WASHTECH®

CONVEYOR SYSTEMS

2021-22


WASHTECH

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System Considerations

There are a number of important factors and an extensive range of options and accessories to consider when specifying a conveyor system. While the primary consideration is to ensure that the system meets capacity requirements, specifying the most optimal system requires navigating various site constraints and balancing upfront capital expenditure with ongoing operating costs. Below are some of the key considerations to account for when determining the best solution.

Capital vs. Operating Expenses

Operators should consider both the initial capital investment and ongoing operating costs of a conveyor system, as sometimes a solution that is less expensive upfront can end up costing your business more over time. Examples of additional investment options that often result in cost savings over time include:

- The integrated heat recovery unit (optional on CD Series, standard on CDe Series) which condenses steam emitted during operation and recirculates this to heat incoming water, significantly reducing energy consumption to such an extent that many operators can save thousands of dollars per year in power costs. Conveyor dishwashers fitted with the heat recovery unit are also SEED certified for installation without dedicated external extraction (subject to adequate site ventilation).

- The advanced 3-stage EcoRinse system (optional on CD240, standard on CDe Series) which intelligently recirculates rinse water, reducing water and consumables consumption by up to 33% compared to models with a conventional rinse system, resulting in substantial water and consumables cost savings. However, this system is not typically suitable for sites washing larger, more heavily soiled items (eg. gastronorm pans).

- More advanced system accessories (sorting station, drying modules, etc) to improve operating efficiency (see Operating Efficiency).

Space & Services

The availability of space and services can often be the most challenging limitation in specifying a conveyor system. Key considerations include:

- Ensuring sufficient space for scraping, sorting and loading of items. Compromises in this area usually have the greatest negative impact on operating efficiency.

- Specifying adequate infrastructure for unloading and drying. Congestion at the end of the conveyor line will halt operation, and regular stoppages will result in underutilisation of the system.

Services constraints such as power limitations, complex ventilation/extraction systems or challenges regarding drainage should be identified early in the specification process so that the conveyor system can be tailored to site conditions. See below some examples of typical solutions to common constraints.

- Power limitations do not necessarily lead to compromised performance. Options such as reduced dryer heating and the use of neutral zones between rinse and drying zones can be specified to simulate the performance of a higher power system.

- Drainage challenges can be resolved mechanically. While we typically recommend the use of gravity drains in conveyor dishwashers, sump systems with drain pumps can be specified for more difficult sites.

- Extraction/ventilation issues are best accounted for by specifying the heat recovery unit to reduce steam emissions from the dishwasher. For particularly difficult sites, custom vent positioning can be designed into the heat recovery unit. However, adequate general site ventilation is still required, so deficiencies in this area must be resolved as part of the specification and installation process.

Capacity

The capacity of a conveyor system is best thought of as a function of the speed of the dishwasher relative to the operating efficiency of the system. Capacity considerations include:

- A baseline number of racks or plate equivalents that need washing per hour. A standard 500mm dish rack holds 18 plates or plate equivalents. The table below is an example of how items can be expressed in plate equivalents.

Plate (>150mm)	Plate (<150mm)	Bowl	Cutlery	Mug (<90mm)	Glass (<75mm)
1	0.67	1	0.1	0.72	0.5

- Heavy wares (gastronorm pans, baking trays, etc.) to be washed and the impact on operational efficiency of these items. Plate equivalents for these items can vary greatly depending on size, shape and racking solutions.

- The anticipated operating efficiency of the system, accounting for gaps between/around items in the rack and time between racks entering the conveyor. This is usually between 60 to 80% for a conveyor system.

Services constraints such as power limitations, complex ventilation/extraction systems or challenges regarding drainage should be solved for early in the specification process so that the conveyor system can be tailored to site conditions.

Operating Efficiency

Aside from sufficient space, other operating efficiency considerations include:

- The number of staff needed to operate the system.

- Ensuring an optimised process workflow to avoid inefficiencies or bottlenecks.

Different system accessories have different attributes that can make them more or less efficient than alternatives in different scenarios. For example:

- Side load tables are the lowest cost and most compact inlet solution, however staff need to manually load racks into the system one-by-one with appropriate spacing. A corner pawl drive is more expensive, but allows for racks to be queued up and manages loading automatically.

- Dryer modules can accelerate drying, which allow items to be moved to storage immediately upon exiting the system, rather than incurring a manual drying process or requiring space at the end of the conveyor to drip-dry.

A key advantage of a rack conveyor system is that they can convey through 90° or 180° corners, and this should be considered not just for fitting into available space but also optimising workflow. For example, for a larger system where full staffing is not always feasible (eg. off-peak periods), having a 180° pawl drive that returns clean racks to staff at the beginning of the conveyor can help to maintain operating efficiency.

Supplementary Systems

In a number of instances, the best solution for fulfilling capacity requirements is a multi-system solution, rather than one large conveyor system. One reason for this is that larger conveyor systems have more demanding power requirements, and not all sites will be able to power these configurations. Another scenario where multi-system solutions may be more suitable is when seeking optimal results for a greater variety of items. Common examples include:

- A dedicated warewasher that is optimised for large kitchenware (gastronorm pans, baking trays, etc.). These items are typically more heavily soiled, which requires the conveyor to operate much slower for adequate wash results, and do not always fit easily into racks. Supplementing a conveyor system with a separate warewasher reduces inefficiencies in the conveyor system and could significantly reduce system size requirements.

- A dedicated polish-free glasswashing system that optimises results for glassware, delivering a polished look for glassware and/or cutlery without the need for hand polishing. Sites washing large quantities of glassware will find that a supplementary glasswashing station reduces conveyor system size requirements.

Conveyor Dishwashers



	CD120	CD120+HRU	CDe120
Standard wash capacity (racks/hr)	120	120	120
Heavy-duty warewashing capacity (racks/hr)	80	80	-
Glasswashing capacity (racks/hr)	180	180	180
Standard wash capacity (plates/hr)	2,160	2,160	2,160
Water consumption (litres/hr)	240	240	180
Water consumption (litres/rack)[1]	2.0	2.0	1.5
Water conserved per rack compared to CD120[1]	-	-	(25%)
Final rinse heating power consumption (kW/hr)[2]	20.1	11.2	8.4
Final rinse heating power consumption (W/rack)[1]	167.5	93.3	70.0
Final rinse heating power conserved per rack compared to CD120[1]	-	(44.3%)	(58.2%)
Cold inlet water supply (< 25°)	-	Required	Required
Hot inlet water supply (> 65°)	Required	Recommended	Recommended
Direct external steam extraction[3]	Required	Not Required	Not Required
Power requirements[4]	3p/25A	3p/30A	3p/35A
Maximum power load (kW)[4]	16.8	20.0	26.0
EcoRinse	-	-	3-stage
Heat recovery unit	-	Included	Included
Thermal & acoustic insulation	Optional	Optional	Included
Dual-speed control	Optional	Optional	Included
Automatic start/stop	Included	Included	Included
Pre-wash zone length (mm)	-	-	-
Wash zone length (mm)	900	900	600
Rinse stages	1	1	3
Chamber height (mm)	400	400	400
Chamber width (mm)	500	500	500
Overall length (mm)	1,500	1,755	1,755
Overall height (mm)	1,455	1,835	1,835
Overall width (mm)	765	765	765

[1] When operating at standard wash capacity in typical conditions.
[2] Assumes 20° cold inlet water when required and 5° temperature loss between external hot water supply and dishwasher.






CD180	CD180+HRU	CDe180	CD240	CD240+HRU	CDe240
180	180	180	240	240	240
120	120	-	160	160	160
240	240	240	300	300	300
3,240	3,240	3,240	4,320	4,320	4,320
240	240	180	180	180	120
1.33	1.33	1.0	0.75	0.75	0.5
(33.3%)	(33.3%)	(50%)	(62.5%)	(62.5%)	(75%)
20.1	11.2	8.4	15.1	8.4	5.6
111.7	62.2	46.7	62.9	35.0	23.3
(33.3%)	(62.9%)	(72.1%)	(62.4%)	(79.1%)	(86.1%)
-	Required	Required	-	Required	Required
Required	Recommended	Recommended	Required	Recommended	Recommended
Required	Not Required	Not Required	Required	Not Required	Not Required
3p/28A	3p/35A	3p/35A	3p/32A	3p/35A	3p/35A
19.0	22.2	26.0	21.0	24.4	27.5
-	-	3-stage	2-stage[5]	2-stage[5]	3-stage
-	Included	Included	-	Included	Included
Optional	Optional	Included	Optional	Optional	Included
Optional	Optional	Included	Optional	Optional	Included
Included	Included	Included	Included	Included	Included
600	600	600	600	600	600
900	900	600	1,200	1,200	1,200
1	1	3	2	2	3
400	400	400	400	400	400
500	500	500	500	500	500
2,100	2,100	2,100	2,710	2,710	2,710
1,455	1,835	1,835	1,455	1,835	1,835
765	765	765	765	765	765

[3] "Not Required" models are SEED certified for installation without an extraction canopy, subject to adequate site ventilation.
[4] Some system accessories will increase power requirements and maximum load. [5] Optional 3-stage EcoRinse available.

Build-To-Order Options

Heat Recovery Unit*

The integrated heat recovery unit condenses steam emitted during operation and recirculates this to heat incoming water, significantly reducing energy consumption. The reduction in steam emissions also eliminates the need for an extraction canopy in most venues.

3-stage EcoRinse*

CD240 can be upgraded from the standard 2-stage EcoRinse system to the more advanced 3-stage system featured on CDe240, reducing water consumption by 33% to just 120 litres per hour. Recommended only for systems washing conventional rack loads.

Thermal & Acoustic Insulation*

Full thermal and acoustic insulation delivers a more pleasant operating environment by reducing noise, surface heat and steam emissions during operation.

Dual-Speed Control*

Enables operators to switch on-the-fly between two custom speed presets, ideal if using the dishwasher to sanitise a variety of items and soiling levels.

Automatic Start/Stop

A standard feature on all conveyor models, automatic start/stop shuts down the wash pump(s) and rinse system if no racks have entered the dishwasher for a set period of time, saving power and water, and automatically restarts the wash pumps when a rack is loaded. In some scenarios, operators may prefer to disable this feature.

Final Rinse Booster Pump

Ensures optimal rinse results when operating on low inlet water pressure (below 200kPa).

Cold Injection Pre-Wash

Excessive temperatures in the pre-wash zone can be detrimental to the cleaning process if the dishwasher is intended to be operated at a high wash temperature (typical for heavy kitchen equipment). Also ideal for sites with above average ambient temperature.

Heavy-Duty Pre-Wash Module

The 600mm pre-wash module on CD180, CDe180, CD240 and CDe240 can be upgraded to a heavy-duty 1,200mm module ideal for oversized or heavily soiled items, or for operation above 240 racks per hour.

Angle-Entry Pre-Wash Zone

The angle entry pre-wash zone allows racks to enter the dishwasher on a 90° angle, ideal for corner installations where space is at a premium.

Neutral Zone

For locations with plenty of space, a neutral zone can enhance system performance by allowing time for wash water to run off items before entering the rinse zone, or rinse water before the dryer. Available in 600mm with optional door.

Rear Panels

For dishwashers without insulation, rear panels are recommended when the rear of the conveyor is not situated against a wall.

Custom Hoods

The simplest method of resizing the dishwasher to best fit a space, or to enable retrofit installations with preexisting benchgap and ventilation. Standard options include 200mm, 300mm and 400mm (inlet only).

Overheight Chamber

Overheight cabinet options offer increased clearance from the standard 400mm to 600mm or 800mm.

Custom Rack Paths

The conveyor rack path can be configured to convey alternatively-sized racks (eg. 450mm glass racks, bread crates) or items without racks (e.g. bowls, bins, GN pans).

Rail Slides

Prevents non-rack items from falling off the edge of the rack path. Recommended, and sometimes required, in conjunction with custom rack paths.

Central Pawl Drive

Recommended, and sometimes required, in conjunction with custom rack paths.

IP56 Electrics

Additional protection fitted to the electronic controls to prevent water and dust ingress to the IP56 level.

Steam Heating

Conveyor dishwashers can be configured to use steam heating for wash and rinse water, significantly reducing the electrical load of the dishwasher.

* Standard feature on CDe Series models.

Side Load Tables

Side load tables offer our most space-efficient loading solution for tight spaces, providing a 90° load entry with a width of just 600mm. Racks are loaded manually onto the table where they can then be received by the dishwasher. Side load tables are not suitable for loading oversize items or for use on the outlet end of the system. Side load tables use a wet connection to the dishwasher, so no external drainage is required. Covered side load tables improve hygiene, reduce splashing risk and optimise steam capture for dishwashers with heat recovery unit.

