Installation manual

Washer — Light Dry

WLD720, WLD725, WLD730, WLD745, WLD762, WLD777

Type W3...

438905536/US
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WARRANTY CLAIMS

Wascomat's Technical Support Staff will honor valid manufacturer's parts warranty claims providing your Wascomat machines are registered for warranty coverage upon installation. If they are not registered, you can validate your warranty claim by providing information about when and where you purchased the Wascomat machine(s), the model and serial number(s). Additional warranty proof may also be required.

WARNING: ALL OPERATING AND MAINTENANCE PROCEDURES SHOWN ON THE NEXT PAGE OF THIS MANUAL MUST BE FOLLOWED DAILY FOR PROPER OPERATION OF YOUR MACHINE.

MAKE CERTAIN TO KEEP THIS MANUAL IN A SECURE PLACE FOR FUTURE REFERENCE.

PLEASE ENTER THE FOLLOWING INFORMATION AS IT APPEARS ON THE MACHINE(S) DATA PLATE(S).

MACHINE TYPE OR MODEL	
MACHINE SERIAL NUMBER(S)	
ELECTRICAL CHARACTERISTICS:_____ VOLTS,_ _____ PHASE,_____ HZ.	

IMPORTANT SAFETY INSTRUCTIONS

WARNING -

To reduce the risk of fire, electric shock, or injury to persons when using your appliance, including the following:

1. Read all instructions before using the appliance.
2. This machine must be securely bolted to an uncovered concrete floor.
3. This machine MUST be serviced and operated in compliance with manufacturers instructions.
   CHECK DOOR LOCKS EVERY DAY FOR PROPER OPERATION TO PREVENT INJURY OR DAMAGE. IF THE DOOR LOCK FAILS TO OPERATE PROPERLY, PLACE THE MACHINE OUT OF ORDER UNTIL THE PROBLEM IS CORRECTED.
4. Do not wash articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, drycleaning solvents, or other flammable or explosive substances, as they give off vapors that could ignite or explode.
5. Do not add gasoline, dry-cleaning solvents, or other flammable or explosive substances to the wash water. These substances give off vapours that could ignite or explode.
6. Under certain conditions, hydrogen gas may be produced in a hot-water system that has not been used for weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot-water system has not been used for such a period, before using a washing machine, turn on all hot-water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during thes time.
7. Do not allow children to play on or in the appliance. Close supervision of children is necessary when the appliance is used near children.
8. Before the appliance is removed from service or discarded, remove the door.
9. Do not reach into the appliance if the tub is moving.
10. Do not install or store this appliance where it will be exposed to the weather.
11. Do not tamper with controls.
12. Do not repair or replace any part of the appliance or attempt any servicing unless specifically recommended in the user-maintenance instructions or in published user-repair instructions that you understand and have the skills to carry out.
13. Changing of fuses inside the washing machine may only be carried out by authorized personnel.
14. This machine MUST be connected to a dedicated electrical circuit to which no other lighting unit or general purpose receptacle is connected. Use copper conductior only.

NOTICE TO: OWNERS, OPERATORS AND DEALERS

IMPROPER INSTALLATION AND INADEQUATE MAINTENANCE, POOR HOUSEKEEPING AND WILLFUL NEGLECT OR BYPASSING OF SAFETY DEVICES MAY RESULT IN SERIOUS ACCIDENTS OR INJURY. TO ASSURE THE SAFETY OF CUSTOMERS AND/OR OPERATORS OF YOUR MACHINE, THE FOLLOWING MAINTENANCE CHECKS MUST BE PERFORMED ON A DAILY BASIS.

1. **Prior to operation of the machine**, check to make certain that all operating instructions and warning signs are affixed to the machine and legible. Missing or illegible ones must be replaced immediately. Be sure you have spare signs and labels available at all times. These can be obtained from your dealer.
2. **Check the door safety interlock, as follows:**
   a. OPEN THE DOOR of the machine and attempt to start in the normal manner:
      For coin-operated models, insert the proper coins to start the machine.
      For manually operated models, place the ON-OFF switch in the ON position and press the Start switch.

THE MACHINE(S) MUST NOT START !

   b. CLOSE THE DOOR to start machine operation and, while it is operating, attempt to open the door without exerting extreme force on the door handle. The door should remain locked!
      If the machine can start with the door open, or can continue to operate with the door unlocked, the door interlock is no longer operating properly. The machine **must** be placed **out of order** and the interlock immediately replaced.
3. DO NOT UNDER ANY CIRCUMSTANCES ATTEMPT TO BYPASS OR REWIRE ANY OF THE MACHINE SAFETY DEVICES AS THIS CAN RESULT IN SERIOUS ACCIDENTS.
4. **Be sure to keep the machine(s) in proper working order:** Follow **all** maintenance and safety procedures. Further information regarding machine safety, service and parts can be obtained from your dealer.
   All requests for assistance must include the model, serial number and electrical characteristics as they appear on the machine identification plate. Insert this information in the space provided on the previous page of this manual.
5. **WARNING:** DO NOT OPERATE MACHINE(S) WITH SAFETY DEVICES BYPASSED, REWIRED OR INOPERATIVE! DO NOT OPEN MACHINE DOOR UNTIL DRUM HAS STOPPED ROTATING!

AVERTISSEMENT : TOUTES LES PROCÉDURES DE FONCTIONNEMENT ET DE MAINTENANCE INDIQUÉES À LA PAGE SUIVANTE DE CE MANUEL DOIVENT ÊTRE SUIVIES QUOTIDIENNEMENT POUR GARANTIR LE BON FONCTIONNEMENT DE VOTRE MACHINE.

GARDEZ CE MANUEL DANS UN ENDROIT SÉCURISÉ POUR RÉFÉRENCE ULTÉRIEURE.

VEUILLEZ ÉCRIRE LES INFORMATIONS SUIVANTES QUI FIGURENT SUR LA OU LES PLAQUES SIGNALÉTIQUES DE LA OU DES MACHINES.

TYPE OU MODÈLE DE MACHINE	
NUMÉRO(S) DE SÉRIE DE LA OU DES MACHINES	
CARACTÉRISTIQUES ÉLECTRIQUES :_____ VOLTS,_ _____ PHASES,_____ HZ.	

INSTRUCTIONS DE SÉCURITÉ IMPORTANTES

AVERTISSEMENT -

Pour réduire le risque d'incendie, de choc électrique ou de blessures aux personnes lors de l'utilisation de votre appareil, y compris les points suivants :

1. Lisez toutes les instructions avant d'utiliser l'appareil.
2. Cette machine doit être solidement boulonnée sur un sol en béton non recouvert.
3. Cette machine DOIT être entretenue et utilisée conformément aux instructions du fabricant.
   VÉRIFIEZ TOUS LES JOURS LE VERROUILLAGE DE LA PORTE POUR GARANTIR UN BON FONCTIONNEMENT ET ÉVITER LES BLESSURES OU LES DOMMAGES. SI LE VERROUILLAGE DE LA PORTE NE FONCTIONNE PAS CORRECTEMENT, PLACEZ LA MACHINE HORS SERVICE JUSQU'À CE QUE LE PROBLÈME SOIT CORRIGÉ.
4. Ne lavez pas les articles qui ont été préalablement nettoyés, lavés, imbibés ou repérés à l'aide d'essence, de solvants pour nettoyage à sec ou d'autres substances inflammables ou explosives, car ces articles dégagent des vapeurs susceptibles de s'enflammer ou d'exploser.
5. N'ajoutez pas d'essence, de solvants pour nettoyage à sec ou d'autres substances inflammables ou explosives à l'eau de lavage. Ces substances dégagent des vapeurs qui pourraient s'enflammer ou exploser.
6. Dans certaines conditions, de l'hydrogène gazeux peut être produit dans un système d'eau chaude qui n'a pas été utilisé pendant des semaines ou plus. L'HYDROGÈNE EST UN GAZ EXPLOSIF. Si le système d'eau chaude n'a pas été utilisé pendant une telle période, avant d'utiliser un lave-linge, ouvrez tous les robinets d'eau chaude et laissez l'eau couler pendant plusieurs minutes. Ceci permet de libérer toute accumulation d'hydrogène. Comme le gaz est inflammable, ne fumez pas ou n'utilisez pas de flamme nue pendant ce temps.
7. Ne laissez pas les enfants jouer sur ou dans l'appareil. Une surveillance étroite des enfants est nécessaire lorsque l'appareil est utilisé à proximité d'enfants.
8. Avant de mettre l'appareil hors service ou de le mettre au rebut, retirez la porte.
9. Ne touchez pas à l'intérieur de l'appareil si la cuve se déplace.
10. N'installez pas et ne rangez pas cet appareil dans un endroit exposé aux intempéries.
11. N'altérez pas les commandes.
12. Ne réparez pas l'appareil et ne remplacez aucune pièce de l'appareil ; n'essayez pas non plus d'effectuer l'entretien à moins que ces mesures soient spécifiquement recommandées dans les instructions d'entretien de l'utilisateur ou dans les instructions de réparations destinées à l'utilisateur à condition que vous les compreniez et possédiez les compétences requises pour les mener à bien.
13. Le remplacement des fusibles à l'intérieur du lave-linge ne peut être effectué que par du personnel autorisé.
14. Cette machine DOIT être connectée à un circuit électrique dédié auquel aucune autre unité d'éclairage ou prise polyvalente n'est connectée. N'utilisez que des conducteurs en cuivre.

NOTICE POUR : LES PROPRIÉTAIRES, OPÉRATEURS ET REVENDEURS

UNE INSTALLATION INCORRECTE, UNE MAINTENANCE INADÉQUATE, UN MAUVAIS ENTRETIEN MÉNAGER ET LA NÉGLIGENCE VOLONTAIRE OU LE CONTOURNEMENT DES DISPOSITIFS DE SÉCURITÉ PEUVENT ENTRAÎNER DES ACCIDENTS OU DES BLESSURES GRAVES. POUR ASSURER LA SÉCURITÉ DES CLIENTS ET/OU DES OPÉRATEURS DE VOTRE MACHINE, LES CONTRÔLES DE MAINTENANCE SUIVANTS DOIVENT ÊTRE EFFECTUÉS SUR UNE BASE QUOTIDIENNE.

1. **Avant de faire fonctionner la machine**, vérifiez que toutes les instructions de fonctionnement et tous les panneaux d'avertissement sont apposés sur la machine et lisibles. Les informations manquantes ou illisibles doivent être remplacées immédiatement. Assurez-vous de toujours disposer de panneaux et d'étiquettes de remplacement. Vous pouvez les obtenir auprès de votre revendeur.

2. **Vérifiez le verrouillage de sécurité de la porte en procédant comme suit:**

   a. OUVREZ LA PORTE de la machine et essayez de démarrer la machine de la manière normale :

   Pour les modèles à pièces, insérez les pièces nécessaires pour démarrer la machine.

   Pour les modèles actionnés manuellement, placez l'interrupteur ON-OFF sur la position ON et appuyez sur l'interrupteur Démarrer.

LA MACHINE NE DOIT PAS DÉMARRER !

   b. FERMEZ LA PORTE pour démarrer la machine et, pendant qu'elle fonctionne, essayez d'ouvrir la porte sans exercer une force trop importante sur la poignée de porte. La porte doit rester verrouillée !

   Si la machine peut démarrer avec la porte ouverte, ou peut continuer à fonctionner avec la porte déverrouillée, le dispositif de verrouillage de la porte ne fonctionne plus correctement. La machine **doit** être mise **hors service** et le dispositif de verrouillage doit être remplacé immédiatement.

3. N'ESSAYEZ DANS AUCUNE CIRCONSTANCE DE CONTOURNER OU DE MODIFIER LES DISPOSITIFS DE SÉCURITÉ DE LA MACHINE, CECI POUVANT ENTRAÎNER DES ACCIDENTS GRAVES.

4. **Assurez-vous de garder la ou les machines en bon état de fonctionnement :** Suivez **toutes** les procédures de maintenance et de sécurité. De plus amples informations concernant la sécurité de la machine, la maintenance et les pièces peuvent être obtenues auprès de votre revendeur.

   Toutes les demandes d'assistance doivent comporter le modèle, le numéro de série et les caractéristiques électriques indiqués sur la plaque d'identification de la machine. Écrivez ces informations dans l'espace prévu cet effet à la page précédente de ce manuel.

5. **AVERTISSEMENT :** NE FAITES PAS FONCTIONNER LA OU LES MACHINES AVEC DES DISPOSITIFS DE SÉCURITÉ CONTOURNÉS, MODIFIÉS OU INUTILISABLES ! N'OUVREZ LA PORTE DE LA MACHINE QUE LORSQUE LE TAMBOUR A ARRÊTÉ DE TOURNER !

ADVERTENCIA: TODOS LOS PROCEDIMIENTOS DE MANEJO Y MANTENIMIENTO QUE APARECEN EN LA SIGUIENTE PÁGINA DE ESTE MANUAL DEBERÁN SEGUIRSE DIARIAMENTE PARA EL CORRECTO FUNCIONAMIENTO DE LA MÁQUINA.

ASEGÚRESE DE CONSERVAR ESTE MANUAL EN UN LUGAR SEGURO PARA CONSULTARLO EN EL FUTURO.

INTRODUZCA LA SIGUIENTE INFORMACIÓN TAL Y COMO APARECE EN LAS PLACAS DE DATOS DE LA MÁQUINA.

TIPO O MODELO DE MÁQUINA	
NÚMERO DE SERIE DE LA MÁQUINA	
CARACTERÍSTICAS ELÉCTRICAS:_____ VOLTIOS,_ _____ FASE,_____ HZ.	

INSTRUCCIONES IMPORTANTES SOBRE SEGURIDAD

ADVERTENCIA:

Para reducir el riesgo de incendio, descarga eléctrica o lesiones personales al utilizar el dispositivo, incluyendo lo siguiente:

1. Lea las instrucciones antes de utilizar el dispositivo.
2. Esta máquina debe fijarse de forma segura a un suelo de hormigón visto.
3. Esta máquina DEBE repararse y utilizarse según se indica en las instrucciones del fabricante.
   COMPROBAR CADA DÍA QUE LOS CIERRES DE LA PUERTA FUNCIONAN CORRECTAMENTE PARA PREVENIR LESIONES O DAÑOS. SI EL CIERRE DE LA PUERTA NO FUNCIONA CORRECTAMENTE, DEJAR LA MÁQUINA FUERA DE SERVICIO HASTA QUE SE SOLUCIONE EL PROBLEMA.
4. No lavar artículos que se hayan limpiado previamente, lavado, sumergido o rociado con gasolina, disolventes para lavado en seco u otras sustancias inflamables o explosivas, ya que podrían desprender vapores que pudieran incendiarse o explotar.
5. No añadir gasolina, disolventes para lavado en seco u otras sustancias inflamables o explosivas al agua de lavado. Estas sustancias desprenden vapores que podrían incendiarse o explotar.
6. Bajo ciertas condiciones, puede producirse gas hidrógeno en un sistema de agua caliente que no se ha utilizado durante semanas o meses. EL GAS HIDRÓGENO ES EXPLOSIVO. Si no se ha utilizado el sistema de agua caliente durante un período tan largo de tiempo, antes de usar la máquina poner en marcha todas las instalaciones de agua caliente y dejar correr el agua durante varios minutos. Se liberará así el gas hidrógeno acumulado. Como el gas es inflamable, no fumar ni usar una llama abierta durante este tiempo.
7. No permitir que los niños jueguen con o cerca del dispositivo. Es necesaria una supervisión férrea de los niños si se usa el dispositivo cerca de ellos.
8. Antes de llevar la máquina a reparar o de desecharla, retirar la puerta.
9. No tocar la máquina si la cuba se está moviendo.
10. No instalar ni almacenar esta máquina en lugares en que quede expuesta a las inclemencias del tiempo.
11. No manipular con los controles.
12. No reparar ni sustituir ninguna pieza de la máquina ni tratar de realizar ningún tipo de mantenimiento salvo que se recomiende expresamente en las instrucciones de mantenimiento para el usuario o en las instrucciones de reparación para el usuario publicadas, y las entienda y cuente con las habilidades necesarias para llevar a cabo esas tareas.
13. El cambio de los fusibles de la lavadora sólo deberá realizarlo personal autorizado.
14. Esta máquina DEBE conectarse a un circuito eléctrico especializado al que no estará conectada ninguna otra unidad de iluminación ni ningún recipiente de uso general. Usar únicamente un conductor de cobre.

