to complete these processes:

- Aseptic clarification and purification of vaccines and monoclonals
- Aseptic cell processing
- Manufacturing of materials for preclinical through Phase II clinical trials
- Fast Trak™ drug development processes



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

## Versatile approach to fluid processing

Similar to other ReadyToProcess equipment, the ReadyKart offers versatility that simplifies your work and makes you more efficient. ReadyKart mobile processing stations accommodate and organize the following fluid processing components:

- 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
- Holders for bags and filters — adjustable-height bag holders hold pillow bag 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 to replicate real world processing. This capability also minimizes holdup volumes and prevents accidental disconnecting of cable and tubing during processing.

## Features to make your work easy

ReadyKart mobile processing stations are manufactured out of 304 stainless steel to minimize maintenance and provide long service life. Two 360-degree, heavy-duty casters make the cart easy to move even when fully loaded. The cart fits through standard doors. Other user-friendly features include:

- Bag holders rotate in 90-degree increments to accommodate bag style and equipment configuration
- Bag holders are height adjustable to accommodate any size pillow bags up to 20 L, including other commercially available bags
- Replaceable shelves with cutouts accept bins that hold 100 and 200 L, 3D-bags
- Push handles on both ends of the standard size cart provide control during transportation. The mini mobile processing station has a handle only at one end
- Removable plastic end plate restricts, shields, or allows access to processing equipment. Endplate 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 to which you add individual components 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	Code number
<b>ReadyKart standard, accessories and replacement parts</b>		
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	28-9778-94
ReadyKart frame for 3 shelves	Standard cart frame with a stainless steel bottom shelf will accept up to 2 removable shelves to be accessorized as required	28-9778-96
ReadyKart shelf no tank hole	Replacement part — Accessory for standard cart frame, up to 2 required depending on desired configuration	28-9779-08
ReadyKart t-shelf with tank hole	Accessory, 2 required if using 200 L tank, 1 required if using 100 L tank	28-9779-09
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.	28-9778-99
<b>ReadyKart mini, accessories and replacement parts</b>		
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	28-9778-97
ReadyKart mini frame for 3 shelves	Mini cart frame with a stainless steel bottom shelf will accept up to 2 removable shelves to be accessorized as required	28-9778-98
ReadyKart mini shelf no tank hole	Replacement part — Accessory for mini cart frame, up to 2 required depending on desired configuration	28-9779-10
ReadyKart mini shelf with tank hole	Accessory, 2 required if using 200 L tank, 1 required if using 100 L tank	28-9779-13
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.	28-9779-00
<b>ReadyKart accessories that fit the standard and mini carts</b>		
ReadyKart 200 L tank	Requires 2 shelves with tank holes. 28-9779-09 on standard cart or 28-9779-13 on the mini cart	28-9779-03
ReadyKart 100 L tank	Requires 1 shelf with tank hole in the upper shelf of the cart. 28-9779-09 on standard cart or 28-9779-13 on the mini cart	28-9779-04
ReadyKart 1 and standard tray	Accessory support, recommended for pillow bags and hanging bags used as pillow bags	28-9779-05
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	28-9779-06
ReadyKart 50 L tray	Accessory support, recommended for 50 L pillow bags.	28-9779-07
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.	28-9779-02
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)	28-9779-26
ReadyKart arm clamp assembly	Accessory required to hold hanging boat fitment bags, recommend hanging bag plate for added bag protection	28-9779-01
ReadyKart hanging bag plate	Accessory recommended for protection of hanging bag that would rest against the arm clamp assembly	28-9779-17
<b>ReadyKart replacement parts</b>		
ReadyKart tray lift assembly	Replacement part	28-9779-22
ReadyKart arm clamp	Replacement part	28-9779-23
ReadyKart arm glide insert	Replacement part	28-9779-24
ReadyKart arm gas spring	Replacement part	28-9779-18
ReadyKart arm glide locator	Replacement part	28-9779-25
ReadyKart swivel lock caster	Replacement part	28-9779-20
ReadyKart fixed caster	Replacement part	28-9779-19
ReadyKart end panel	Replacement part	28-9779-21



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

Related literature	Code number
<b>Data files</b>	
ReadyCircuit bags and tubing assemblies	28-9606-44
ReadyKart mobile processing station	28-9606-48
ReadyToProcess hollow fiber cartridges	28-9798-79
ReadyToProcess ULTA™ normal flow filter capsules	28-9257-93
ReadyMate™ Disposable Aseptic Connectors	28-9379-02
<b>Operating manuals</b>	
ReadyCircuit bags, tubing assemblies, and filters	28-9606-46
ReadyKart mobile processing station	28-9606-47
ReadyToProcess hollow fiber cartridges	28-9226-84
ReadyToProcess ULTA normal flow filter capsules	28-9608-22
ReadyMate Disposable Aseptic Connectors	28-9385-70
ReadyClamp	28-9406-20
<b>Quick reference guides</b>	
ReadyCircuit components	28-9750-67
ReadyKart mobile processing station	28-9750-72
ReadyToProcess CFF cartridge	28-9776-40

## [cytiva.com/readytoprocess](https://cytiva.com/readytoprocess)

Cytiva and the Drop Logo are trademarks of Global Life Sciences IP Holdco LLC or an affiliate. Fast Trak, ReadyCircuit, ReadyMate, ReadyToProcess, ULTA, and WAVE Bioreactor are trademarks of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva.

ReadyMate is covered by US patent number 6,679,529 B2 owned by Johnson & Bolely Holdings, LLC and licensed to Cytiva.

© 2020 Cytiva

All goods and services are sold subject to the terms and conditions of sale of the supplying company operating within the Cytiva business. A copy of those terms and conditions is available on request. Contact your local Cytiva representative for the most current information.

For local office contact information, visit [cytiva.com/contact](https://cytiva.com/contact)

CY13665-30Jul20-DF