Side Load Table

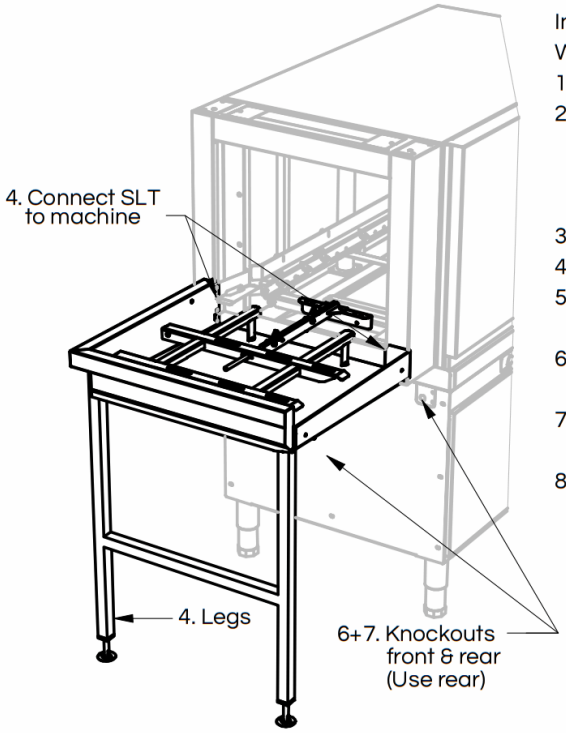
Dimensions:
600mm (W) x 960mm (H) x 750mm (D)
Variants:
SLT (left-side, pictured), SLT (right-side)

Covered Side Load Table

Dimensions:
600mm (W) x 1,455mm (H) x 750mm (D)
Variants:
SLTc (left-side, pictured), SLTc (right-side)

SLT (left-side) Installation

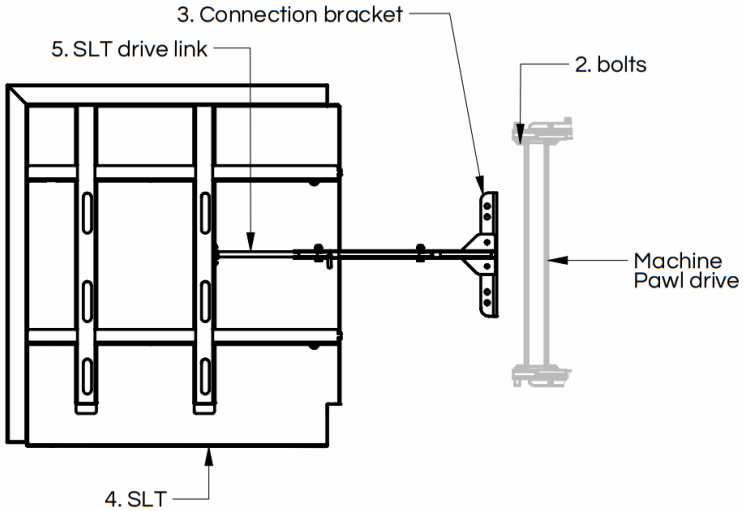
Side load tables can be factory fitted or installed on location. Side load tables are manufactured differently for left-side or right-side installation. The below installation detail features SLT (left-side).

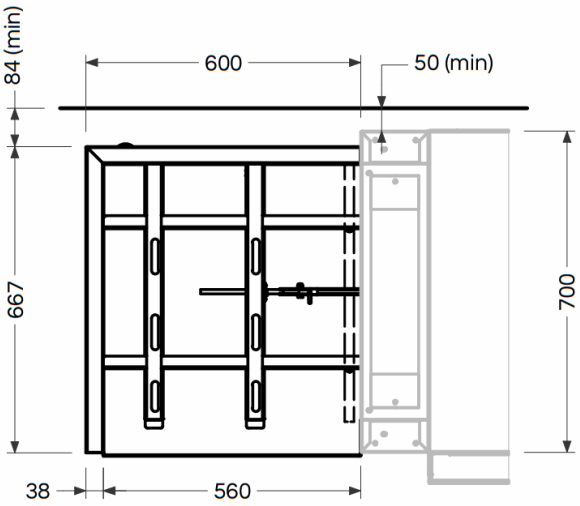


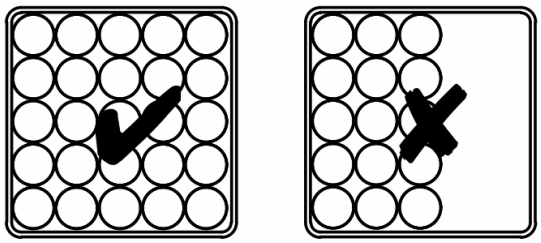
Installation Instructions:

WARNING: All work must be carried out by a qualified Technician

1. Remove bench adaptor bracket on machine
2. If the SLT is being fitted to a machine with a prewash CHECK that the cross channel in machine pawl drive is fitted with the outer attachment bolts (2) visible towards the inlet as shown below. If not the cross channel must be removed and rotated and re-attached
3. Fit the Connection Bracket to the cross channel using M6 fasteners supplied
4. Connect legs to SLT and then SLT to machine using M5 fasteners supplied
5. Slide the rod end of the Drive Link into the bush on the SLT before attaching the other end of the link to the connection bracket
6. Fit the cable gland supplied through the knock-out on the machine side panel at rear
7. Wire SLT start actuator parallel with machine auto start switch - refer schematic diagram behind front panel
8. For effective operation racks must be loaded evenly and pushed right across the Side Load Table in one complete action

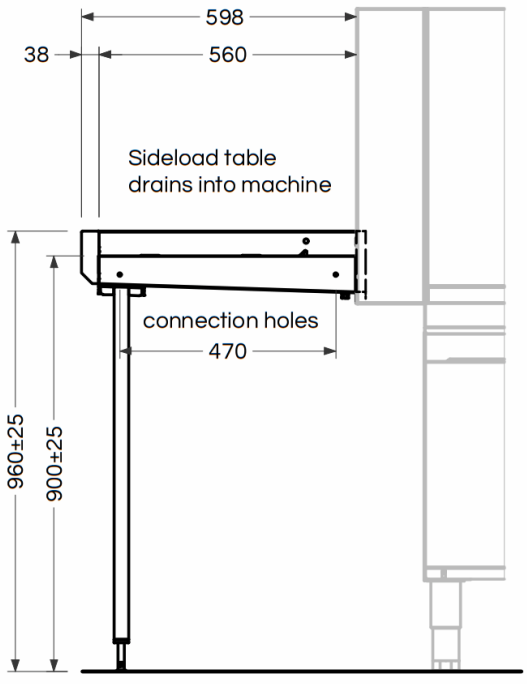






8. Full balanced load

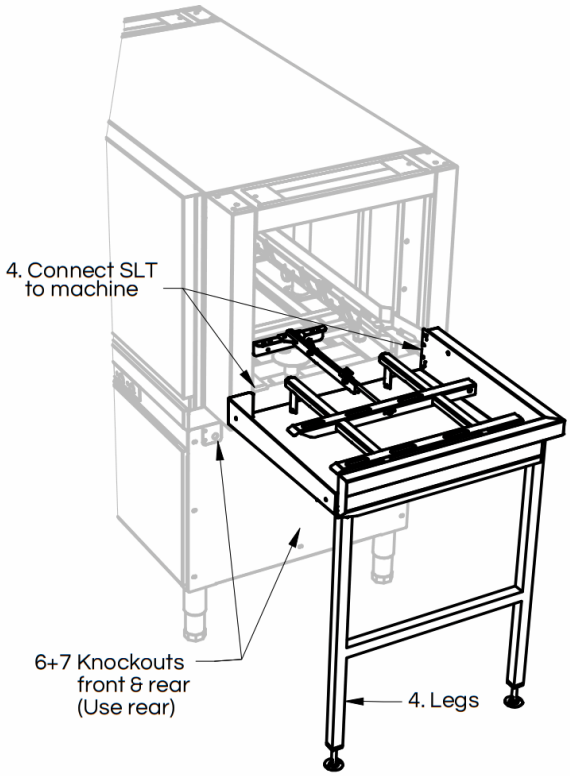
Unbalanced load



Note: Dimension to wall with standard bench. Can be decreased by reducing backsplash return.

SLT (right-side) Installation

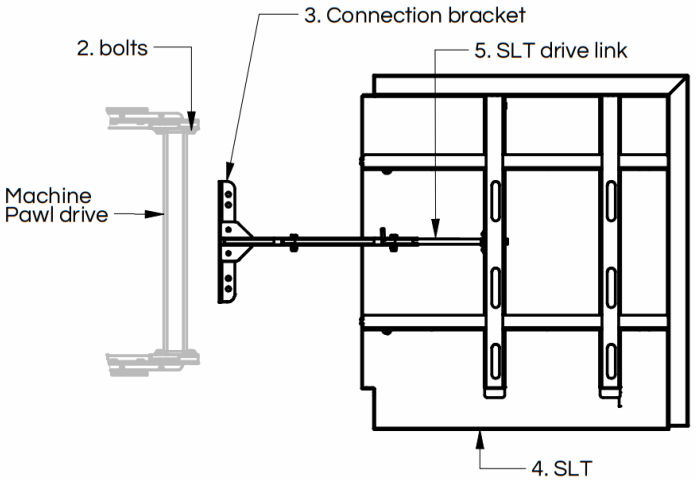
Side load tables can be factory fitted or installed on location. Side load tables are manufactured differently for left-side or right-side installation. The below installation detail features SLT (right-side).

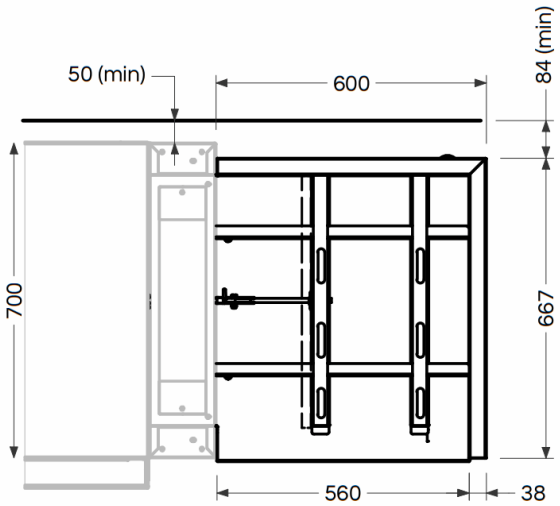


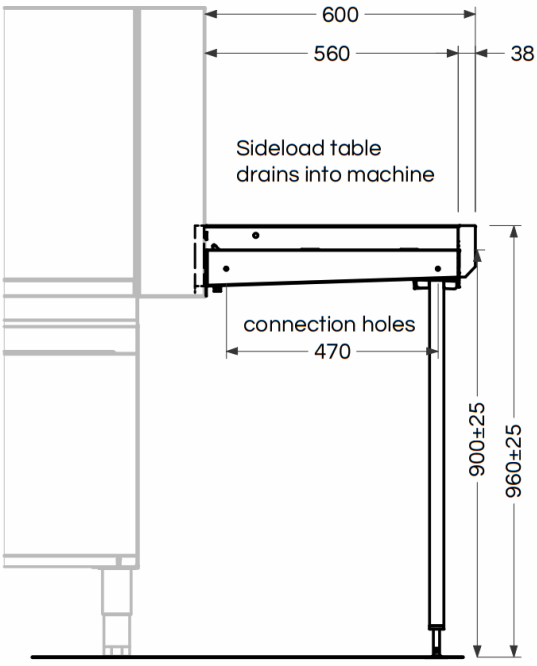
Installation Instructions:

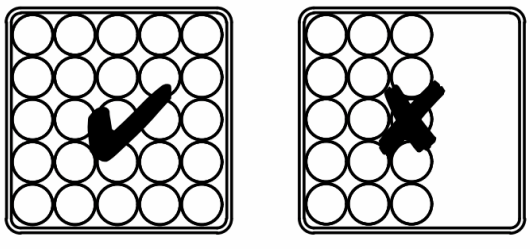
WARNING: All work must be carried out by a qualified Technician

1. Remove bench adaptor bracket on machine
2. If the SLT is being fitted to a machine with a prewash CHECK that the cross channel in machine pawl drive is fitted with the outer attachment bolts (2) visible towards the inlet as shown below. If not the cross channel must be removed and rotated and re-attached
3. Fit the Connection Bracket to the cross channel using M6 fasteners supplied
4. Connect legs to SLT and then SLT to machine using M5 fasteners supplied
5. Slide the rod end of the Drive Link into the bush on the SLT before attaching the other end of the link to the connection bracket
6. Fit the cable gland supplied through the knock-out on the machine side panel at rear
7. Wire SLT start actuator parallel with machine auto start switch - refer schematic diagram behind front panel
8. For effective operation racks must be loaded evenly and pushed right across the Side Load Table in one complete action