AVISO PARA: PROPIETARIOS, OPERADORES Y DISTRIBUIDORES

UNA INSTALACIÓN INCORRECTA Y UN MANTENIMIENTO INADECUADO, UNA MALA CONSERVACIÓN Y LA OMISIÓN DELIBERADA O PUENTEO DE LOS DISPOSITIVOS DE SEGURIDAD PODRÍA RESULTAR EN ACCIDENTES O LESIONES GRAVES. PARA GARANTIZAR LA SEGURIDAD DE LOS CLIENTES Y/O LOS OPERADORES DE SU MÁQUINA, DEBERÁN REALIZARSE LAS COMPROBACIONES DE MANTENIMIENTO SIGUIENTES A DIARIO.

1. **Antes de poner en marcha la máquina**, comprobar que todas las instrucciones de funcionamiento y señales de advertencia están acopladas a la máquina y son legibles. Las que falten o sean ilegibles deberán reemplazarse inmediatamente. Asegúrese de que dispone de signos y etiquetas de repuesto disponibles en todo momento. Puede adquirirlas de su distribuidor.
2. **Compruebe el cierre de seguridad de la puerta, como sigue:**
   a. ABRA LA PUERTA de la máquina y trate de ponerla en marcha como haría normalmente:
      En los modelos que funcionan con monedas, inserte las monedas correspondientes para ponerla en marcha.
      En los modelos de funcionamiento manual, coloque el interruptor ON-OFF en la posición ON y pulse el interruptor START.

¡LA MÁQUINA NO DEBE PONERSE EN MARCHA!

   b. CIERRE LA PUERTA para poner en marcha la máquina y, mientras está funcionando, trate de abrir la puerta sin ejercer una fuerza excesiva sobre el asa. ¡La puerta debe mantenerse cerrada!
      Si la máquina puede ponerse en marcha con la puerta abierta, o puede continuar funcionando con la puerta desbloqueada, el cierre no está funcionando correctamente. La máquina **debe** dejarse **fuera de servicio** y el cierre debe reemplazarse inmediatamente.
3. NO TRATE, BAJO NINGUNA CIRCUNSTANCIA, DE PUENTEAR O VOLVER A CABLEAR NINGUNO DE LOS DISPOSITIVOS DE SEGURIDAD DE LA MÁQUINA, YA QUE PODRÍAN PRODUCIRSE ACCIDENTES GRAVES.
4. **Asegúrese de mantener las máquinas en funcionamiento:** Siga **todos** los procedimientos de mantenimiento y seguridad. Puede obtener más información sobre la seguridad de la máquina, su mantenimiento y piezas de repuesto de su distribuidor.
   Todas las solicitudes de asistencia deben incluir el modelo, número de serie y características eléctricas tal y como aparecen en la placa de identificación de la máquina. Introduzca esta información en el espacio correspondiente en la página anterior de este manual.
5. **ADVERTENCIA:** ¡NO PONGA EN MARCHA LA MÁQUINA CON LOS DISPOSITIVOS DE SEGURIDAD PUENTEADOS, RE-CLABEADOS O INOPERATIVOS! ¡NO ABRA LA PUERTA DE LA MÁQUINA HASTA QUE EL TAMBOR HAYA DEJADO DE GIRAR!

NOTICE TO INSTALLER

Improper installation of this machine:

- May cause serious damage to the machine.
- May result in other property damage.
- May cause personal injury.
- Will void the manufacturer's warranty.

Improper fastening of this machine to its foundation, inferior foundation materials, an undersized foundation, the use of fabricated steel bases not provided by Wascomat or its approved supplier(s), the use of an improper type, number, or size of mounting bolts, or failure to use proper hardware on mounting bolts may result in damage to the machine that will not be covered by the manufacturer's warranty.

Connection to line Voltage or over-current protection devices other than those specified on the data plate may result in severe damage to machine components, and will void the manufacturer's warranty.

Refer to complete installation instructions provided in manuals accompanying the machine.

Contact Wascomat Technical Support with any questions BEFORE installing this machine. Damage resulting from inadequate installation materials or improper installation techniques will void the manufacturer's warranty.

Contents

The manufacturer reserves the right to make changes to design and component specifications.

1 Safety Precautions

- Servicing shall be carried out only by authorized personnel.
- Only authorized spare parts, accessories and consumables shall be used.
- Only use detergent intended for water-wash of textiles. Never use dry cleaning agents.
- The machine shall be connected with new water hoses. Re-used water hoses must not be used.
- The machine's door lock must under no circumstances be bypassed.
- If the machine develops a fault, this must be reported to the person in charge as soon as possible. This is important both for your safety and that of others.
- DO NOT MODIFY THIS APPLIANCE.
- When performing service or replacing parts, the power must be disconnected.
- When the power is disconnected, the operator must see that the machine is disconnected (that the plug is removed and remains removed) from any point to which he has access. If this is not possible, due to the construction or installation of the machine, a disconnection with a locking system in the isolated position shall be provided.
- In accordance with the wiring rules: mount a multi-pole switch prior to the machine to facilitate installation and service operations.
- If different rated voltages or different rated frequencies (separated by a /) are stated at the machine data plate, instructions for adjusting the appliance for operation at the required rated voltage or rated frequency are stated in the installation manual.
- Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III, the instructions state that means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- The openings in the base, shall not be obstructed by a carpet.
- Maximum mass of dry cloth: WLD720: 9 kg / 20 lbs, WLD725: 11 kg / 25 lbs, WLD730: 14 kg / 30 lbs, WLD745: 20 kg / 45 lbs, WLD762: 28 kg / 62 lbs, WLD777: 35 kg / 77 lbs.
- A-weighted emission sound pressure level at working stations:
  – Wash: WLD720: <70 dB(A), WLD725: <70 dB(A), WLD730: <70 dB(A), WLD745: <70 dB(A), WLD762: <70 dB(A), WLD777: <70 dB(A).
  – Extraction: WLD720: <70 dB(A), WLD725: <70 dB(A), WLD730: <70 dB(A), WLD745: <70 dB(A), WLD762: <70 dB(A), WLD777: <70 dB(A).
- Maximum inlet water pressure: 1000 kPa / 145 psi
- Minimum inlet water pressure: 50 kPa / 8 psi

1.1 General safety information

The machine is only intended for water-wash use.

Do not hose down the machine with water.

In order to prevent damage to the electronics (and other parts) that may occur as the result of condensation, the machine should be placed in room temperature for 24 hours before being used for the first time.

1.2 Commercial use only

The machine/machines covered by this manual is/are made for commercial and industrial use only.

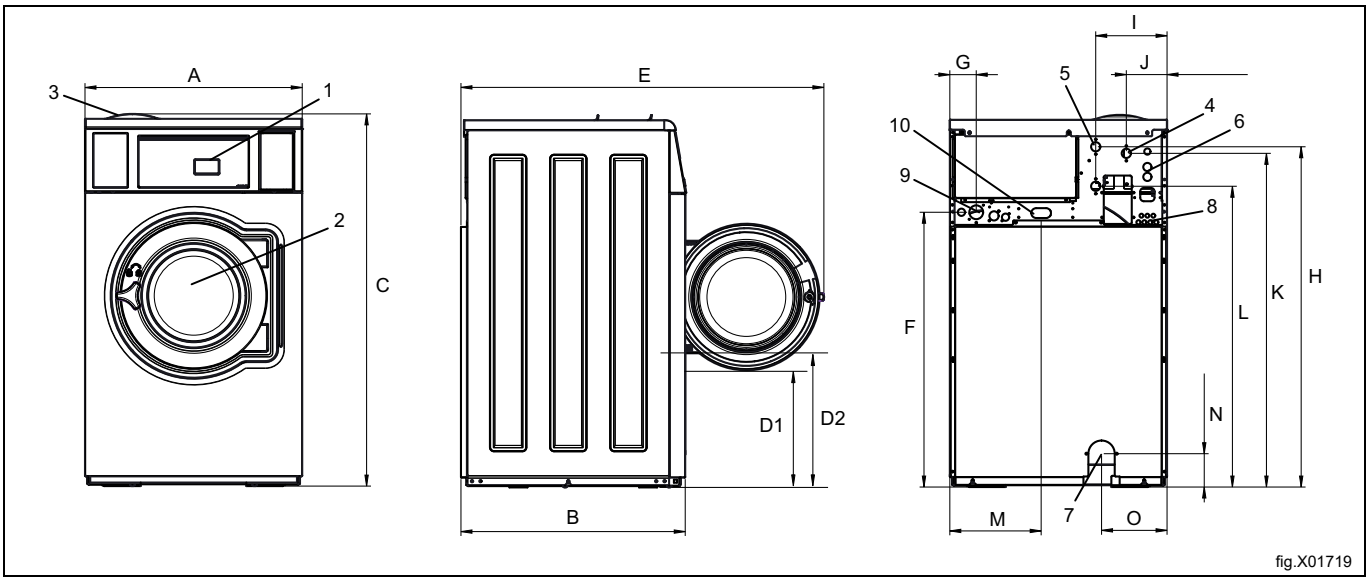
1.3 Symbols

	Caution
	Caution, high voltage
	Read the instructions before using the machine

2 Technical data

2.1 Drawing

2.1.1 WLD720, WLD725

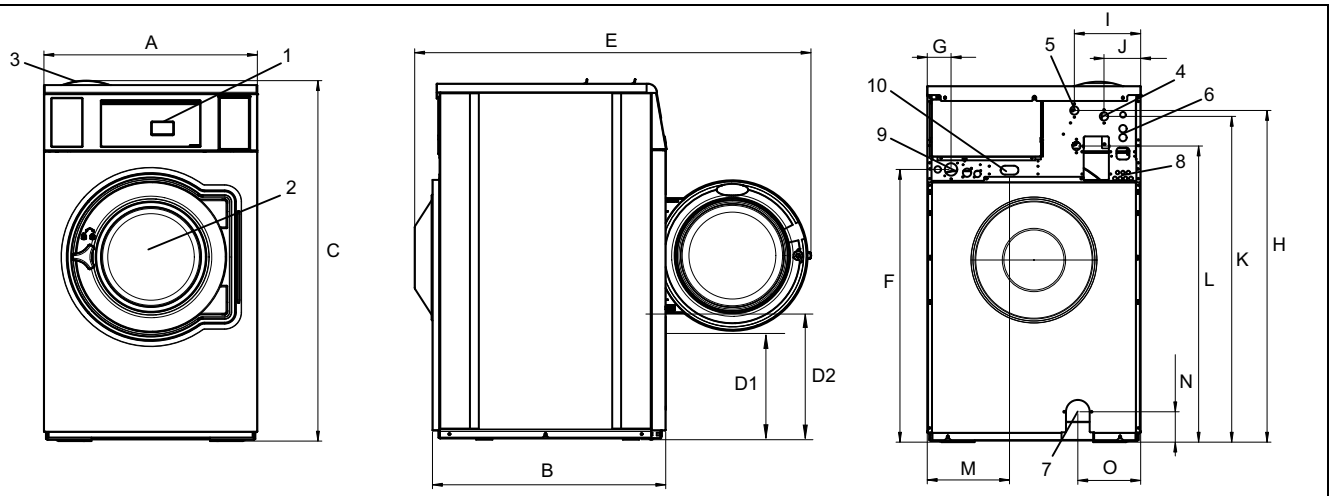


1	Operating panel
2	Door opening, WLD720: ⌀ 310 mm / 12 3/16 inch, WLD725: ⌀ 365 mm / 14 3/8 inch
3	Detergent container
4	Cold water
5	Hot water
6	Re-used water
7	Drain valve
8	Liquid detergent supply
9	Electrical connection
10	Steam connection

mm inch	A	B	C	D1	D2	E	F	G
WLD720	660 26	725 28 9/16	1135 44 11/16	360 14 3/16	425 16 3/4	1150 45 1/4	835 32 7/8	80 3 1/8
WLD725	720 28 3/8	700 27 9/16	1220 48 1/16	370 14 9/16	440 17 5/16	1185 46 5/8	920 36 1/4	80 3 1/8

mm inch	H	I	J	K	L	M	N	O
WLD720	1035 40 3/4	215 8 7/16	125 4 15/16	1015 39 15/16	915 36	280 11	105 4 1/8	200 7 7/8
WLD725	1120 44 1/8	215 8 7/16	125 4 15/16	1100 43 5/16	1000 39 3/8	280 11	105 4 1/8	210 8 1/4

2.1.2 WLD730



1	Operating panel
2	Door opening, WLD730: ⌀ 365 mm / 14 3/8 inch
3	Detergent container
4	Cold water
5	Hot water
6	Re-used water
7	Drain valve
8	Liquid detergent supply
9	Electrical connection
10	Steam connection

mm inch	A	B	C	D1	D2	E	F	G
WLD730	720 28 3/8	790 31 1/8	1220 48 1/16	370 14 9/16	440 17 5/16	1335 52 9/16	920 36 1/4	80 3 1/8

mm inch	H	I	J	K	L	M	N	O
WLD730	1120 44 1/8	215 8 7/16	125 4 15/16	1100 43 5/16	1000 39 3/8	280 11	105 4 1/8	210 8 1/4