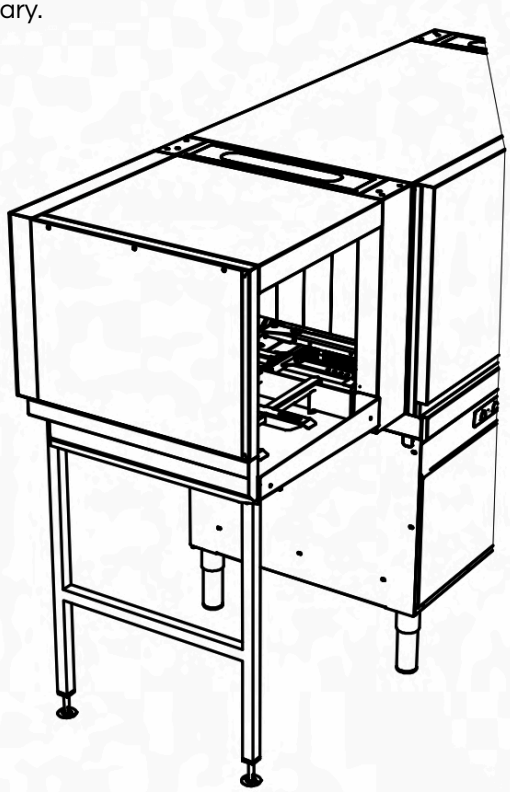
8. Full balanced load

Unbalanced load

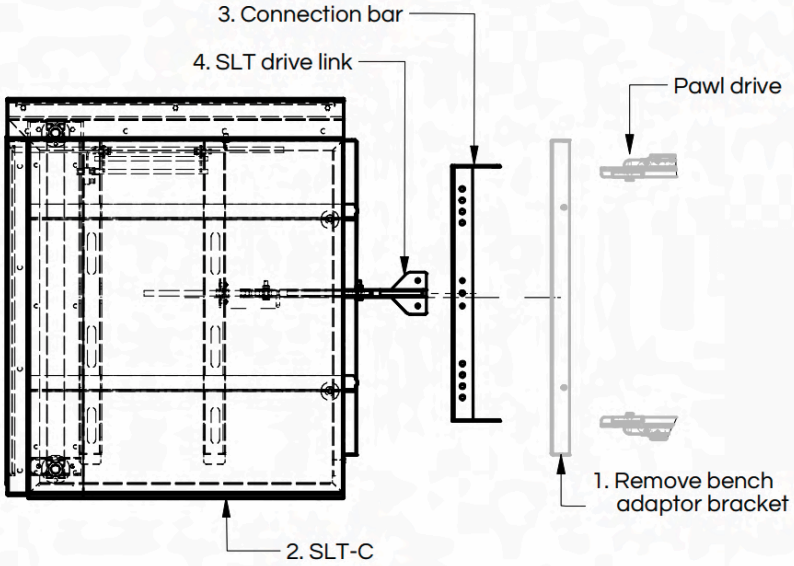
Note: Dimension to wall with standard bench. Can be decreased by reducing backsplash return.

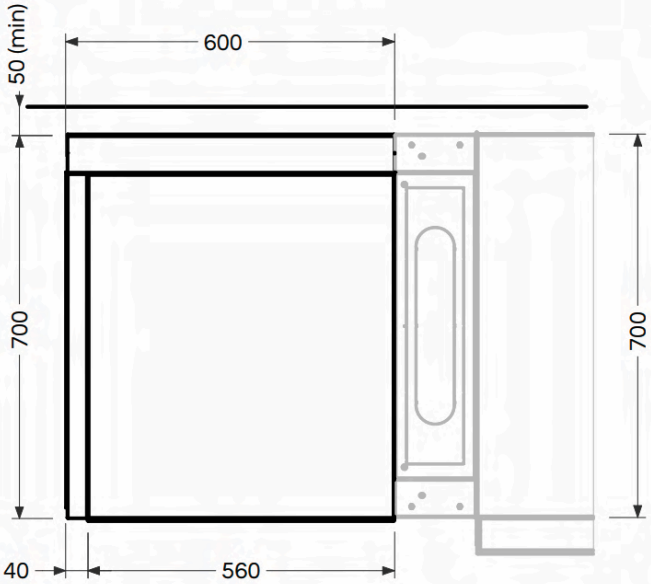
SLTc Installation

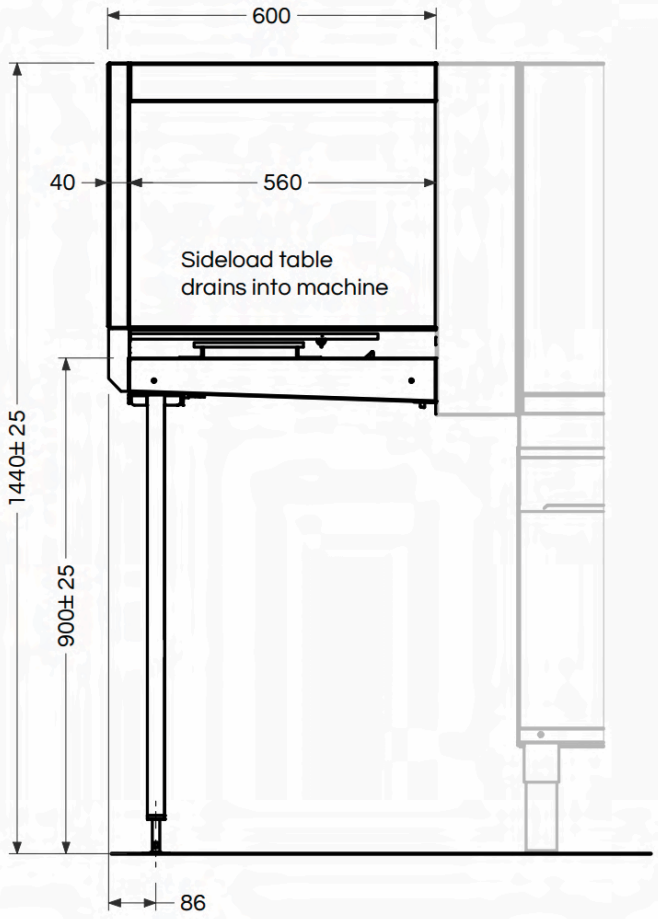
Covered side load tables can be supplied as part of a complete conveyor system, or seperately for install on location. Covered side load tables are manufactured differently for left-side or right-side installation. The below installation detail features SLTc (left-side). The same installation instructions also apply for SLTc (right-side), though some dimensions may vary.



1. Remove bench adaptor bracket
2. Connect SLT to machine - using M5/M8 fittings supplied
3. Attach connection bar to pawl drive - using M6 fittings supplied. (Refer connection bar\pawl drive assembly instructions)
4. Attach drive link to connection bar - using M6 fittings supplied







Note: Dimension to wall with standard bench. Can be decreased by reducing backsplash return.

Pawl Drives

Pawl drive corner modules are driven by the conveyor dishwasher's pawl drive, automatically conveying racks around a tight turning radius and providing the smoothest loading procedure. They are ideal for reducing the footprint of L- or U-shaped system configurations, and maintaining efficient operation especially when a corner is not easily accessible. Pawl drive modules use a wet connection to the dishwasher, so no external drainage is required. Covered pawl drives improve hygiene, reduce splashing risk and optimise steam capture for dishwashers with heat recovery unit.

90° Pawl Drive

Dimensions:
695mm (W) x 960mm (H) x 815mm (D)
Variants:
P90 (left-side, pictured), P90 (right-side)

90° Covered Pawl Drive

Dimensions:
695mm (W) x 1,455mm (H) x 815mm (D)
Variants:
P90c (left-side, pictured), P90c (right-side)

180° Pawl Drive

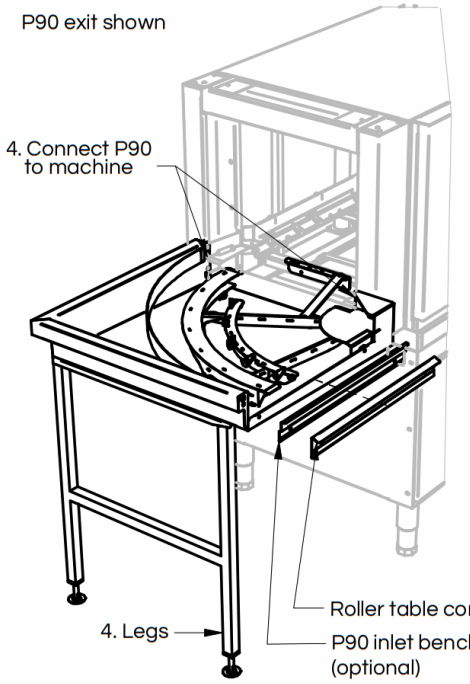
Dimensions:
695mm (W) x 960mm (H) x 1,460mm (D)
Variants:
P180

180° Covered Pawl Drive

Dimensions:
695mm (W) x 1,455mm (H) x 1,460mm (D)
Variants:
P180c

P90 (left-side) Installation

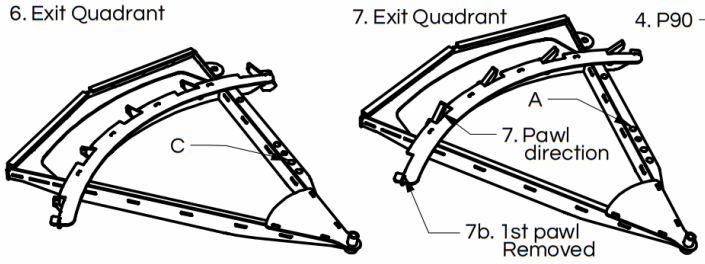
Pawl drive modules can be factory fitted or installed on location. P90 modules are manufactured differently for left-side or right-side installation. The pawls are reversible, so can be configured on site for inlet or outlet operation. Operation above 240 racks per hour is not recommended. The below installation detail features P90 (left-side). The same installation instructions also apply for left-side P90c, P180 and P180c, though some dimensions may vary.

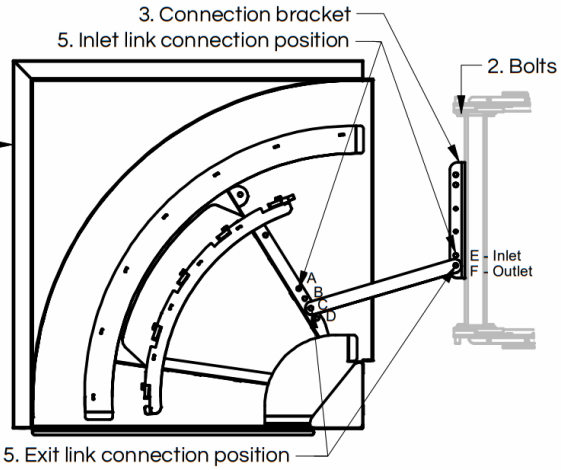


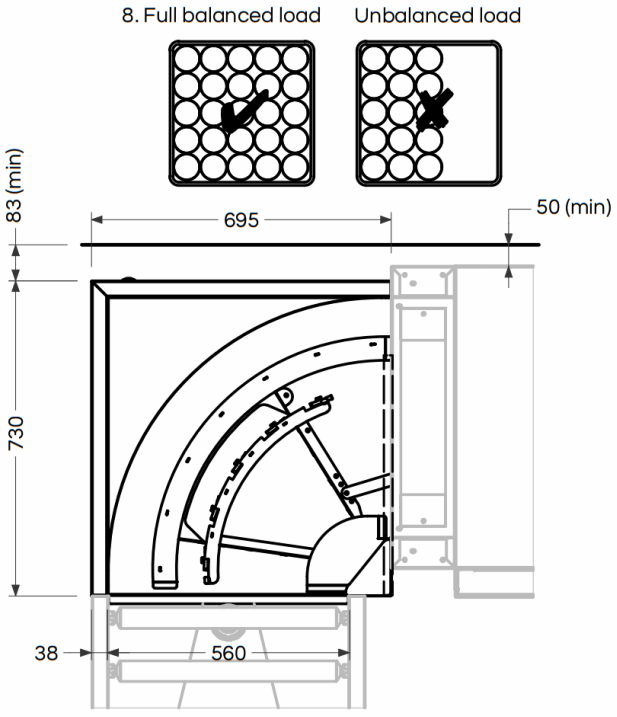
Installation Instructions:

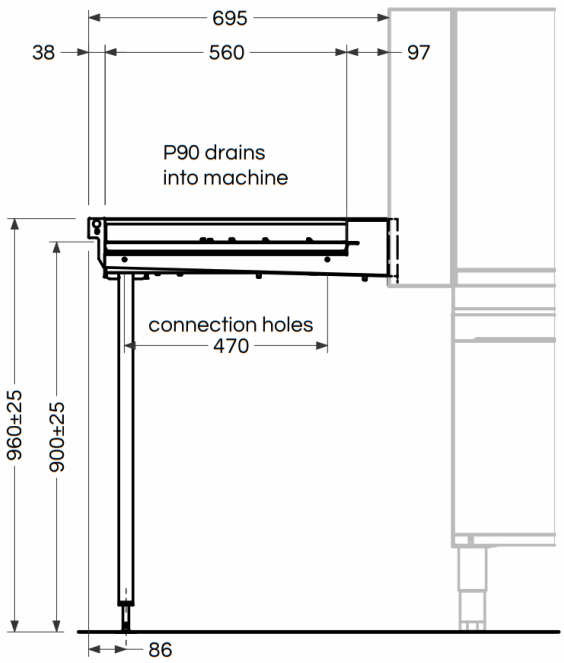
WARNING: All work must be carried out by a qualified Technician

1. Remove bench adaptor bracket on machine
2. If the P90 is being fitted to a machine with a prewash CHECK that the cross channel in machine pawl drive is fitted with the outer attachment bolts(2) visible towards the inlet as shown below. If not the cross channel must be removed and rotated and re-attached.
3. Fit the Connection Bracket to the cross channel using M6 fasteners supplied
4. Connect legs to P90 and then P90 to machine using M5 fasteners supplied
5. Attach Drive Link to the connection bracket using Hinge Pins and Clips supplied
   Positions for EXIT = C and F
   Positions for ENTRY = A and E
6. Usually the P90 is supplied ready for use as an EXIT - in which case a Roller Table with Limit Switch must be fitted or Drive Warranty is Void
7. For INLET setup reverse pawl direction and remove first pawl (7b) - machine Start button must be pressed to operate drive.
8. Always check to ensure that there are NO Pinch Points - adjust link positions if necessary then test operation
9. For effective operation racks must be loaded evenly and not forced into inlet drive







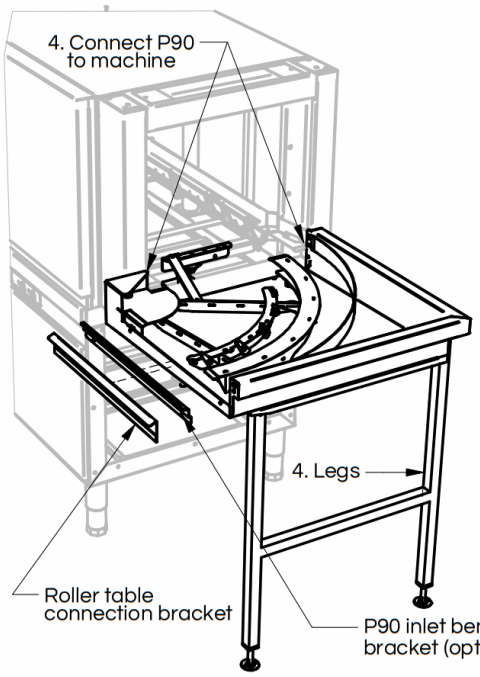


Note: Dimension to wall with standard bench. Can be decreased by reducing backsplash return.

P90 (right-side) Installation

Pawl drive modules can be factory fitted or installed on location. P90 modules are manufactured differently for left-side or right-side installation. The pawls are reversible, so can be configured on site for inlet or outlet operation. Operation above 240 racks per hour is not recommended. The below installation detail features P90 (left-side). The same installation instructions also apply for right-side P90c, P180 and P180c, though some dimensions may vary.

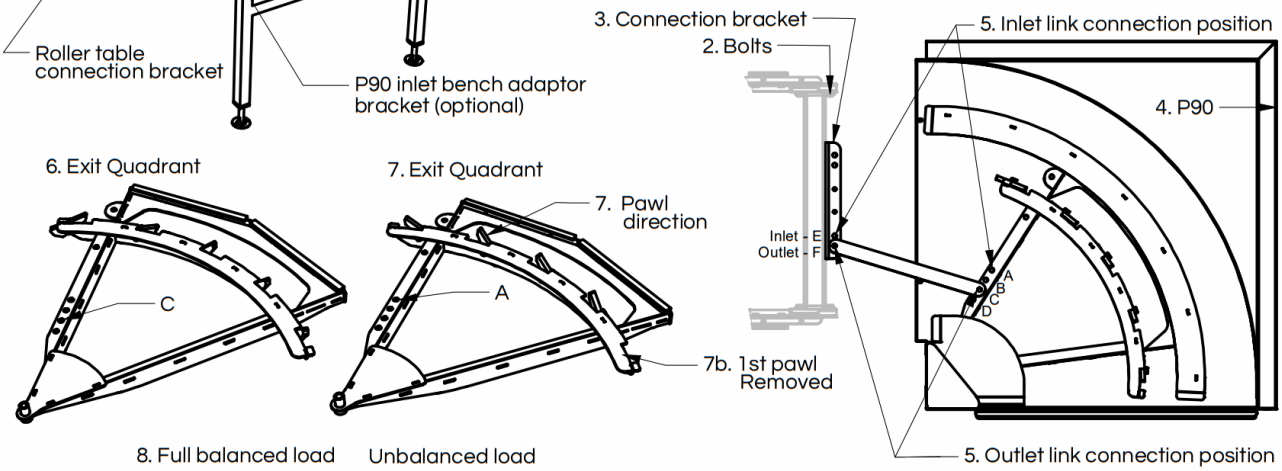
P90 exit shown

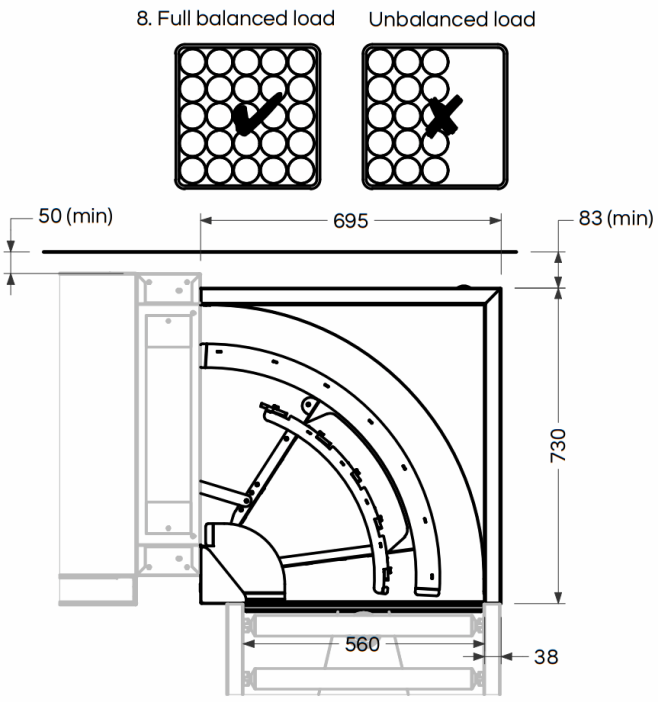


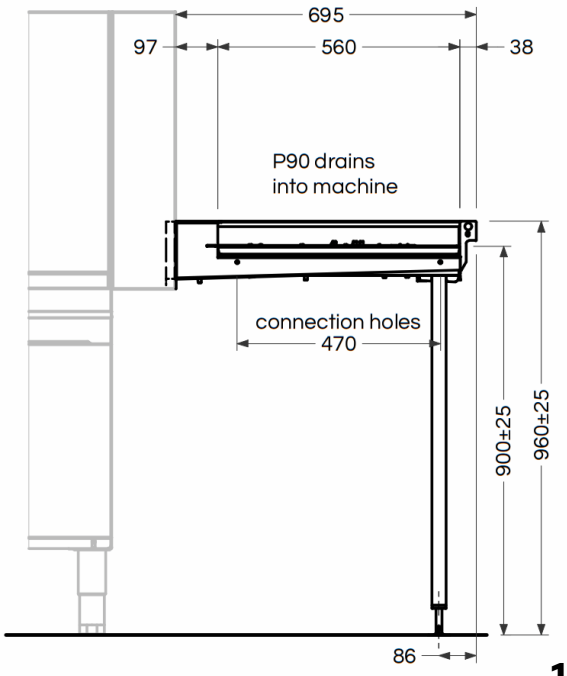
Installation Instructions:

WARNING: All work must be carried out by a qualified Technician

1. Remove bench adaptor bracket on machine
2. If the P90 is being fitted to a machine with a prewash CHECK that the cross channel in machine pawl drive is fitted with the outer attachment bolts(2) visible towards the inlet as shown below. If not the cross channel must be removed and rotated and re-attached.
3. Fit the Connection Bracket to the cross channel using M6 fasteners supplied
4. Connect legs to P90 and then P90 to machine using M5 fasteners supplied
5. Attach Drive Link to the connection bracket using Hinge Pins and Clips supplied
   Positions for EXIT = C and F
   Positions for ENTRY = A and E
6. Usually the P90 is supplied ready for use as an EXIT - in which case a Roller Table with Limit Switch must be fitted or Drive Warranty is Void
7. For INLET setup reverse pawl direction and remove first pawl (7b) - machine Start button must be pressed to operate drive.
8. Always check to ensure that there are NO Pinch Points - adjust link positions if necessary then test operation
9. For effective operation racks must be loaded evenly and not forced into inlet drive







Note: Dimension to wall with standard bench. Can be decreased by reducing backsplash return.

Dryers

Dryer modules are ideal for sites that require fast turnaround of clean, dry dishes. Washtech dryer modules combine an air-knife with an optimised, fan-controlled climate to enhance drying results. Larger dryer modules are recommended in higher capacity systems, or to achieve optimal drying results for plastic items. Dryer modules will increase power requirements and maximum power load.

Compact In-Line Dryer

Dimensions:
450mm (W) x 1,785mm (H) x 780mm (D)
Variants:
D450/6kW, D600/6kW, D750/6kW

Full-Size In-Line Dryer

Dimensions:
1,200mm (W) x 1,785mm (H) x 780mm (D)
Variants:
D1200/6kW, 1200/6kWx2

90° Pawl Drive + Dryer

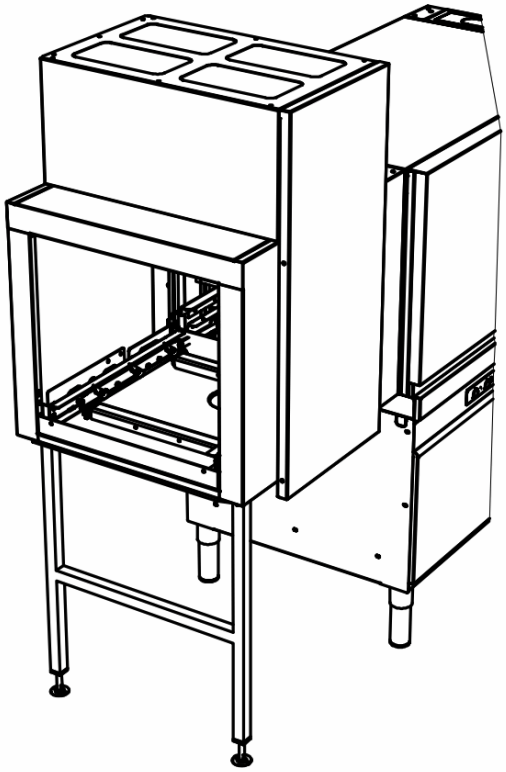
Dimensions:
695mm (W) x 900mm (H) x 815mm (D)
Variants:
P90D/6kW (left-side, pictured), P90D/6kW (right-side)

180° Pawl Drive + Dryer

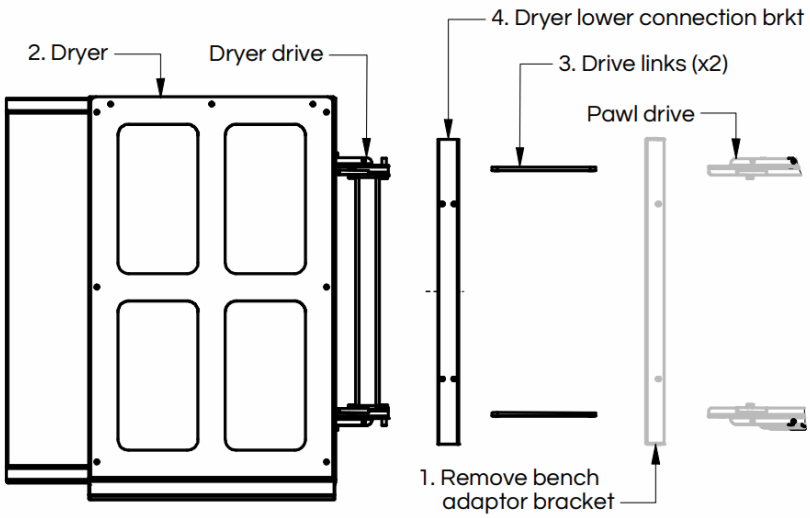
Dimensions:
770mm (W) x 1,785mm (H) x 1,460mm (D)
Variants:
P180D/6kW (left-side, pictured), P180D/6kW (right-side)