2.1.3 WLD745

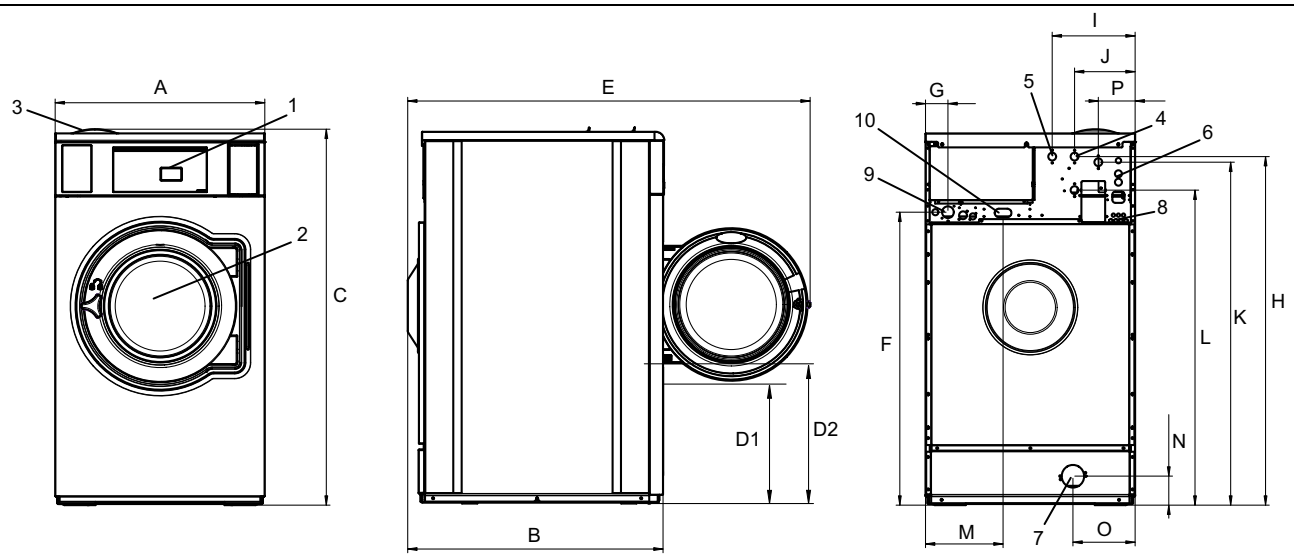


fig.X01721

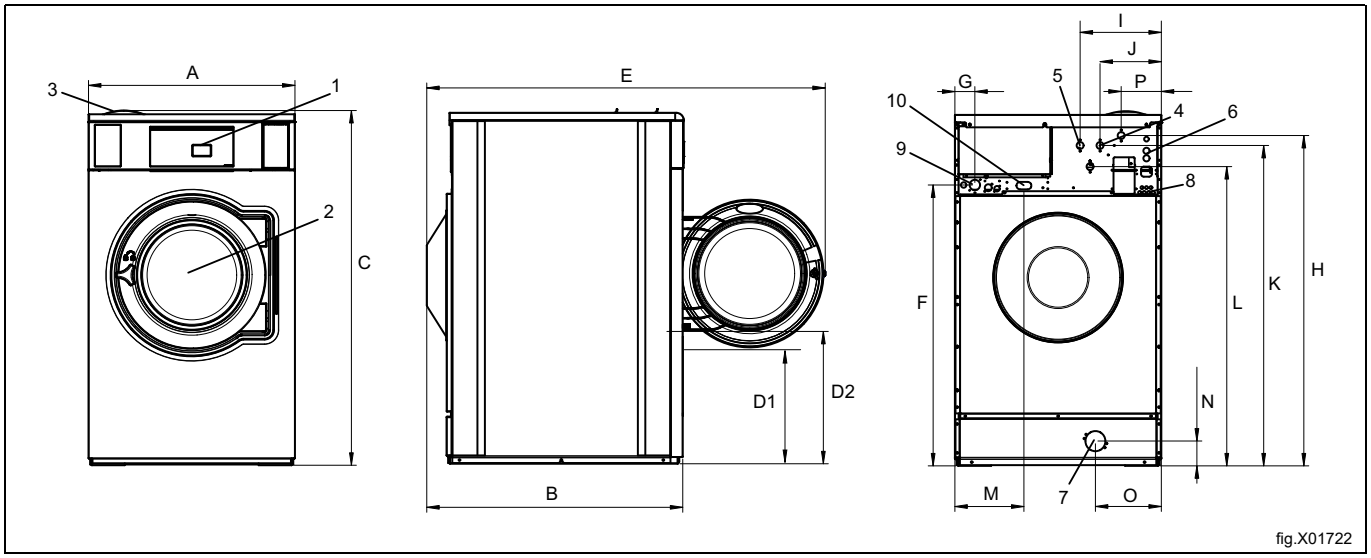
1	Operating panel
2	Door opening, WLD745: ⌀ 395 mm / 15 9/16 inch
3	Detergent container
4	Cold water
5	Hot water
6	Re-used water
7	Drain valve
8	Liquid detergent supply
9	Electrical connection
10	Steam connection

mm inch	A	B	C	D1	D2	E	F	G
WLD745	750 29 1/2	915 36	1345 52 15/16	440 17 5/16	515 20 1/4	1435 56 1/2	1050 41 5/16	80 3 1/8

mm inch	H	I	J	K	L	M	N
WLD745	1245 49	295 11 5/8	215 8 7/16	1225 48 1/4	1125 44 5/16	280 11	105 4 1/8

mm inch	O	P
WLD745	225 8 7/8	130 5 1/8

2.1.4 WLD762, WLD777



1	Operating panel
2	Door opening, WLD762, WLD777: ⌀ 435 mm / 17 1/8 inch
3	Detergent container
4	Cold water
5	Hot water
6	Re-used water
7	Drain valve
8	Liquid detergent supply
9	Electrical connection
10	Steam connection

mm inch	A	B	C	D1	D2	E	F	G
WLD762	830 32 11/16	1030 40 9/16	1430 56 5/16	470 18 1/2	550 21 5/8	1590 62 5/8	1135 44 11/16	80 3 1/8
WLD777	910 35 13/16	1115 43 7/8	1465 57 11/16	505 19 7/8	585 22 1/16	1675 65 15/16	1170 46 1/16	80 3 1/8

mm inch	H	I	J	K	L	M	N
WLD762	1330 52 3/8	325 12 13/16	245 9 5/8	1290 50 13/16	1205 47 7/16	280 11	105 4 1/8
WLD777	1365 53 3/4	345 13 9/16	245 9 5/8	1325 52 3/16	1245 49	280 11	105 4 1/8

mm inch	O	P
WLD762	265 10 7/16	160 6 5/16
WLD777	210 8 1/4	160 6 5/16

2.2 Technical data

		WLD720	WLD725	WLD730	WLD745	WLD762	WLD777
Weight, net	kg lbs	114 251	152 335	154 340	207 456	262 578	307 677
Drum volume	litres ft³	85 3.0	105 3.7	130 4.6	180 6.4	250 8.8	330 11.7
Drum diameter	mm inch	520 20 1/2	595 23 7/16	595 23 7/16	650 25 9/16	725 28 9/16	795 31 5/16
Drum speed during wash	rpm	49	46	46	44	42	40
Drum speed during extraction	rpm	587	548	548	525	497	474
G-factor, max.		100	100	100	100	100	100
Heating: Electricity	kW	3.0	3.0	3.0	13	18	23
	kW	5.4	5.6	7.5			
	kW	5.6	6.5	10			
	kW	7.5	7.5				
	kW		10				
Heating: Steam		x	x	x	x	x	x
Heating: Hot water		x	x	x	x	x	x
Frequency of the dynamic force	Hz	11.2	10.4	10.4	10.0	9.5	9.0
Floor load at max extraction	kN lbs force	1.5 ± 2.9 330± 640	1.9 ± 3.2 420± 720	2.4 ± 4.0 520± 900	2.9 ± 5.0 650± 1130	3.8 ± 6.3 850± 1420	4.6 ± 7.3 1020± 1650
Sound power/pressure level at extraction*	dB(A)	68/53	68/53	68/53	70/55	70/54	72/57
Sound power/pressure level at wash*	dB(A)	62/48	62/47	62/47	67/52	66/50	67/51
Heat emission of installed power, max	%	5	5	5	5	5	5

* Sound power levels measured according to ISO 60704.

2.3 Connections

		WLD720	WLD725	WLD730	WLD745	WLD762	WLD777
Water valves	NH	3/4”	3/4”	3/4”	3/4” *	3/4”	3/4”
Recommended water pressure	kPa psi	200–600 30–90	200–600 30–90	200–600 30–90	200–600 30–90	200–600 30–90	200–600 30–90
Continuous operating pressure	kPa psi	50–800 8–116	50–800 8–116	50–800 8–116	50–800 8–116	50–800 8–116	50–800 8–116
Capacity at 300 kPa / 44 psi	l/min gallon/ min	20 5	20 5	20 5	30 8	60 15	60 15
Drain valve ⌀ outer	mm inch	75 3	75 3	75 3	75 3	75 3	75 3
Draining capacity	l/min gallon/ min	170 45	170 45	170 45	170 45	170 45	170 45
Steam valve connection	DN BSP	15 1/2”	15 1/2”	15 1/2”	15 1/2”	15 1/2”	15 1/2”
Recommended steam pressure	kPa psi	300–600 40–90	300–600 40–90	300–600 40–90	300–600 40–90	300–600 40–90	300–600 40–90
Functioning limits for steam valve	kPa psi	50–800 8–115	50–800 8–115	50–800 8–115	50–800 8–115	50–800 8–115	50–800 8–115

* There are NH and DN (BSP) threaded on the valves of this machine, please refer to Water connection section for further information.

3 Setup

3.1 Unpacking

Note!
For WLD730–WLD777 two persons are recommended for the unpacking.

Remove the front and rear panel.

Remove the bolts between the machine and pallet. There is one to the right in the front of the machine and another diagonally opposed to it, at the back of the machine.

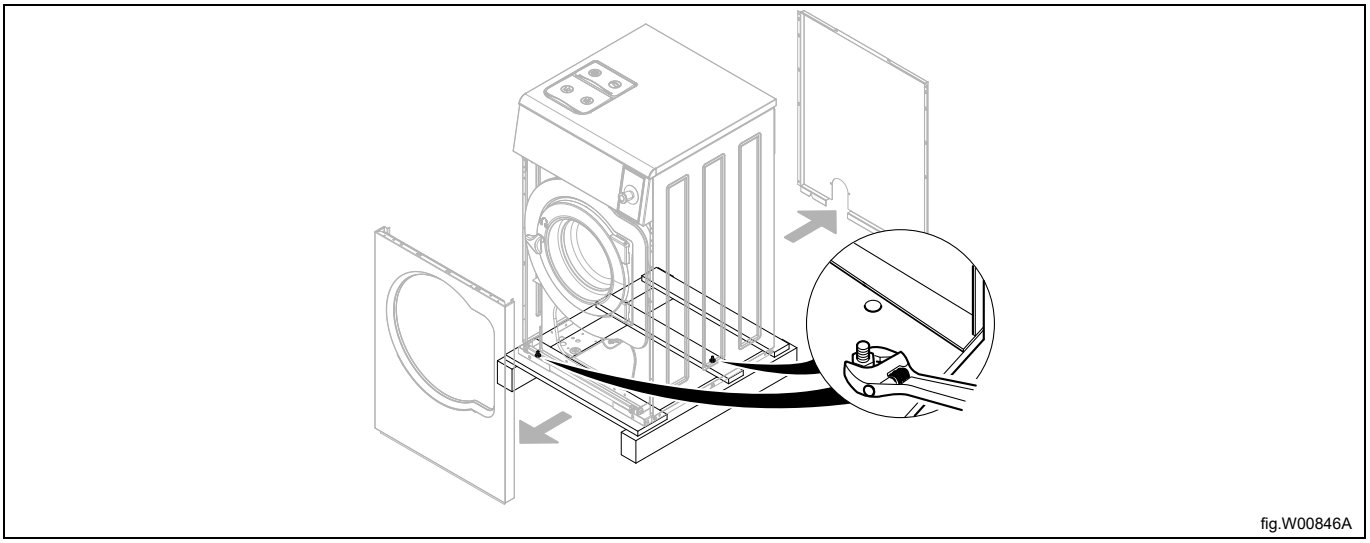


fig.W00846A

Remove the machine from the pallet.

Note!
When moving the machine, handle it with care.

Place the machine on its final position.

3.2 Recycling instruction for packaging

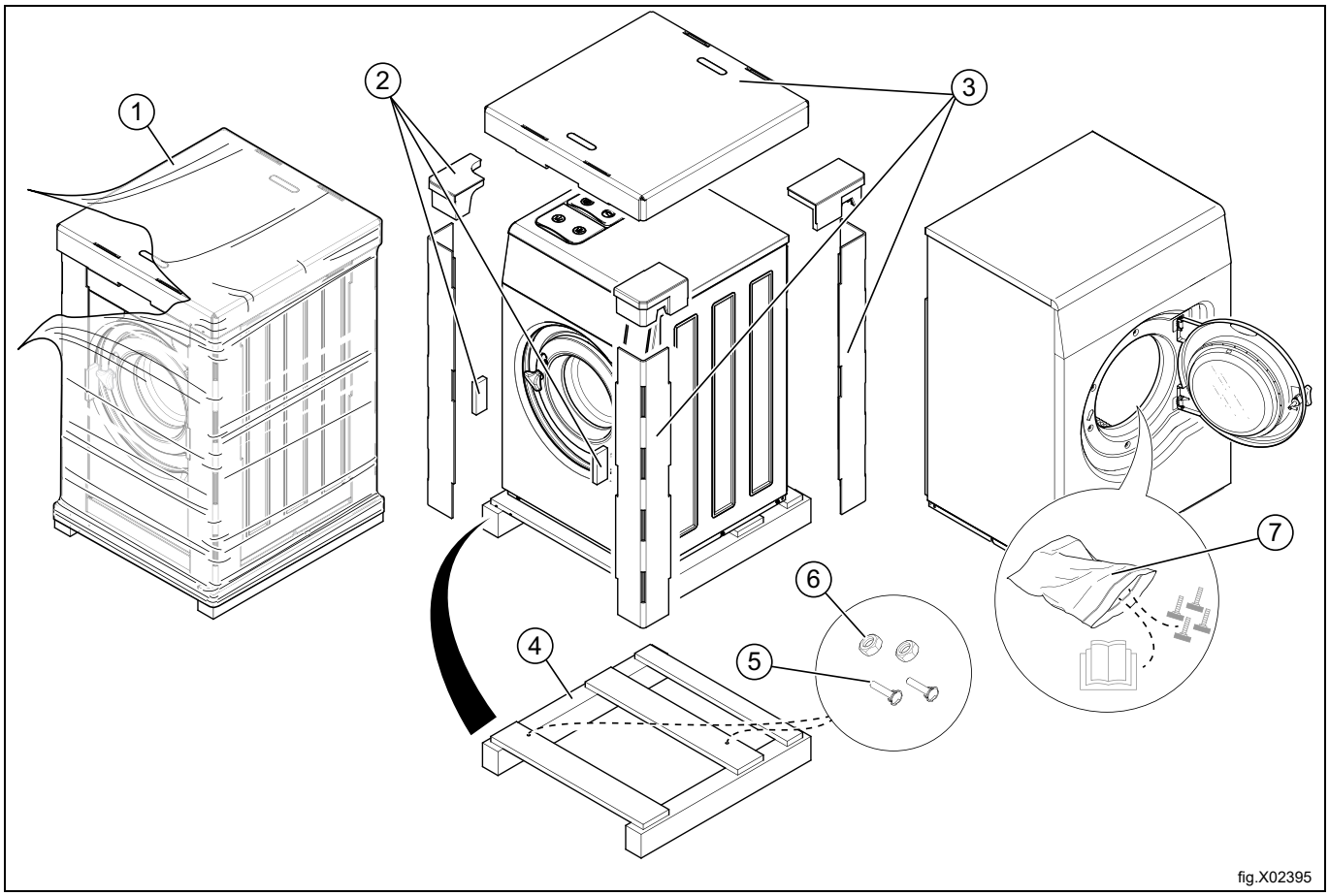


Fig.	Description	Code	Type
1	Wrapping film	LDPE 4	Plastics
2	Corner protection	PS 6	Plastics
3	Cardboard packaging	PAP 20	Paper
4	Pallet	FOR 50	Wood
5	Screw	FE 40	Steel
6	Nut	FE 40	Steel
7	Plastic bag	PET 1	Plastics

3.3 Siting

Install the machine close to a floor drain or open drain.

The machine should be positioned so that there is plenty of room for working, both for the user and service personnel.

The figure shows minimum distance to a wall and/or other machines. Failure to respect the prescribed distances will prevent easy access for maintenance and service operations.

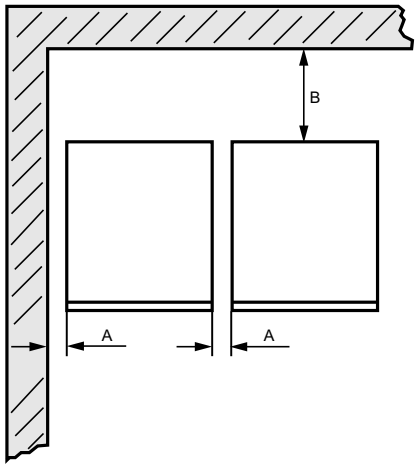


fig.X00959

A	25 mm / 1 inch
B	500 mm / 20 inch

3.4 Mechanical installation

Foundation requirement

In this type of machine, the drum is attached directly to the frame. As a result the floor under the machine must be stable enough to absorb the dynamic forces generated during spin cycles. For that reason, the mounting bolts must be cast into the floor material itself.

When securing the machine to an existing concrete floor, it must be at least 200 mm / 7 7/8 inch thick, with a minimum concrete strength of 20.7 MPa / 3000 psi. The floor must be free of seams and cracks.