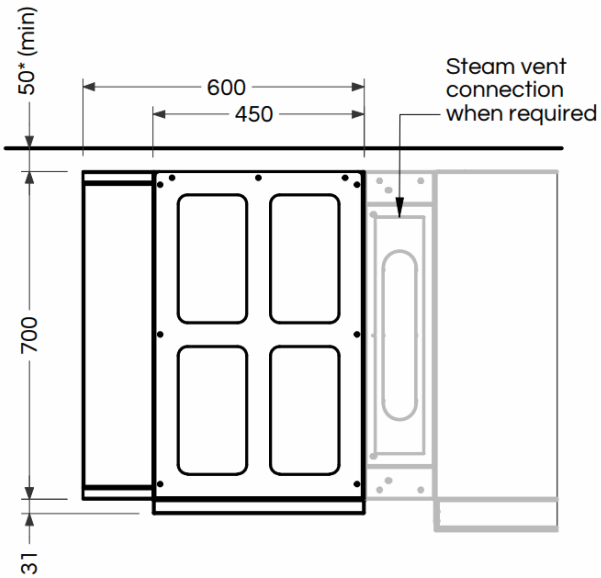
D600/6kW Installation

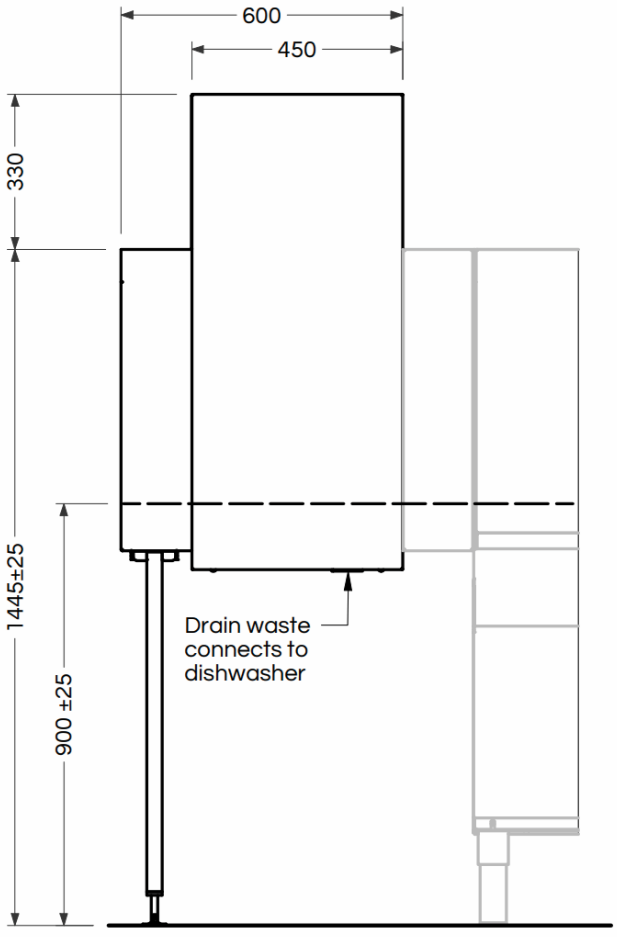
Dryer modules must be ordered as part of a complete conveyor system. The below installation detail features D600/6kW. The same installation instructions also apply for D450/6kW and D750/6kW, though some dimensions will vary. Dryer modules will increase power requirements and maximum power load.



1. Remove bench adaptor bracket
2. Connect Dryer to machine - using M8 fixings supplied
3. Attach drive links to pawl drives - using M6 fittings supplied
4. Cover lower join using lower connection brkt - using M6 fittings supplied



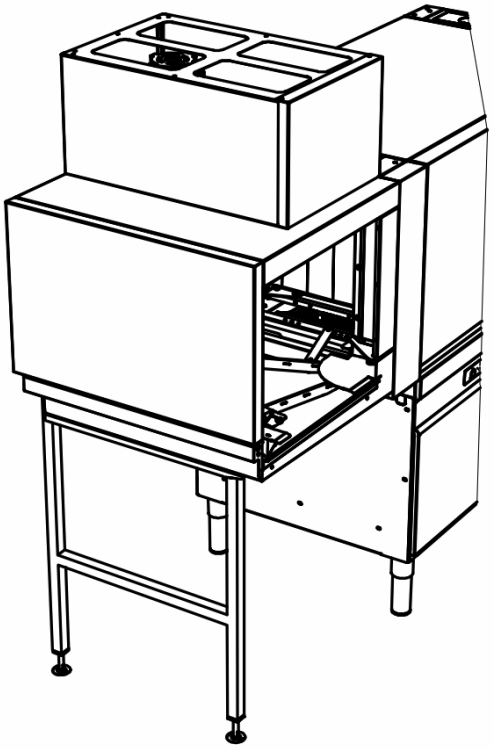




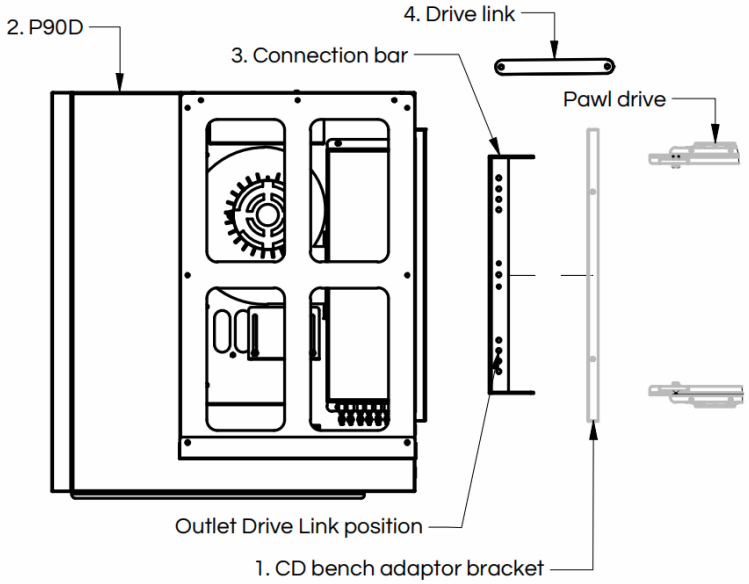
Note: Dimension to wall can be reduced by altering gap.

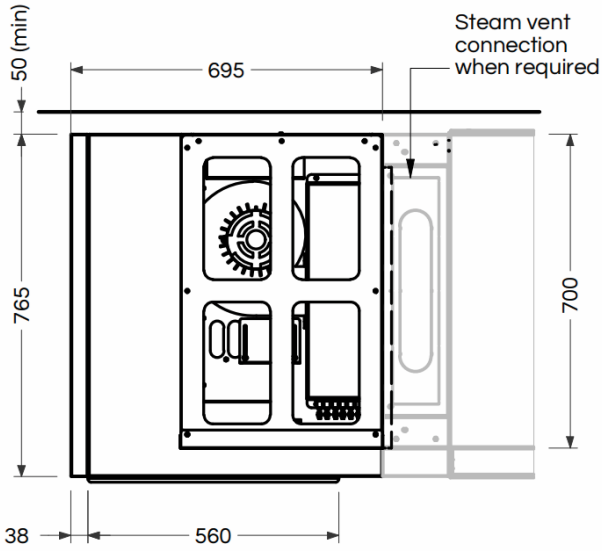
P90D/6kW (left-side) Installation

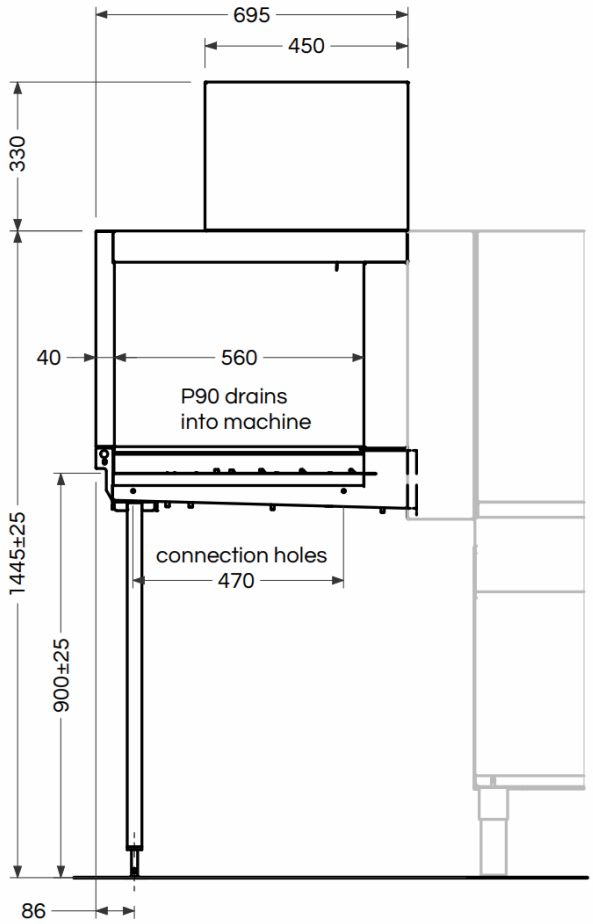
Dryer modules must be ordered as part of a complete conveyor system. Dryer modules are manufactured differently for left-side or right-side installation. The below installation detail features P90D/6kW (left-side). The same installation instructions also apply for P90D/6kW (right-side), though some dimensions may vary. Dryer modules will increase power requirements and maximum power load.



1. Remove bench adaptor bracket.
2. Connect P90D to machine - using M5\M8 fittings supplied
3. Attach connection bar to pawl drive - using M6 fittings supplied
   (Refer connection bar\pawl drive assembly instructions)
4. Attach drive link to connection bar - using M6 fittings supplied





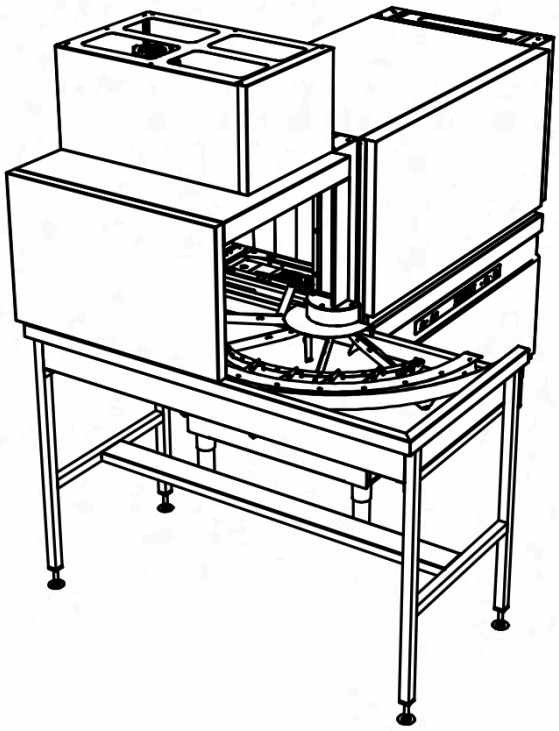


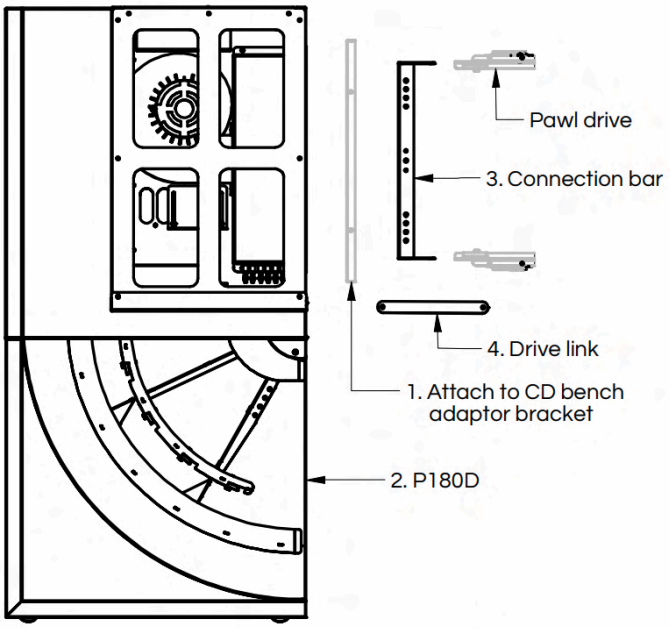
Note: Dimension to wall can be reduced by altering gap.