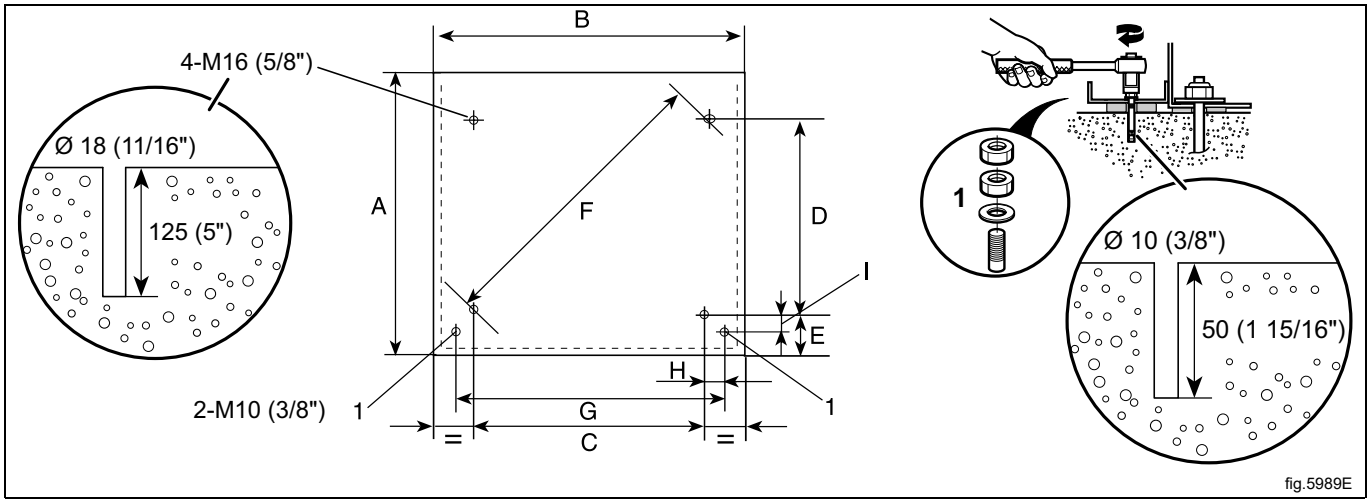
If the floor is less than 200 mm / 7 7/8 inch, an alternative might be to cast a plinth. The floor must be able to withstand the loads indicated in the table in the Technical data section.

If an existing concrete floor (of 200 mm / 7 7/8 inch minimum thickness) is to serve as the foundation, but it is not possible to cast “J” bolts into the concrete, an alternative is to use so called chemical anchor bolts.

The machine must be securely fastened to a suitable foundation using 4–M16 (5/8 inch) threaded rod, heavy duty flat washers and lock nuts or lock washers. **For WLD777: Also two M10 (3/8 inch) expansion bolts (1) MUST be installed at the front of the machine. If all six anchors are not properly installed, large vibrations in the machine’s cabinet may occur.**

Failure to properly secure the machine to its foundation, or securing the machine to an inadequate foundation, will result in severe vibration, damage to the machine, and will void the manufacturer’s warranty.

The following table shows the drilling points.



mm inch	A	B	C	D	E	F	G	H	I
WLD720	725 28 9/16	660 26	496 19 17/32	443 17 7/16	115 4 1/2	665 26 3/16	-	-	-
WLD725	700 27 7/8	720 28 3/8	575 22 41/64	387 15 15/64	120 4 3/4	693.1 27 9/32	-	-	-
WLD730	785 30 7/8	720 28 3/8	575 22 41/64	495 19 31/64	120 4 3/4	758.7 29 7/8	-	-	-
WLD745	875 34 7/16	750 29 1/2	636.5 25 1/16	569.5 22 27/64	120 4 3/4	854.1 33 5/8	-	-	-
WLD762	950 37 3/8	830 32 11/16	716 28 3/16	633 24 59/64	125 4 15/16	955.7 37 5/8	-	-	-
WLD777	1035 40 3/4	910 35 13/16	789.5 31 5/64	696 27 13/32	135 5 5/16	1052.5 41 7/16	811.5 31 61/64	11 7/16	94.5 3 23/32

Mark and drill all holes for bolts in the positions shown.

Fix the thread rod M16 to the floor.

After the machine has been placed over the other four M16 bolts, **at the expansion M10 bolts (1) (only valid for WLD777)**, place the two square spacers (t = 4 mm / 3/16 inch) over the two holes. They shall be placed between the machine and foundation. Insert the expansion bolts (1) into the holes drilled in the floor.

Level the machine by using stainless or galvanized steel square spacer between the machine and the floor.

The spacers must be of a size to cover the support surface.

Fit the heavy duty washer and self-locking nuts with the machine and tighten all nuts well.

To tighten the nuts it is recommended to use a ratchet wrench, especially in the right rear corner. Then final tighten torque as recommended spec is M16 (5/8 inch) = 150 Nm / 110.6 lb-ft. **WLD777: M10 (3/8 inch) = 40 Nm / 29.5 lb-ft.**

It is of the upmost importance that the machine is placed in level, from side to side as well as front to rear.

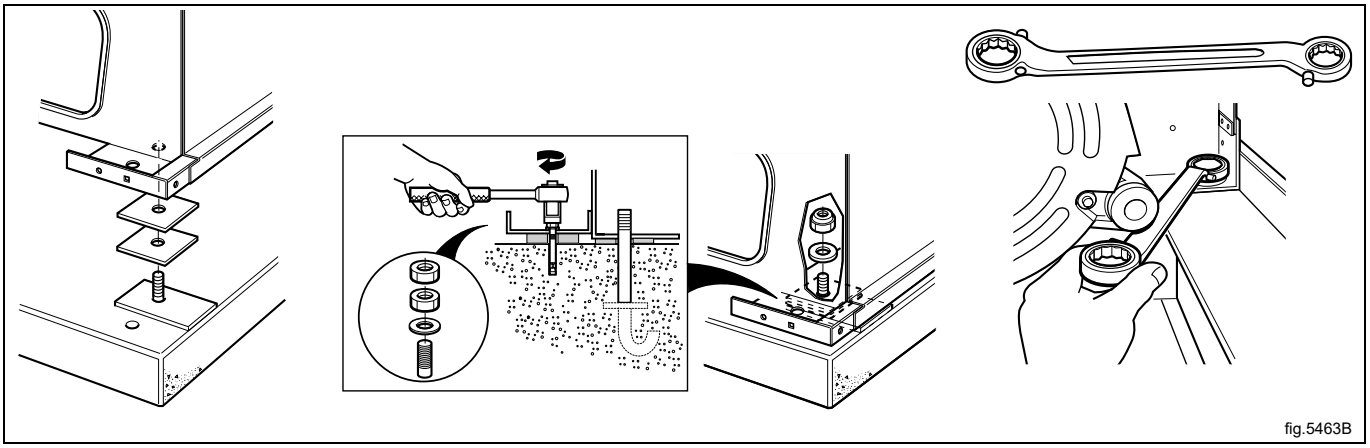


fig.5463B

After the machine has been in use for a while, check and re-tighten the nuts if necessary.

All nuts shall be checked and re-tighten every year.

Note!

Failure to closely follow the instructions provided in this manual may result in severe damage to the machine, and the risk of personal injury. The manufacturer is not responsible for damage or injury resulting from improper installation.

Note!

The use of chemical anchors and/or the use of a fabricated steel mounting base DOES NOT reduce the thickness requirement for the underlying concrete floor. The floor MUST BE AT LEAST 200 MM / 8 INCH THICK, or a new concrete foundation MUST be poured.

3.4.1 Casting a plinth

A plinth should be used where the existing floor is less than 200 mm / 7 7/8 inch thick or in order to ensure that the machine is above the level of any water leakages.

The plinth should be approximately 150 - 200 mm / 5 7/8 — 7 7/8 inch in height.

Note!
2 M10 bolts are also required for WLD777.

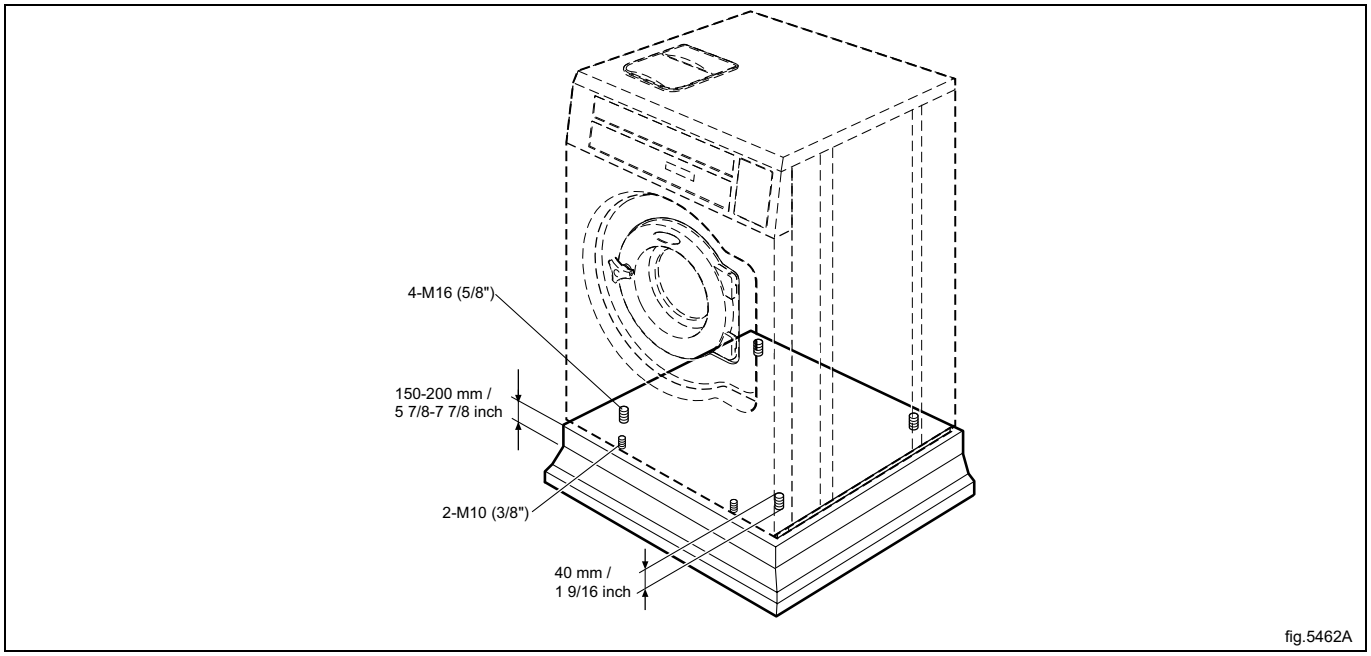


fig.5462A

Proceed as follows:

- Break up the existing floor to a depth of approx. 75 mm / 2 15/16 inch and check that the sides of the hole are tapered outward so that the longest side at the bottom measures 120 mm / 4 3/4 inch more than at the top. (See A and B from previous table).

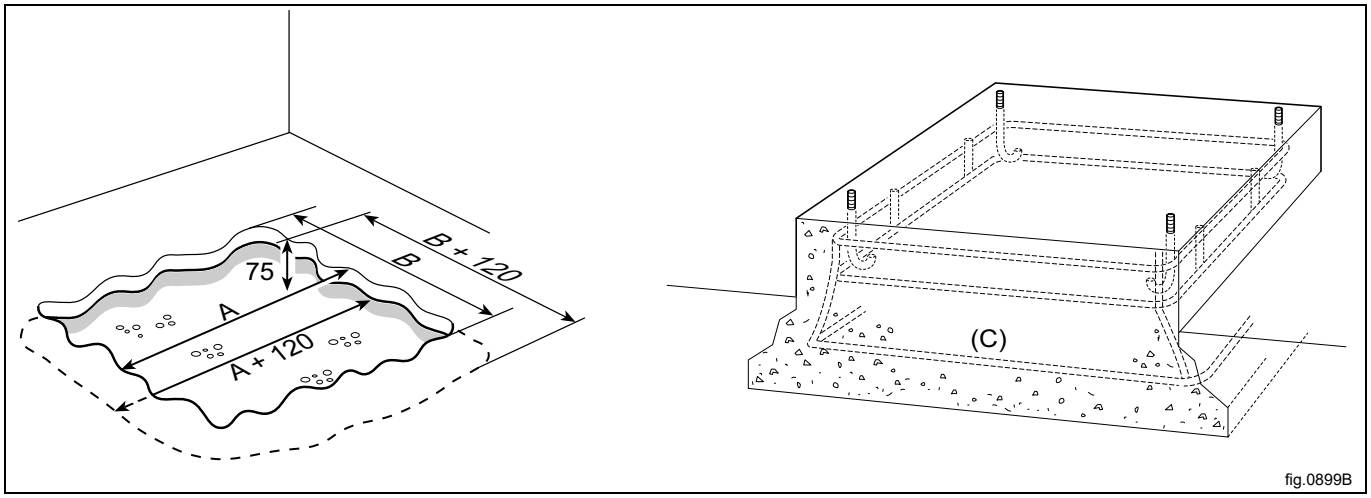


fig.0899B

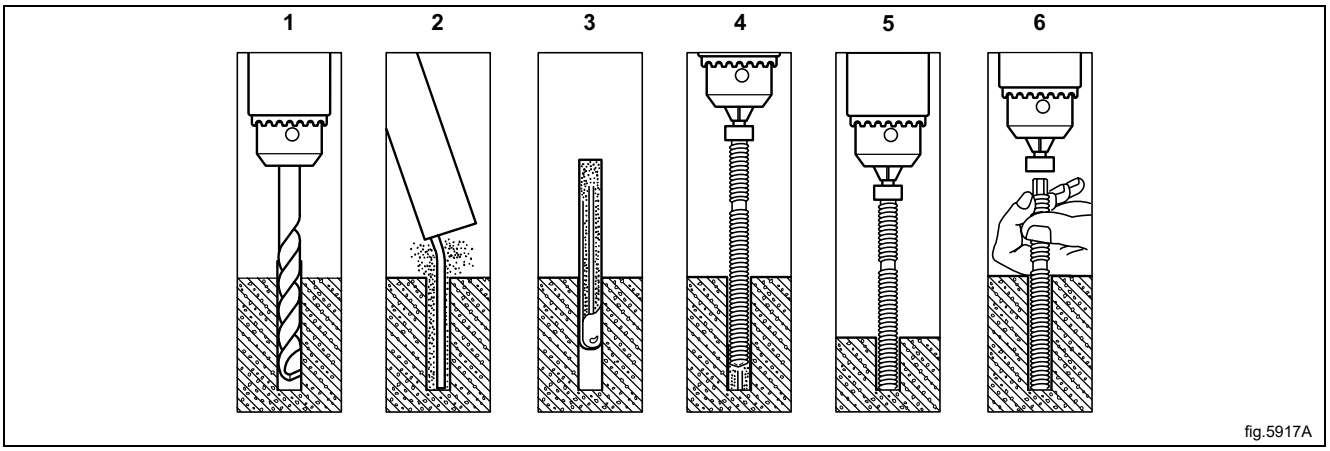
- Make the mould for the plinth.
- 4 bolts must be set into the concrete of the machine base. The bolts need to project 40 mm / 1 9/16 inch out of the base. Pour the concrete into the prepared base mould and make sure that the surface is level. Check the previous table for the correct position of the bolts.
- Moisten the hole well and apply concrete to the sides and bottom. Required minimum concrete strength at least 20.7 MPa / 3000 psi. Recommend the rebars (C) shall be used around the base. The rebars shall be placed between the bolts and the edge of the foundation. The bolts shall have the fish plate at the bottom or equivalent (bent at the bottom).
- The concrete must be set and strength at least 20.7 MPa / 3000 psi before mounting the machine on the plinth.

3.4.2 Chemical bolts / chemical anchors

An alternative to breaking up the existing floor or foundation is to use chemical bolts M16.

1. Mark and drill four holes (⌀ 18 mm / 11/16 inch) 125 mm / 5 inch deep for the chemical bolts.
   Check the previous table for the correct position of the holes.
2. Clean the drilled holes with a vacuum cleaner. (Insert the small pipe into the hole and shake it).
3. Put down the chemical ampule in the hole.
4. Rotate the bolt into the hole with a drilling machine, so that the glass ampule is broken and its contents mixed.
5. Rotate the bolt to correct depth.

   Note!
   Do not rotate the bolt against the concrete bottom. Check that the chemicals have filled the hole completely.
6. Remove the drilling machine with the mounting tool. Hold the bolt with one hand. Let the bolt harden before the machine is mounted.
   Time for hardening, due to different concrete temperatures:
   – 10°C: 6 hours
   – 5°C: 2.5 hours
   ± 0°C: 1 hour
   5°C: 30 minutes
   10°C: 20 minutes
   15°C: 15 minutes
   20°C: 10 minutes



If installation shall be done on vinyl floor coverings chemical anchors shall be used.

- a1. Mark and drill holes for all bolts 4–M16 and 2–M10. Check the previous table for the correct position of the holes.
- a2. Cut the flooring vinyl material around the hole for all square spacers.
- a3. Apply sealant to the hole cut in the vinyl floor covering. Insert the washer. Use sealant to seal around the washer between the vinyl and the spacer. Then fix the chemical bolts M16 as step 2, 3, 4, 5 and 6 before.

7. Put the machine into place after the chemical bolts are set. Check that the machine is in level. If it is not, use spacers where required between floor and machine.
   Do not use any nut without locking solution and thin washer to fix machine.
   Fix the machine in place using the heavy duty washers and lock-nuts with the machine.
8. Or installation with a welded foundation.

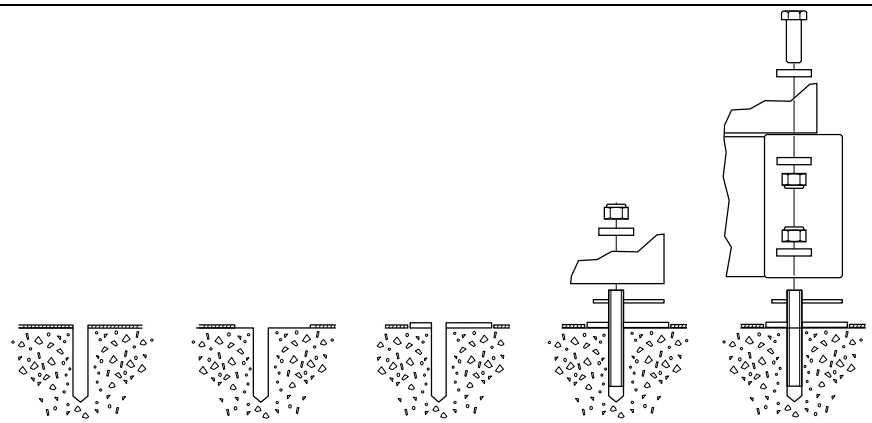


fig.7644C

4 Water connection

All water intake connections to the machine should be fitted with manual shut-off valves and filters, to facilitate installation and servicing.

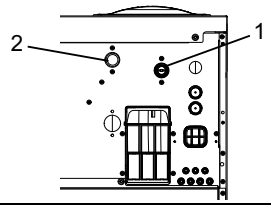
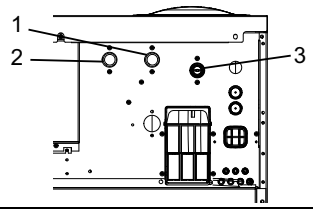
Water pipes and hoses should be flushed clean before installation.

The machine shall be connected with new water hoses. Re-used water hoses must not be used.

Hoses are to be of an approved type and grade and comply with national regulations.

After installation hoses must hang in gentle arcs.

All connectors present on the machine must be connected to the water supply or the machine may not function properly. The table shows the possible connection options, which will depend on the water types to be connected to the machine. Information is also available on the panel above the connections.

	Water type	**Water connection**
	WLD720, WLD725, WLD730 N7–75, N7–85, N7–105, N7–130 • Cold and hot	WLD720, WLD725, WLD730 N7–75, N7–85, N7–105, N7–130 1. Cold 2. Hot
	WLD745, WLD762, WLD777 • Cold and hot	WLD745, WLD762, WLD777 1. Cold 2. Hot 3. Cold (for detergent container) / Hot

Water-inlet fittings have either 3/4” NH (garden hose) or DN20 (3/4” BSP) threads.

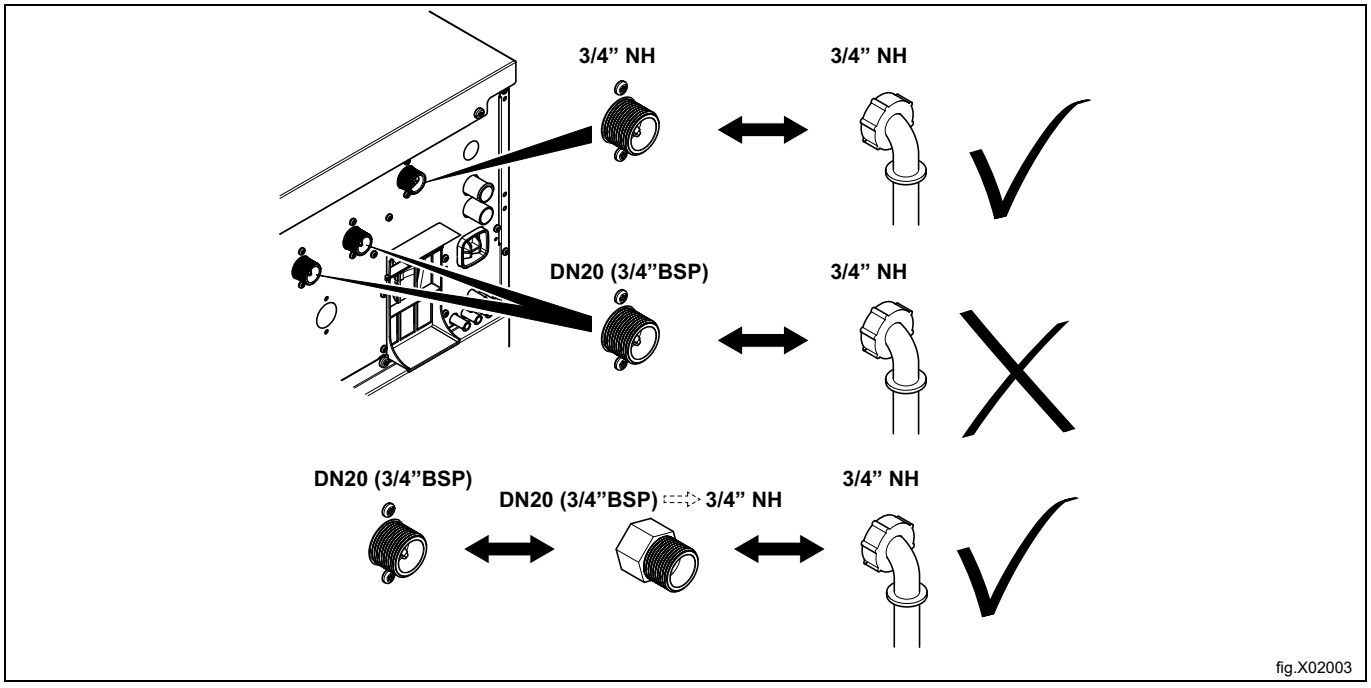
All models except WLD745 have 3/4" NH threaded on all inlet valves.

On WLD745 there are DN20 (3/4” BSP) threaded at position (1), (2) and another one at position 3 which is 3/4” NH threaded.

To connect 3/4” NH hoses (typical water hoses with garden-hose threads) to DN20 (3/4"BSP) threaded inlet valves (1) and (2), use the adapter fittings provided in the drum package of the machine.

Use the thread seal tape between the inlet valves and the adapter to prevent water leaks.

CAUTION: ATTEMPTING TO ASSEMBLE UNLIKE THREADS WITHOUT USING AN ADAPTER WILL DAMAGE THE VALVE THREADS, RESULTING IN LEAKS.



There is also an extra water valve which can be used for hard water if soft water is connected to 1.
This valve can also be used for water re-use from tank.
If pump is used, it is only a water connection without valve.

Water pressure:

Continuous operating pressure: 50–800 kPa / 8–116 psi (0.5-80 kp/cm^2)

Maximum: 1000 kPa / 145 psi (10 kp/cm^2)

Recommended: 200–600 kPa / 30–90 psi (2–6 kp/cm^2)

Note!

If the water pressure is below the minimum value, the wash result can not be guaranteed for certain program.

5 Connection of external dosing systems

5.1 Connection of the hoses

The machine is prepared for connection of external dosing systems or water re-use systems etc.

The connections are closed at delivery. Open any of the connections that shall be used by drilling a hole where the hoses shall be connected.

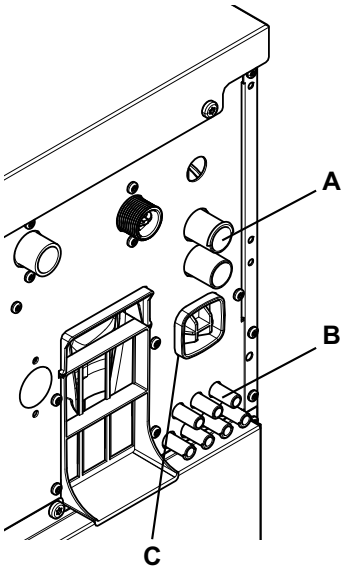
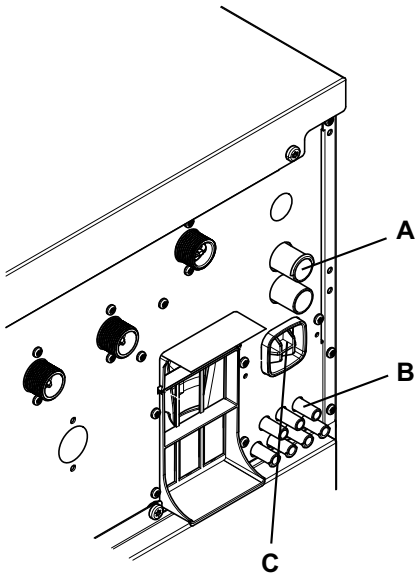
Note!

Make sure there is no burrs left after drilling. When removing burrs make sure burrs does not fall into the siphon breaker.

A = ⌀ 17 mm / 11/16 inch (used for external dosing systems or systems for re-use of water).

B = ⌀ 6 mm / 1/4 inch (used for external dosing systems only).

C = Only used for external liquid manifold. (Separate instructions enclosed when ordering).

WLD720, WLD725	WLD730, WLD745, WLD762, WLD777
	

Always connect hoses on connections (A) with a hose clamp.

For connections (B); if the hoses are made of a soft material such as silicone or similar, use a cable tie to fasten the hose on the connection. If the hoses are made of a hard material, it is not recommended to make the connection tighter by using a cable tie.

Note!

Equipment for external dosing must only be connected to work on pump pressure and not on network pressure.

5.2 Electrical connection of external dosing system

The power supply to the external dosing system must never be connected to the machine's incoming terminal block or to the edge connectors on the I/O-board.

5.2.1 Machine with connectors

Connect the external dosing system to connections A and B on the machine.

Connect the signal cable to B and the power supply to A.

For Efficient dosing system the cables are delivered with the machine.
Connect the power supply cable to the machine A and the other end of the cable together with the cable from Efficient Dosing in a connection box or with plug and receptacle.
Connect one end of the cable to the Efficient Dosing Controller J2 and the other end to the machine B.

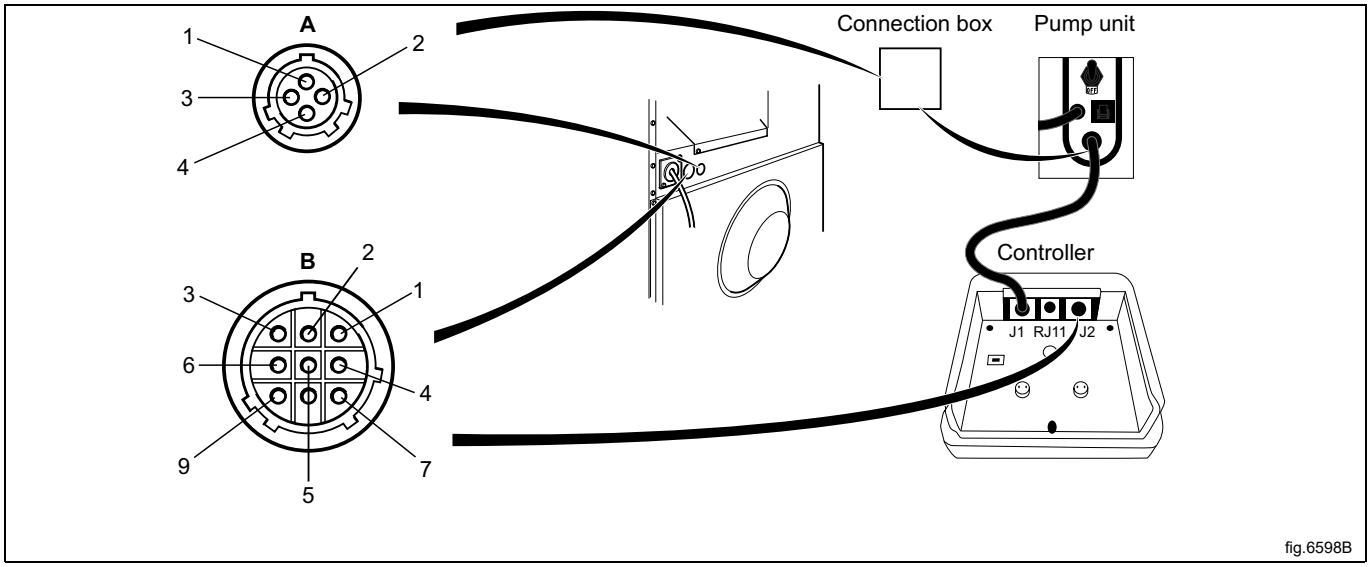


fig.6598B

	A
1	Line
2	Neutral
3	
4	Ground

	B
1	Neutral
2	Program run
3	Gnd
4	Signal 2
5	Signal 3
6	Signal 4
7	Signal 5
8	Rx
9	Tx

5.2.2 Machine without connectors

Connect the external dosing system to the I/O board, which is located to the right of the incoming power supply.
The I/O board has edge connectors for connecting external dosing systems.
Edge connectors on the I/O board can be loosened for connecting cables.