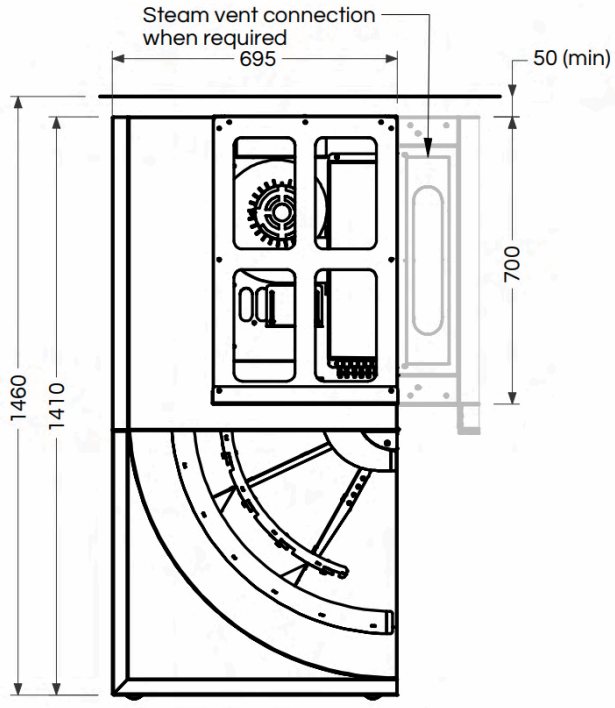
P180D/6kW (left-side) Installation

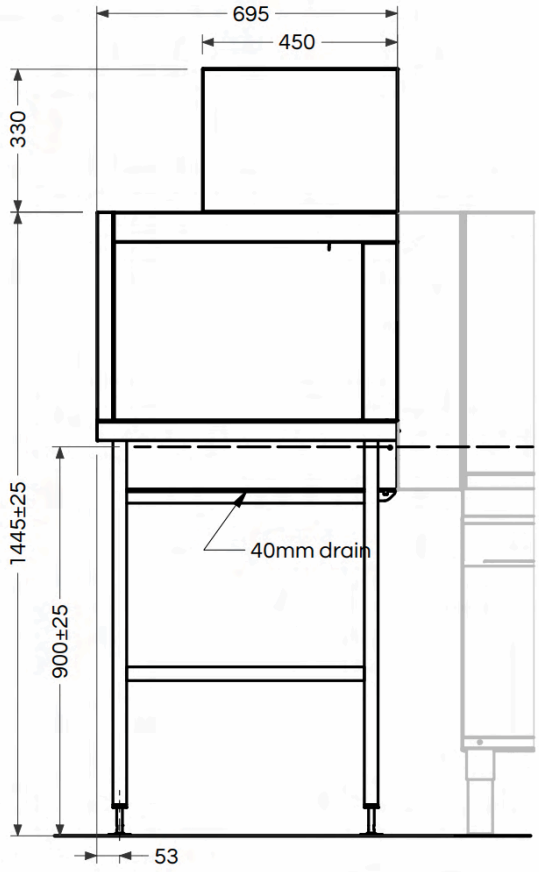
Dryer modules must be ordered as part of a complete conveyor system. Dryer modules are manufactured differently for left-side or right-side installation. The below installation detail features P180D/6kW (left-side). The same installation instructions also apply for P180D/6kW (right-side), though some dimensions may vary. Dryer modules will increase power requirements and maximum power load.

1. Attach to bench adaptor bracket - using M6 fittings supplied.
2. Connect P180D to machine - using M5 screws supplied
3. Attach connection bar to pawl drive - using M6 fittings supplied (Refer connection bar\pawl drive assembly instructions)
4. Attach drive link to connection bar - using M6 fittings supplied









Note: Dimension to wall can be reduced by altering gap.

Roller Tables

Roller tables are commonly used on the outlet end of a conveyor system, providing space for racks to continue drying upon exiting the dishwasher, and as an overflow area so rack loading is not interrupted. All roller tables can be optioned with an underbench shelf that is ideal for storing racks or other items.

90° Roller Table

Dimensions:
1,200mm (W) x 960mm (H) x 1,200mm (D)
Variants:
R90, R90s (underbench shelf, pictured)

Both variants are open-ended to connect to other accessories.

Straight Roller Table

Dimensions:
900mm (H) x 815mm (D)

- R500: 500mm (W)
- R1000: 1,000mm (W)
- R1500: 1,500mm (W)
- R2000: 2,000mm (W)

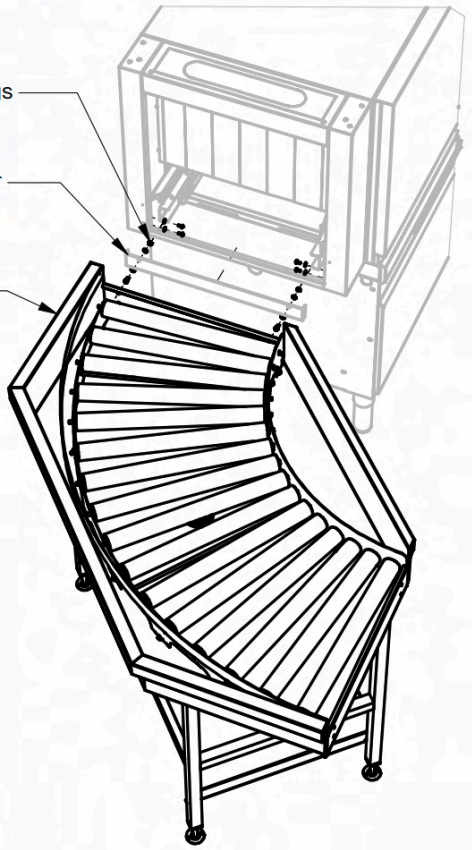
Variants:
- R500, R500s (underbench shelf)
- R1000 (pictured), R1000s (underbench shelf)
- R1500, R1500s (underbench shelf)
- R2000, R2000s (underbench shelf)

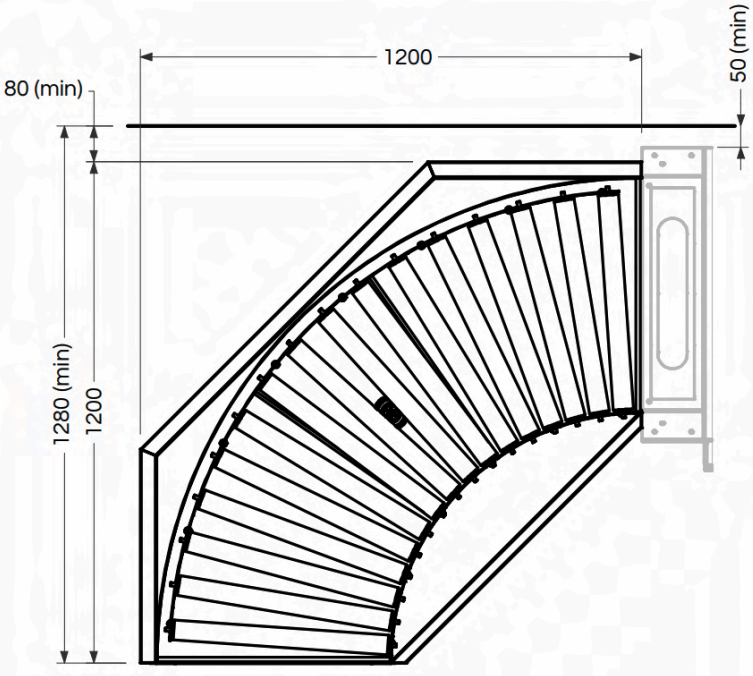
All variants can be optioned open-ended to connect to other accessories, such as additional roller tables for systems requiring in excess of 2m.

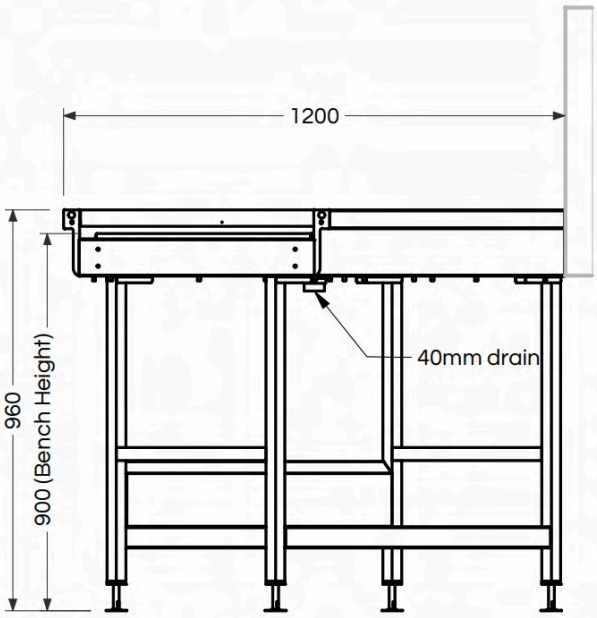
R90 Installation

Roller tables are easy to install on location. The below installation detail features R90s. The same fittings and connection points are used for all roller tables and to attach other accessories.

1. Attach roller table to dishwasher using M6 fittings supplied.
2. Level R90 roller table as required.





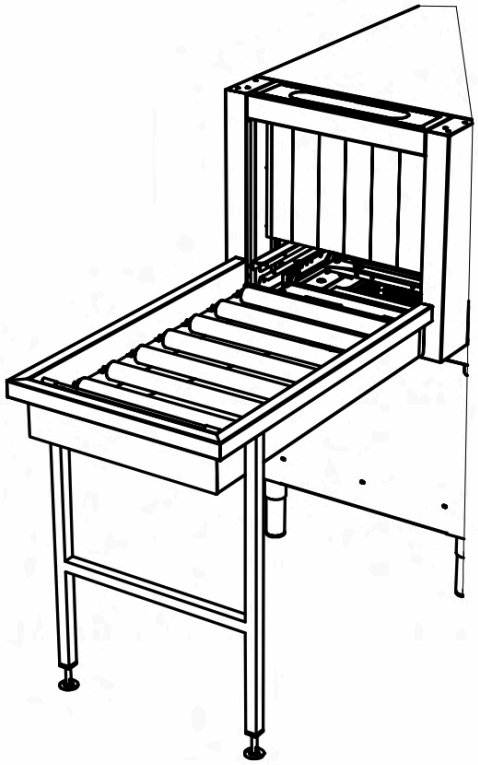


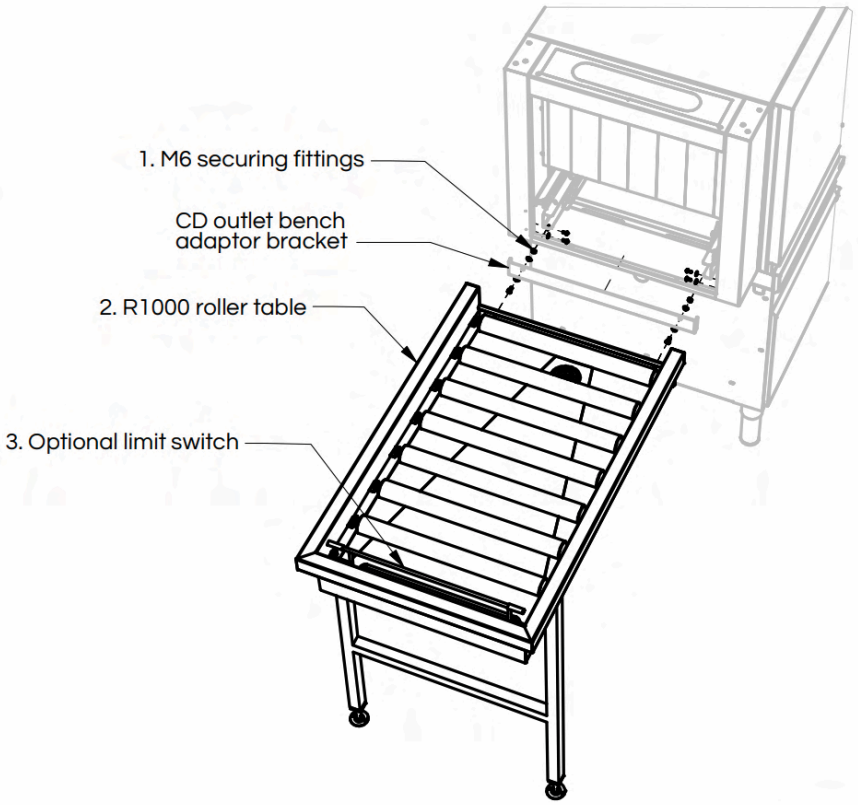
Note: Dimension to wall can be reduced by altering gap.