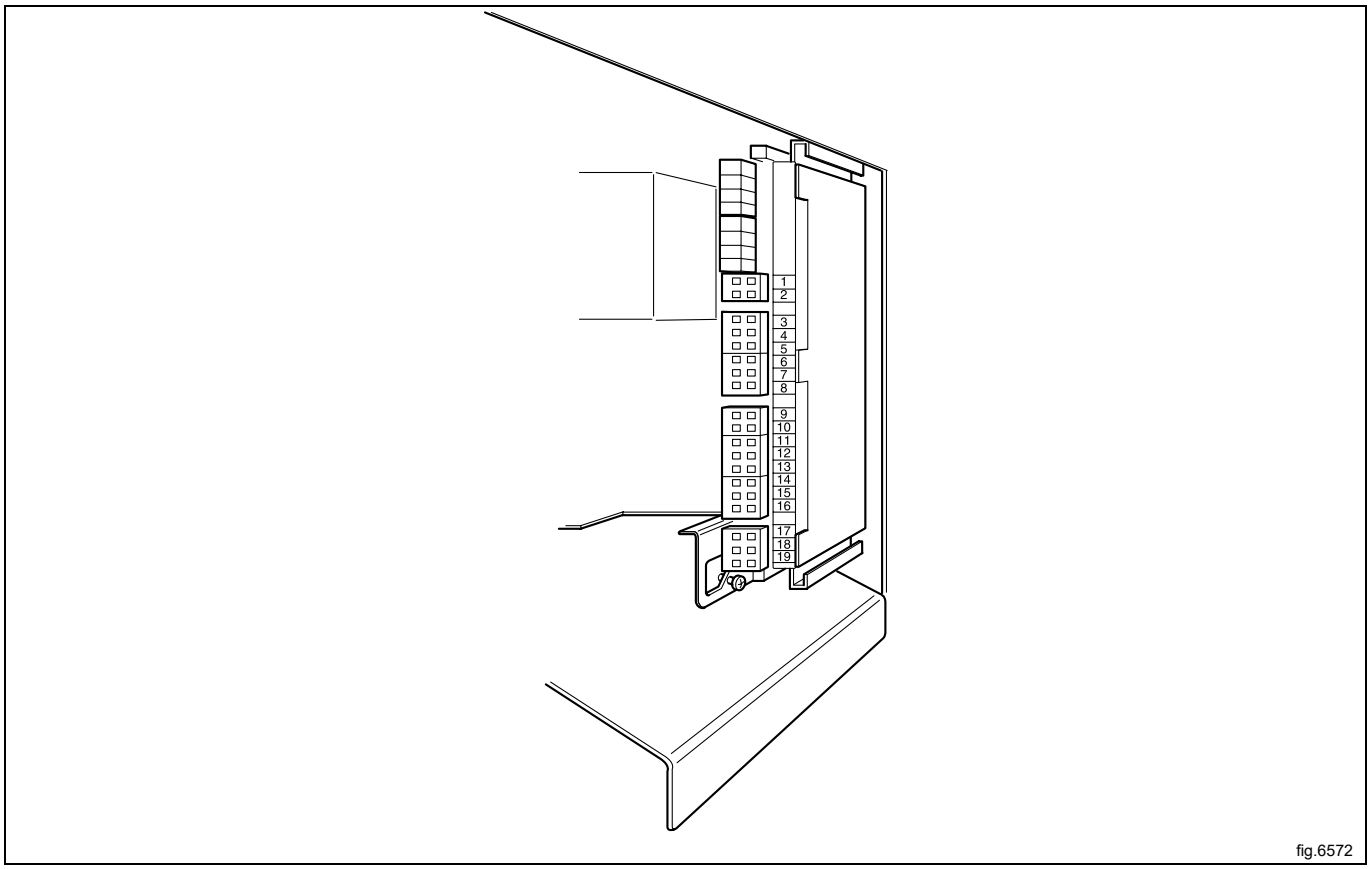


fig.6572

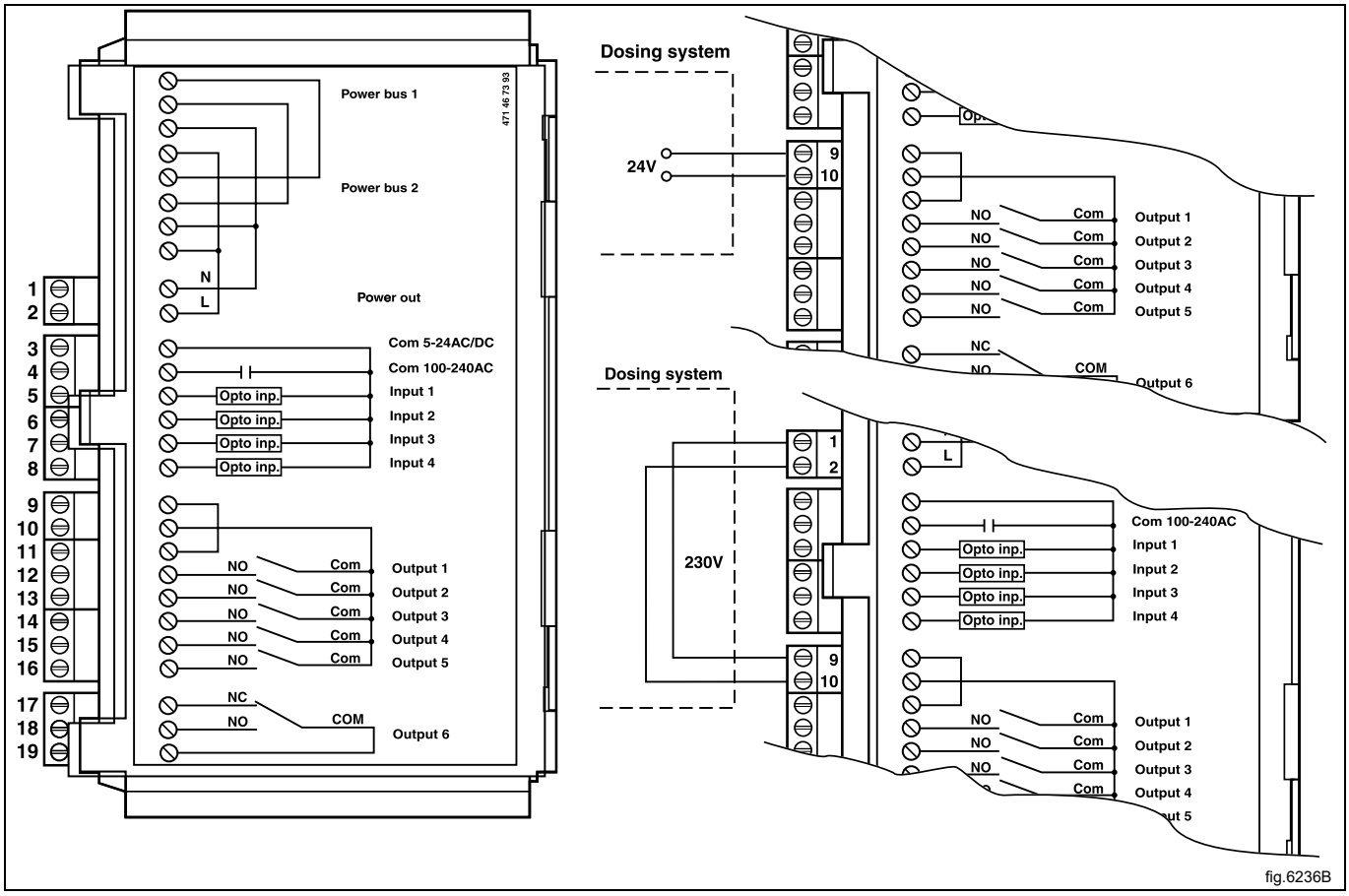
11 = N
18 = Program run
12 = Signal 1
13 = Signal 2
14 = Signal 3
15 = Signal 4
16 = Signal 5

5.2.3 Outputs

Connect the power supply (e.g. 24V DC) for the external liquid supplies to 9 and 10. If an internal power supply (from the machine) is being used, it can be taken from 1 (N) and connected to 9 and from 2 (L) and connected to 10. Max load on the outputs 0.5 A.

Signals for external liquid supplies 1-5 are connected to 12-16 where connector:

12 = Signal 1
13 = Signal 2
14 = Signal 3
15 = Signal 4
16 = Signal 5



	6M14	6F01	6R01	6F02	Other programs
Signal 1	-	Pre-wash	Pre-wash	Pre-wash	Pre-wash
Signal 2	Main wash	Main wash	Main wash	Main wash	Main wash
Signal 3	Softener	Softener	Softener	Softener	Softener
Signal 4	Mop last rinse	Desinfection	Pr 1 last rinse	Mainwash	-
Signal 5	Bleach	Bleach	Bleach	Bleach	Bleach

5.2.4 Inputs

The signal level can be 5-24V DC/AC or 100- 240V AC. For 5-24V, the signal reference is connected to 3 and for 100-240V to 4. Potentials on the inputs cannot be mixed.

Note!

The I/O board will be damaged if the voltage on connection 3 is too high > 24V.

Connection 8 may be connected if the program is to pause, e.g. while detergent is being dosed.

The figure shows an example of engaging a 24V pause signal. The program will pause for as long as the pause signal remains activated (high).

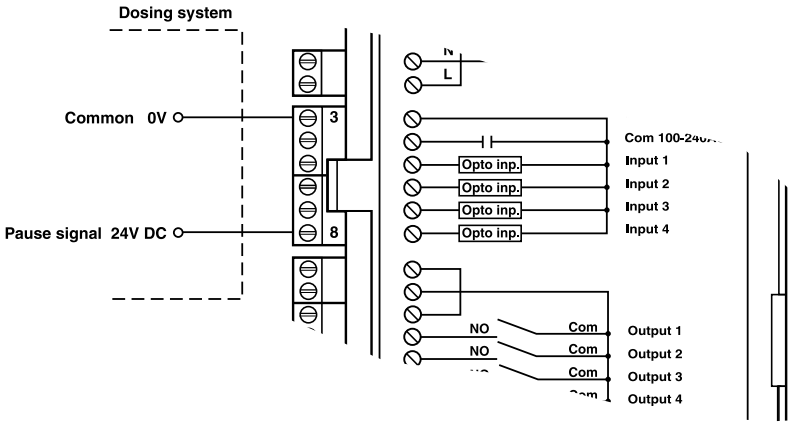


fig.6266

Connection 7. If this is connected, an error message will be displayed if any of the chemical tanks are empty. The program will continue, however.

The figure shows an example of engaging a normal open contact.

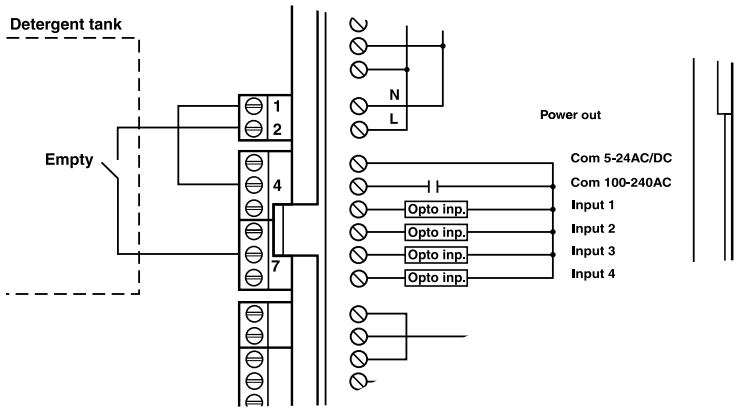


fig.6265

6 Drain connection

Connect a 75 mm / 3 inch pipe or rubber hose to the machine's drain pipe, ensuring a downward flow from the machine. Avoid sharp bends which may prevent proper draining.

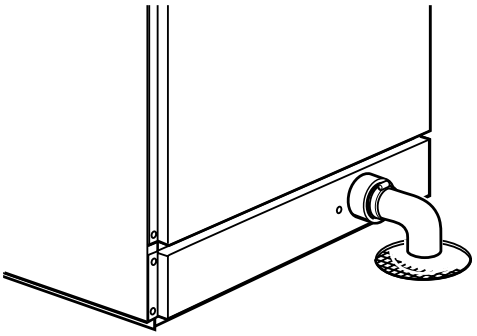


fig.5330

Drain pump (for models WLD720, WLD725)

The drainage pipe should be located over a floor drain, drainage channel or the like.

The highest part of the drain hose shall be positioned according to the figure.

Make sure there is no kinks in the hose.

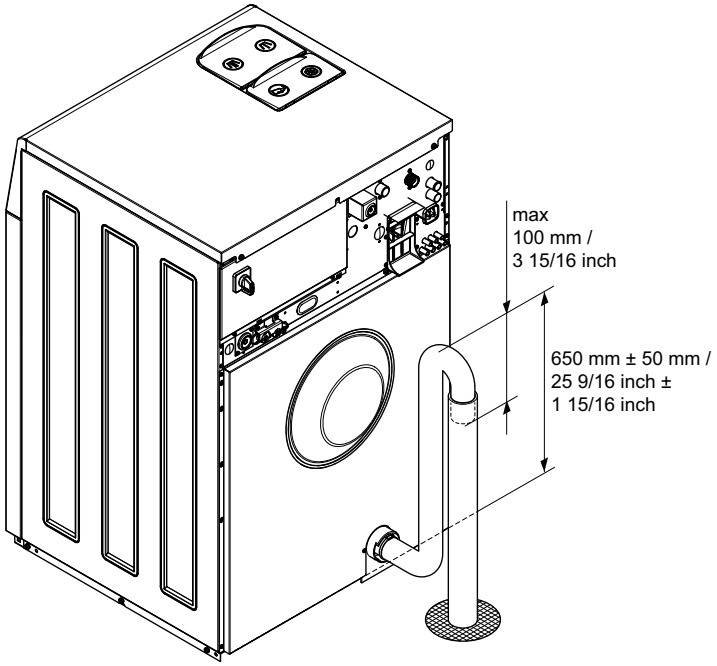


fig.X02458

7 Electrical connection

7.1 Electrical installation


The electrical installation may only be carried out by qualified personnel.


Machines with frequency-controlled motors can be incompatible with certain types of earth leakage circuit breaker. It is important to know that the machines are designed to provide a high level of personal safety, which is why items of external equipment such as earth leakage circuit breakers are not necessary but is recommended. If you still want to connect your machine across an earth leakage circuit breaker, please remember the following:

- contact a skilled, authorised installation company to ensure that the appropriate type of breaker is chosen and that the dimensioning is correct
- for maximum reliability, connect only one machine per earth leakage circuit breaker
- it is important that the earth wire is properly connected.

An individual electrical disconnect must be provided in proximity to each machine.

In instances where the machine is not equipped with an omni-polar switch, one must be installed beforehand.

Mount a multi-pole switch prior to the machine to facilitate installation and service operations.

The connecting cable shall hang in a gentle curve.

When connecting to a terminal block, the connection cable shell must be stripped 10-11 mm / 3/8 — 7/16 inch. The cable area must be at least 0.5 mm^2 / 0.0008 $inch^2$ and no more than 4 mm^2 / 0.006 $inch^2$ (AWG12/AWG20). The terminal block used is a spring loaded cage clamp.