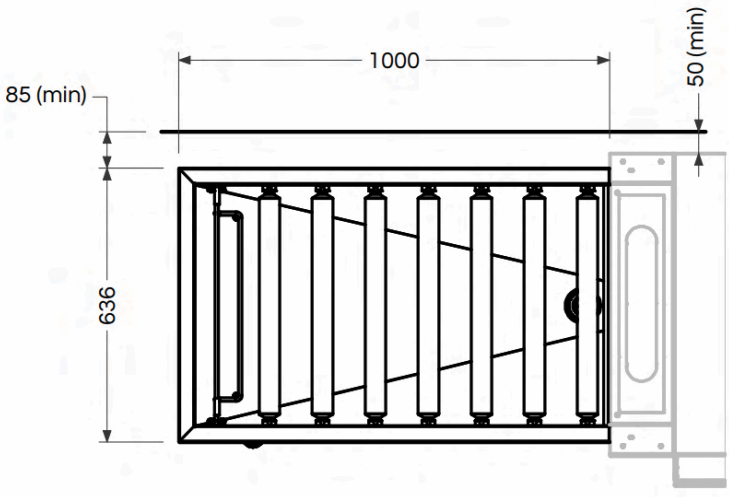
R1000 Installation

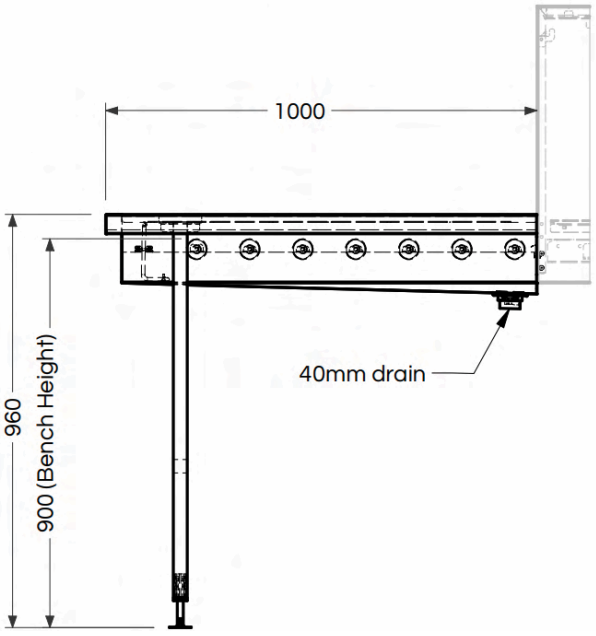
Roller tables are easy to install on location. A limit switch must be fitted on the outlet side to halt the conveyor drive when there is obstruction (eg. the roller table is full). The limit switch is factory fitted to the roller table furthest from the dishwasher. The below installation detail features R1000. The same fittings and connection points are used for all roller tables and to attach other accessories.

1. Attach Roller table to dishwasher using M6 fittings supplied
2. Level roller table as required
3. Electrician\technician required to attach limit switch wiring to dishwasher when applicable









Note: Dimension to wall can be reduced by altering gap.

Troughs & Benches

Troughs are purpose-built for pre-rinsing, with heavy-duty stainless steel scrap trays and a high upstand to gather waste and enable easy cleaning. They have an angled base that directs sprayed water away from the operater, and the rackslides and connections are designed specifically to complement Washtech conveyor and passthrough dishwashers. Troughs include an underbench shelf as standard.

Trough

Dimensions:
1,430mm (H) x 700mm (D)

- T700s: 700mm (W)
- T1100s: 1,100mm (W)

Variants:
- T700s (pictured), T700s (400mm trough depth)
- T1100s, T1100s (400mm trough depth)

Setdown benches include an integrated splashback that helps maintain good hygiene and aligns neatly with our trough accessories, as well as Washtech conveyor and passthrough dishwashers.

Setdown Bench

Dimensions:
1,430mm (H) x 700mm (D)

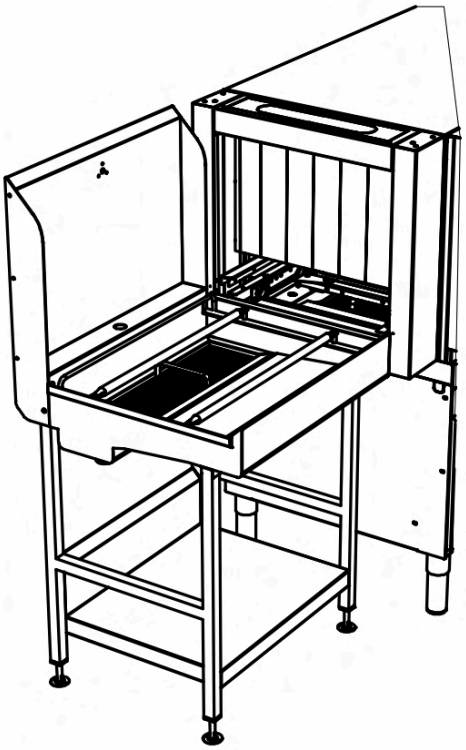
- SB600: 600mm (W)
- SB750: 750mm (W)
- SB1100: 1,100mm (W)
- SB1600: 1,600mm (W)

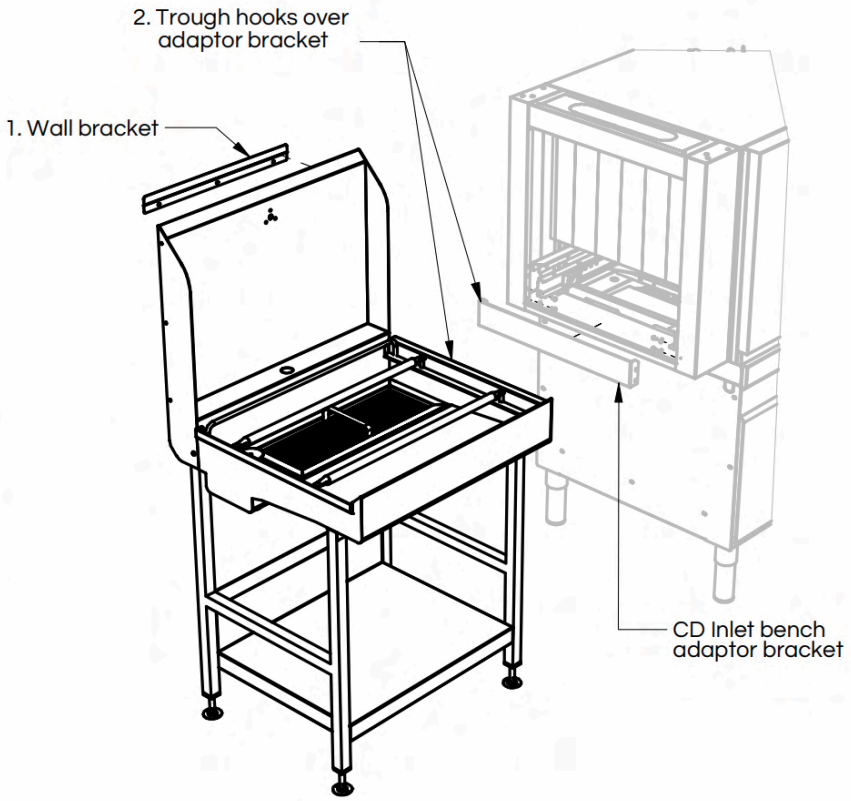
Variants:
- SB600, SB600s (underbench shelf)
- SB750, SB750s (underbench shelf, pictured)
- SB1100, SB1100s (underbench shelf)
- SB1600, SB1600s (underbench shelf)

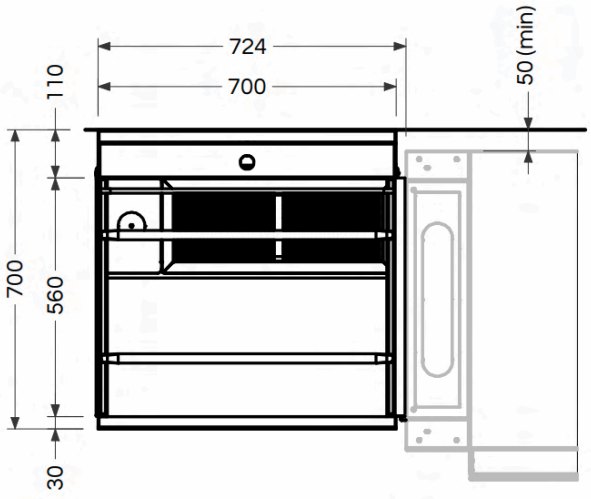
T700 Installation

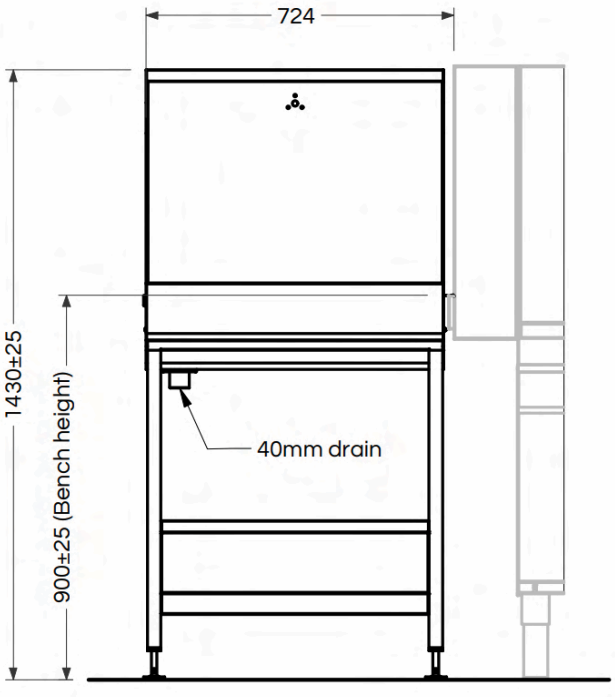
Troughs can be factory fitted or installed on location. They can be installed on either side using the inlet bench adaptor bracket. The below installation detail features T700s. The same installation instructions also apply for other troughs, though some dimensions may vary.