7.2 Electrical connections

WLD720

Electrical connections					
Heating alternative	Main voltage	Hz	Heating power kW	Total power kW	Recommended fuse ITCB A
Electric heated	208-240V 1~	60	3.0/5.4/7.5	3.4/5.7/7.8	20/30/40
	208-240V 3~	60	3.0/5.4/7.5	3.4/5.7/7.8	15/20/25
	440V 3~	60	5.4/7.5	5.7/7.9	15/15
	480V 3~	60	5.4/7.5	5.7/7.9	15/15
Non heated/Steam heated	120/440/480V 1~	60	[1]	0.5	15
	208-240V 1~	60	[1]	0.4	15

1. Total power and recommended fuse does not depend on the heating power in those cases.

WLD725

Electrical connections					
Heating alternative	Main voltage	Hz	Heating power kW	Total power kW	Recommended fuse ITCB A
Electric heated	208-240V 1~	60	3.0/7.5/10.0	3.5/7.9/10.4	20/50/60
	208-240V 3~	60	3.0/7.5/10.0	3.5/7.9/10.4	15/30/35
	4403V 3~	60	7.5/10.0	7.9/10.4	15/20
	480V 3~	60	10.0	10.4	20
Non heated/Steam heated	120/440/480V 1~	60	[1]	0.6	15
	208-240V 1~	60	[1]	0.5	15

1. Total power and recommended fuse does not depend on the heating power in those cases.

WLD730

Electrical connections					
Heating alternative	Main voltage	Hz	Heating power kW	Total power kW	Recommended fuse ITCB A
Electric heated	208-240V 1~	60	3.0/7.5/10.0	3.5/7.9/10.4	20/50/60
	208-240V 3~	60	3.0/7.5/10.0	3.5/7.9/10.4	15/30/35
	4403V 3~	60	7.5/10.0	7.9/10.4	15/20
	480V 3~	60	10.0	10.4	20
Non heated/Steam heated	120/440/480V 1~	60	[1]	0.6	15
	208-240V 1~	60	[1]	0.5	15

1. Total power and recommended fuse does not depend on the heating power in those cases.

WLD745

Electrical connections					
Heating alternative	Main voltage	Hz	Heating power kW	Total power kW	Recommended fuse ITCB A
Electric heated	208-240V 1~	60	4.8/13.0	5.3/13.5	30/70
	208-240V 3~	60	4.8/13.0	5.3/13.5	20/40
	440V 3~	60	13.0	13.5	25
	480V 3~	60	13.0	13.5	25
Non heated/Steam heated	120/440/480V 1~	60	[1]	0.8	15
	208-240V 1~	60	[1]	0.7	15

1. Total power and recommended fuse does not depend on the heating power in those cases.

WLD762

Electrical connections					
Heating alternative	Main voltage	Hz	Heating power kW	Total power kW	Recommended fuse ITCB A
Electric heated	208-240V 3~	60	18.0	18.8	60
	440V 3~	60	18.0	18.8	35
	480V 3~	60	18.0	18.8	30
Non heated/Steam heated	120/440/480V 1~	60	[1]	1.2	15
	208-240V 1~	60	[1]	1.1	15

1. Total power and recommended fuse does not depend on the heating power in those cases.

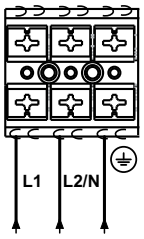
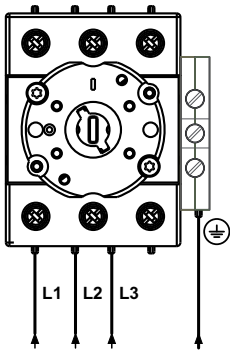
WLD777

Electrical connections					
Heating alternative	Main voltage	Hz	Heating power kW	Total power kW	Recommended fuse ITCB A
Electric heated	208-240V 3~	60	19.8/23.0	20.9/24.1	70/80
	440V 3~	60	21.0/23.0	22.2/24.1	40/40
	480V 3~	60	22.8/23.0	23.9/24.1	40/40
Non heated/Steam heated	120/440/480V 1~	60	[1]	1.4	15
	208-240V 1~	60	[1]	1.3	15

1. Total power and recommended fuse does not depend on the heating power in those cases.

7.3 Machine connection

Connect the earth and other two wires as shown.

Single-phase connection		Three-phase connection	
1N/1		3AC	

7.4 Machine connection with ferrite

7.4.1 WLD762, WLD777

To obtain approved level of EMC, it is mandatory to use the ferrite which is enclosed with above listed models. (Note that this is only valid for those models).

Before connecting to the machine, the protective earth (PE) wire shall be wrapped around the ferrite.

Prepare the power cord by making sure the protective earth (PE) wire is longer than the other wires according to the table.

Wire size	L	x times through
AWG14 or 2.5 mm^2	230 mm / 9 1/16 inch	x 4
AWG12 or 4 mm^2	250 mm / 9 13/16 inch	x 4
AWG10 or 6 mm^2	270 mm / 10 5/8 inch	x 4
AWG8 or 10 mm^2	290 mm / 11 7/16 inch	x 4
AWG6 or 16 mm^2	330 mm / 13 inch	x 4
AWG4 or 25 mm^2	490 mm / 19 5/16 inch	x 4

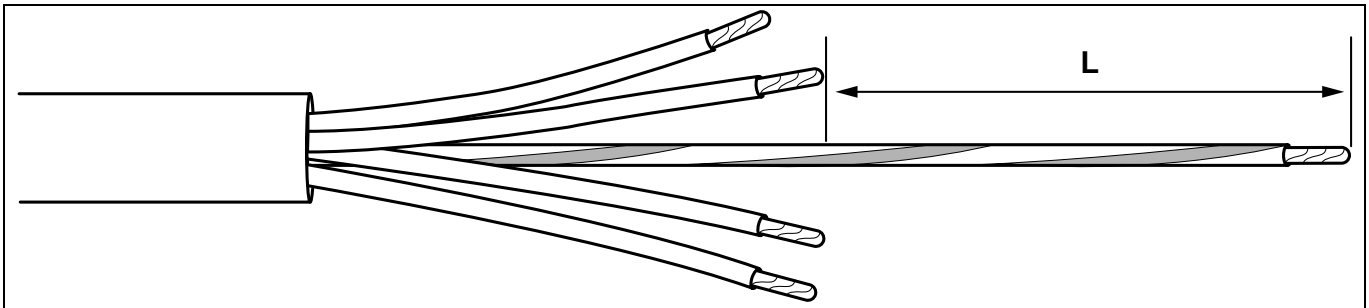


fig.X01516

When the power cord has been prepared according to the table, wrap the protective earth (PE) wire through the ferrite and then connect all wires according to the “Machine connection” section.

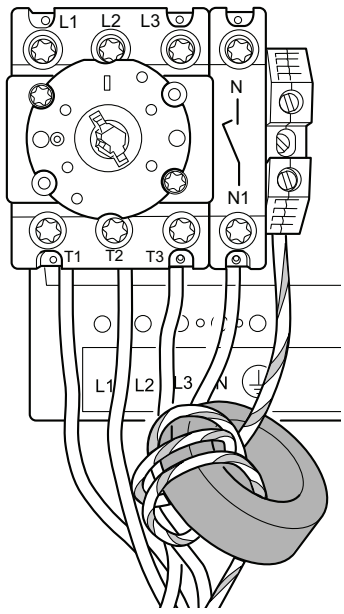


fig.X01360A

7.5 Functions for I/O-cards

The electrical schematic can be one of the following:

7.5.1 External coin meter/Central payment (2A)

The signal received from external coin meters must be a pulse between 300–3000 ms (500 ms is recommended) with a minimum pause of 300 ms (500 ms is recommended) between two pulses.

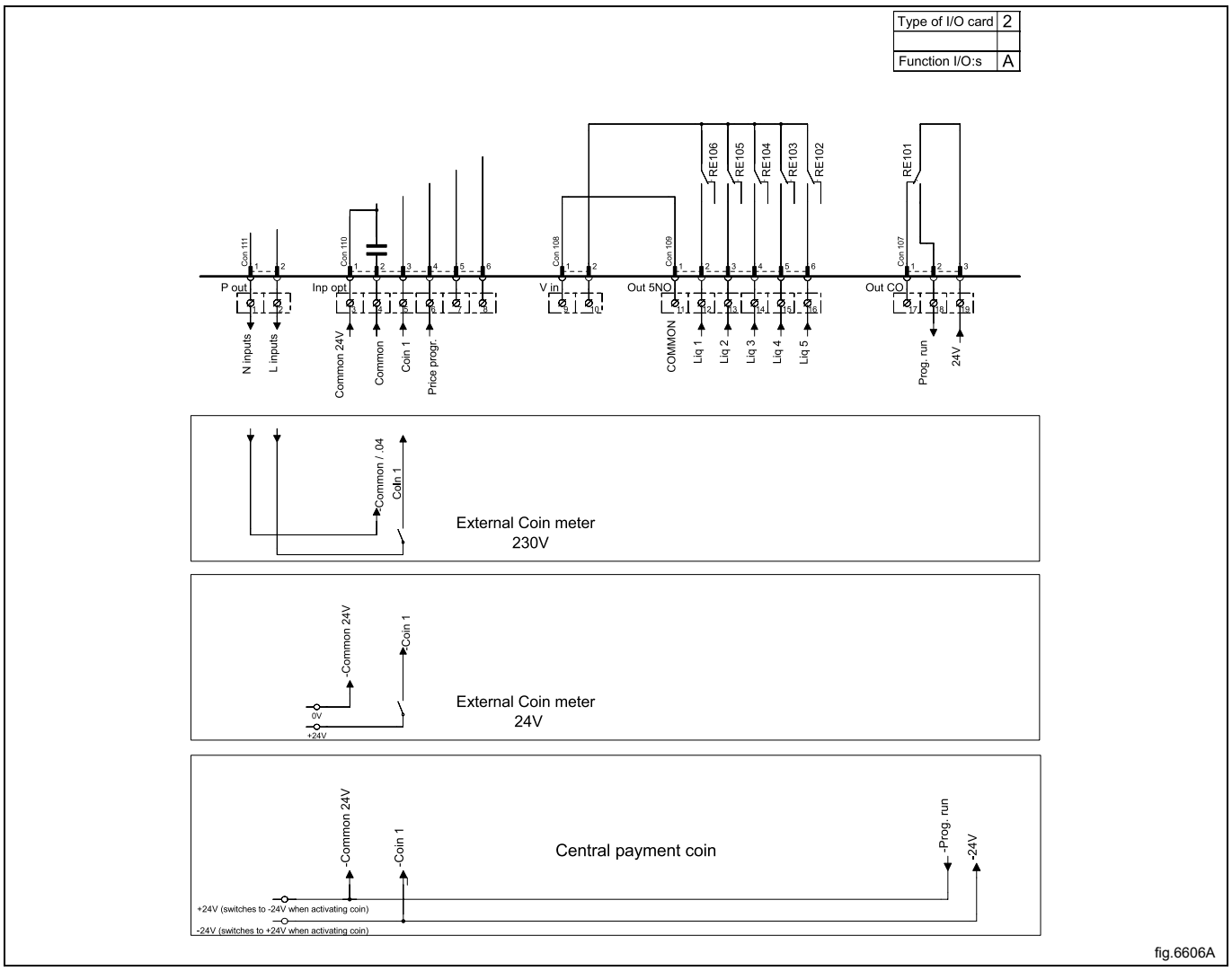


fig.6606A

7.5.2 Central payment (2B)

To start the machine from a central payment system, the payment system must transmit a start pulse to the machine. The start pulse can be either 230V or 24V. In order to receive a feedback signal once the machine has started, 230V or 24V must be connected to connection 19. The feedback signal on connection 18 remains active (high) during the entire program.

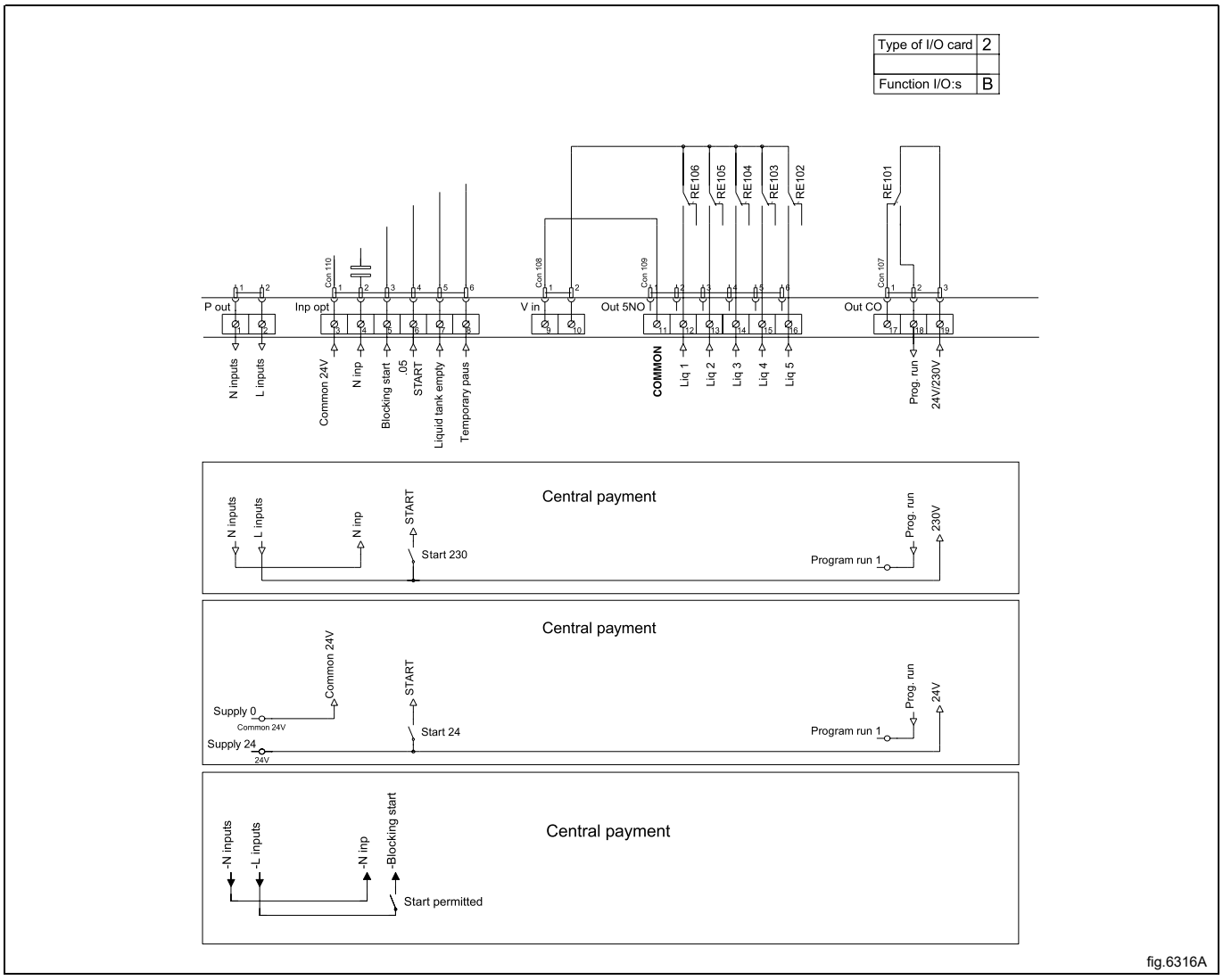


fig.6316A

7.5.3 Central payment (2C)

The central payment or booking system shall transmit an active (high) signal to the machine once permission has been granted to start the machine. The signal must remain active (high) until the machine starts. A feedback signal will be present on connection 18 and remain active (high) whilst the machine door is closed but the program has not started. The feedback signal is powered by 230V or 24V from connection 19.

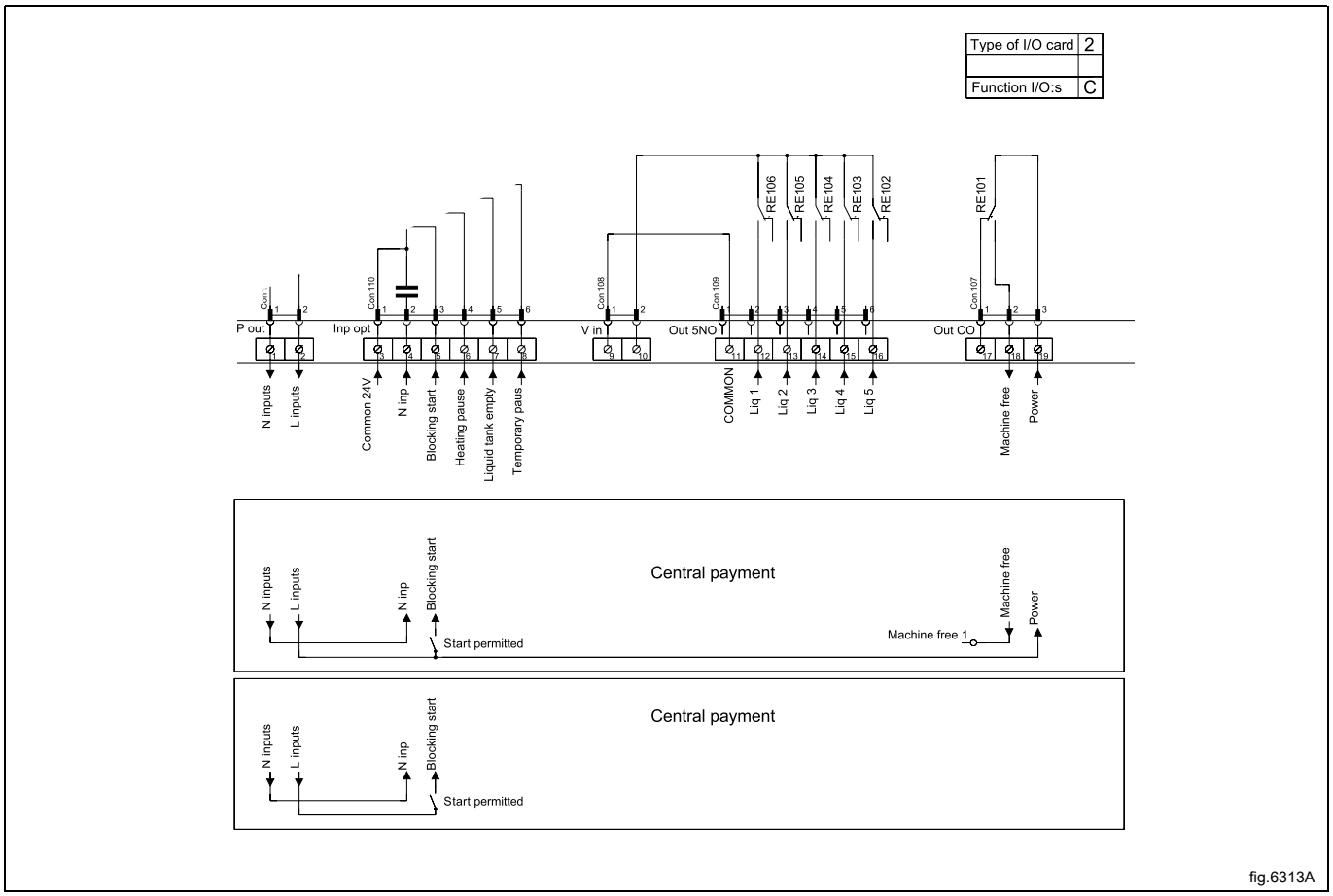


fig.6313A

7.5.4 Outputs for detergent signals and inputs for pause signals, "empty" signal and price reduction (2D)

The figure shows standard function addressing for machines with the coin program package.