1. Mark and attach wall bracket to wall using trough to position.
2. Hook trough onto dishwasher bench adaptor bracket



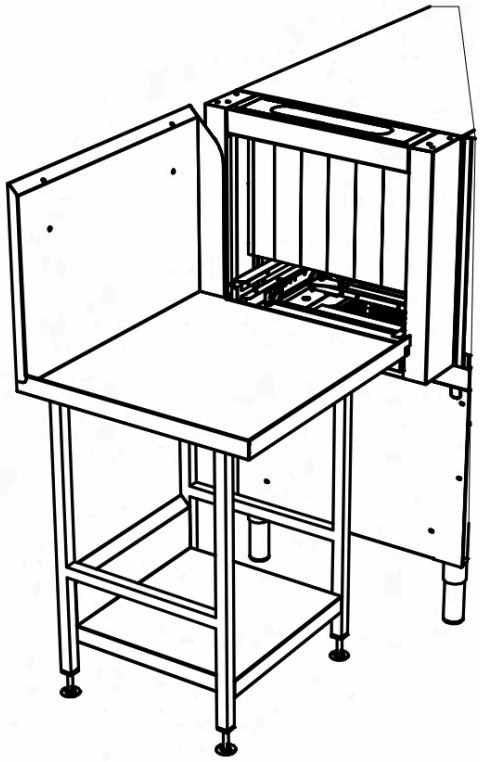




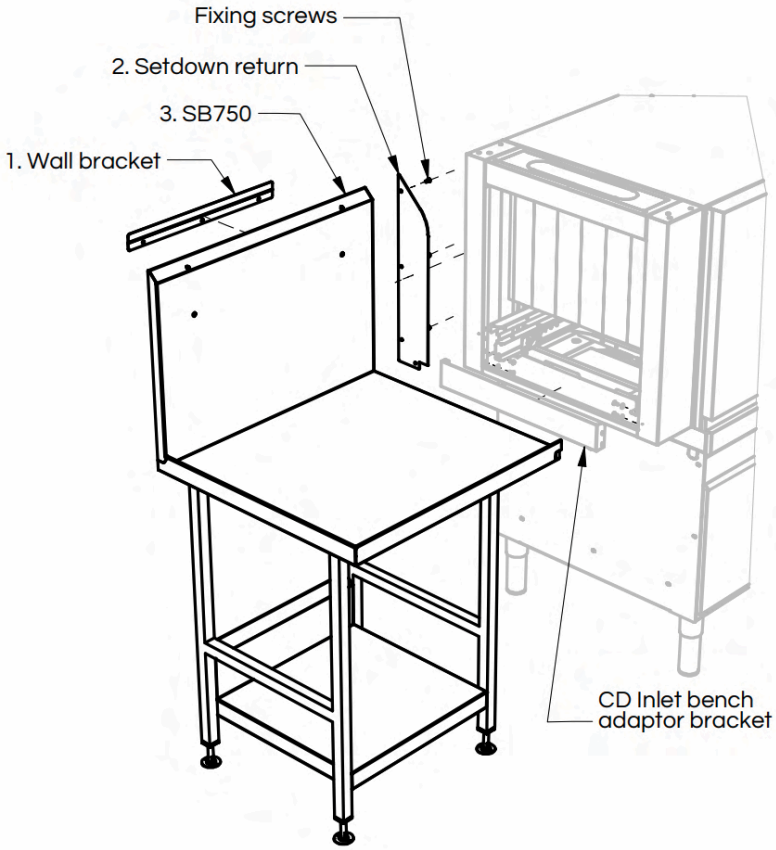


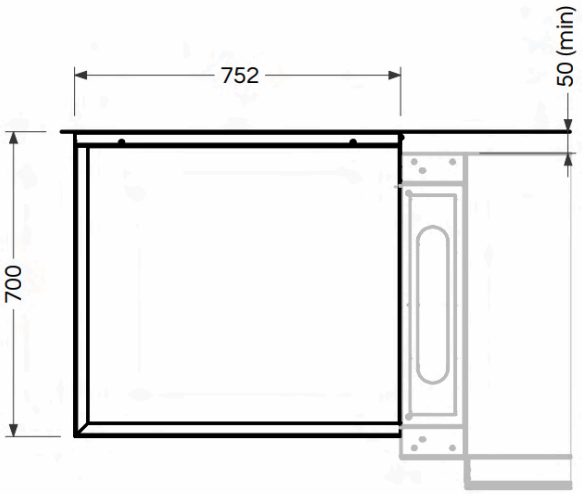
SB750 Installation

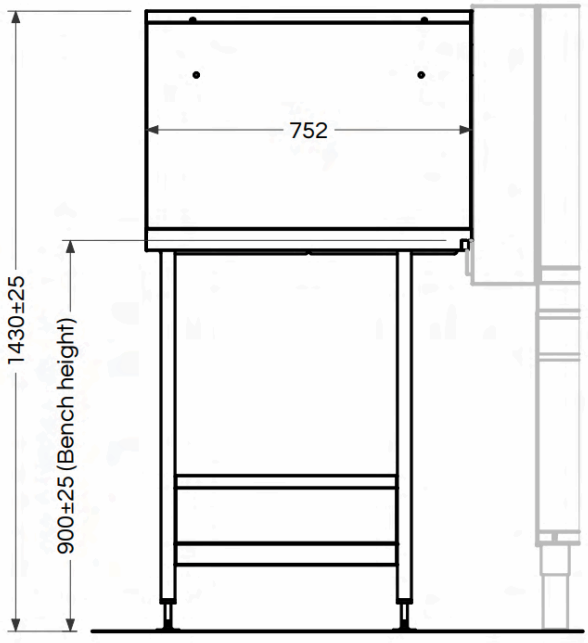
Setdown benches can be factory fitted or installed on location. Setdonw benches are manufactured differently for left-side or right-side installation. The below installation detail features SB750s. The same installation instructions also apply for other setdown benches, though some dimensions may vary.



1. Mark and attach wall bracket to wall using trough to position
2. Attach setdown return to SB750 if supplied separate
3. Hook SB750 onto dishwasher bench adaptor bracket and level setdown to dishwasher as required.







Sorting Stations

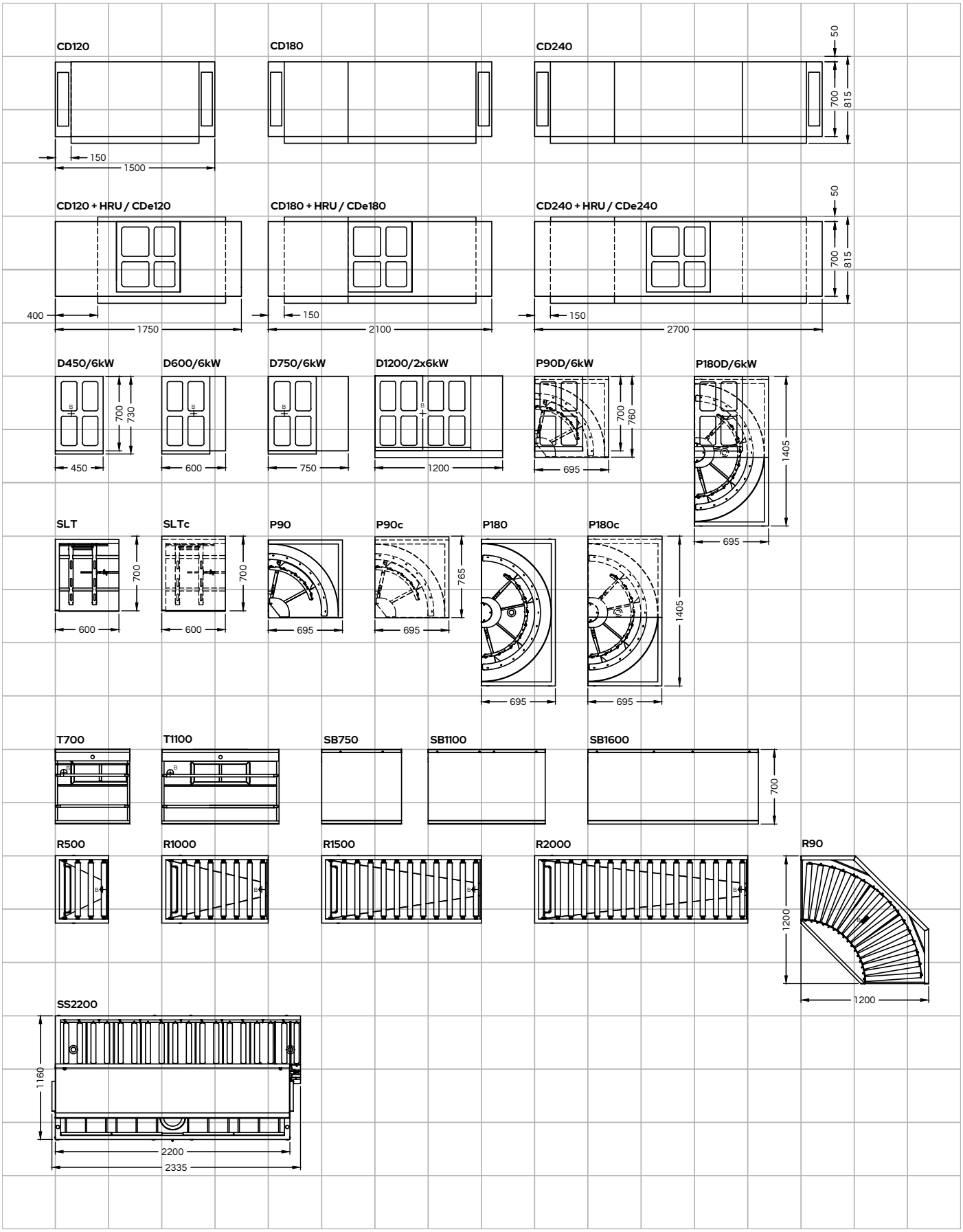
New for 2021 are customisable, all-in-one sorting stations, an ideal solution for loading and pre-rinsing items in medium to large systems. These stations include adjustable upper shelving, lower storage shelves, a wide heavy-duty stainless steel trough, heavy-duty stainless steel scrap basket and a pawl driven roller table that automatically loads racks into the dishwasher. Two pre-rinse sprayer units can be optioned. This solution is designed to enable 1 to 3 people to load racks into the system quickly and efficiently, optimising loading procedures to maximise the usable capacity of the system.

Sorting Station

Variants:
- SS2200 (pictured)
- SS2200i (independent drive motor)

Custom variants also available.

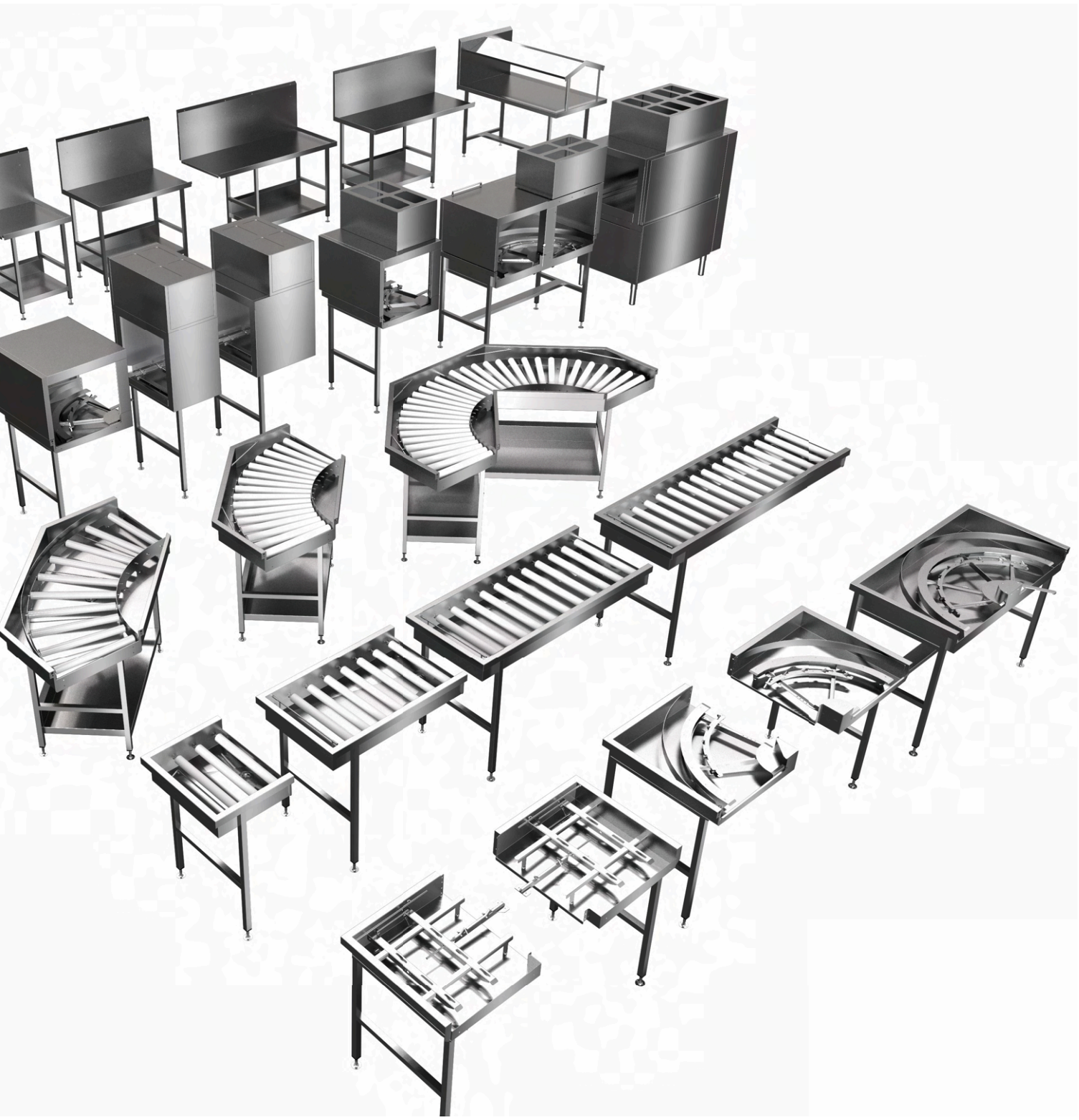
Layout Guide



Product Index

CODE	PRODUCT
SCD120	CD120
SCDE120	CDe120
SCD180	CD180
SCDE180	CDe180
SCD240	CD240
SCDE240	CDe240
B4050011	SLT (left-side)
B4050012	SLT (right-side)
B4080011	P90 (left-side)
B4080012	P90 (right-side)
B4440510	R500
B4440512	R500 (open-end)
B4441010	R1000
B4441012	R1000 (open-end)
B4441510	R1500
B4441512	R1500 (open-end)
B4441515	RLS
B4000700	T700s
B4000703	T700s (400mm trough depth)
B4001100	T1100s
B4001101	T1100s (400mm trough depth)
B401060/0-9	SB600
	SB600s (underbench shelf)
B401075/0-9	SB750
	SB750s (underbench shelf)
B401110/0-9	SB1100
	SB1100s (underbench shelf)
B401160/0-9	SB1600
	SB1600s (underbench shelf)

Note: Unlisted products are non-stock items and typically ordered as part of a project order.



All Washtech products are designed and manufactured using the internationally recognised ISO9001 quality management system, spanning design, manufacture and final inspection, ensuring consistently high quality.

Washtech continually seeks to develop and improve our products, thus Washtech reserves the right to change specifications and design without prior notice.

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