By maintaining an active (high) signal on connection 5 ("Price red"), the price of the program can be reduced. This function has a number of uses, including providing reductions during a specific period of the day. Whilst the signal remains active (high), the price of the program is reduced by the percentage entered in the price programming menu.

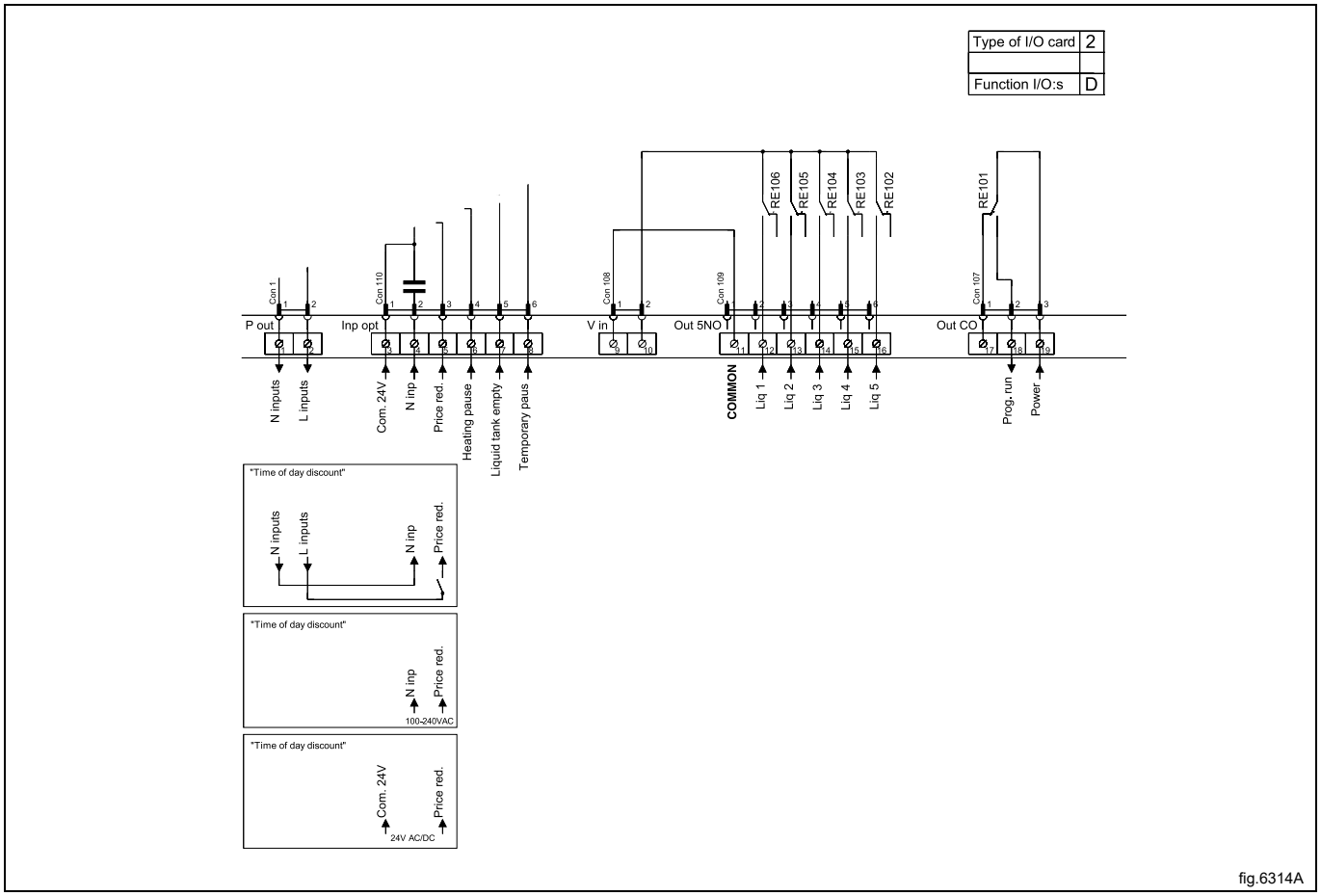


fig.6314A

7.5.5 Central booking/payment (2F)

The central payment or booking system shall provide an active (high) signal to the machine once permission has been granted to start the machine. The signal must remain active (high) until the machine starts. A feedback signal will be present on connection 18 and remain active (high) whilst the program is running. The feedback signal is powered by 230V from connection 19 or external 24V.

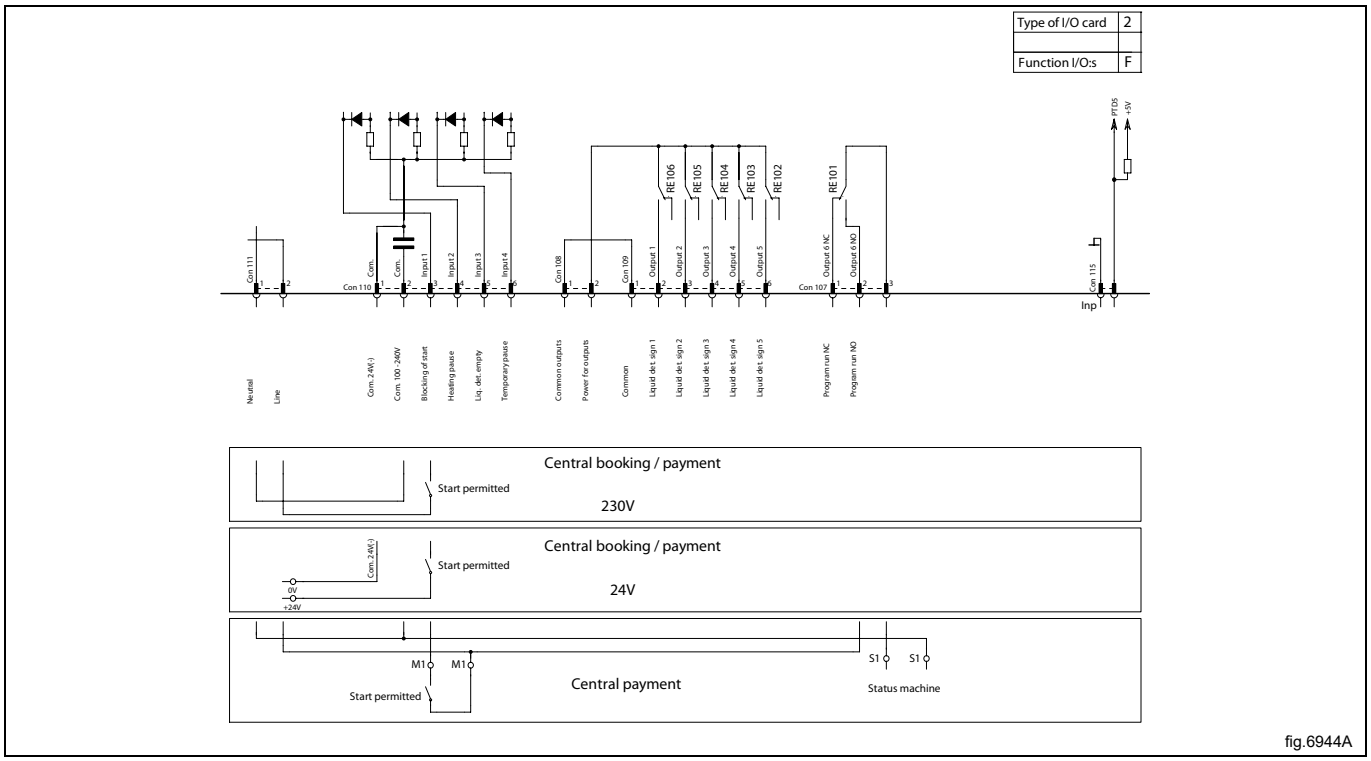
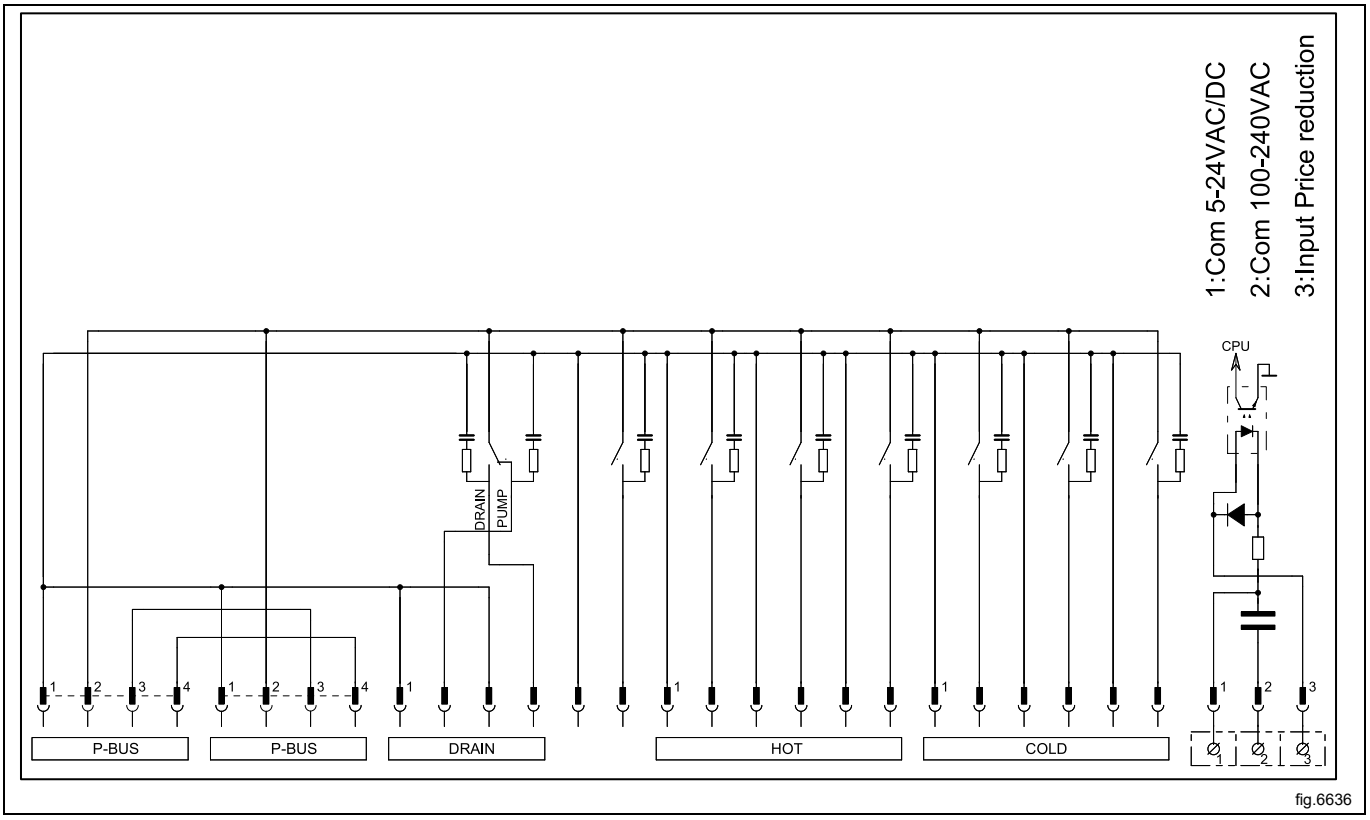


fig.6944A

7.5.6 Machines with I/O module type 3

By maintaining an active (high) signal on connection 3 "Price reduction”, the price of the program can be reduced. This function has a number of uses, including providing reductions during a specific period of the day. Whilst the signal remains active (high), the price of the program is reduced by the percentage entered in the price programming menu.



8 Steam connection

Inlet pipes connected to the machine must be equipped with a manual shut-off valve to facilitate installation and servicing. The connection hose must be of type ISO/1307- 1983 or equivalent.

Connection size at filter: DN 15 (BSP 1/2").

Demount the top panel (A). Demount the casing (B).

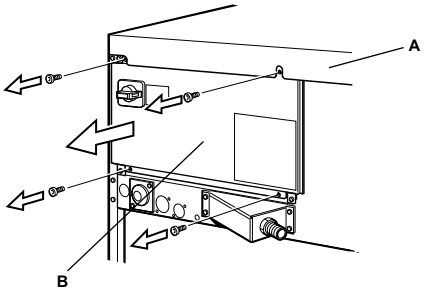


fig.6600

Mount the nipple to the steam valve. Mount the steam valve on the machine. Mount nipple, strainer and elbow. Note the direction of the strainer. Mount steam hose to the elbow. Check that there are no sharp angles or bends on the connected steam hose.

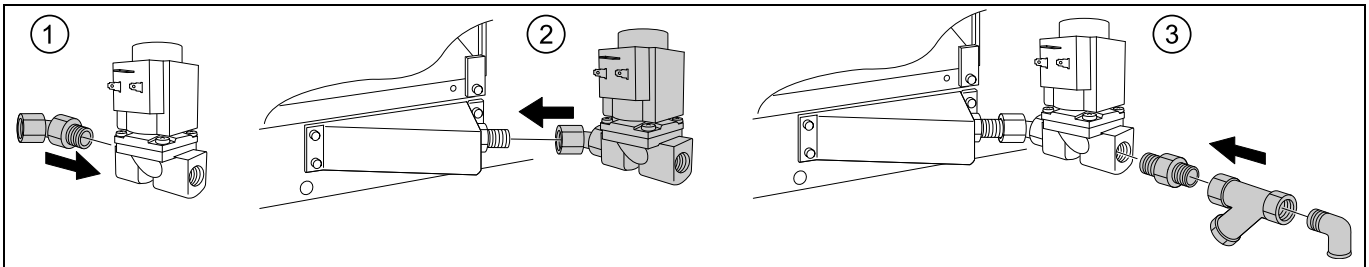


fig.5862C

Mount the hose with wires between steam valve and machine. Connect the wires to the steam valve. Connect ground cable to the terminal ground connection. Connect the ”HEAT” cable connector to the ”HEAT” terminal on the I/O board.

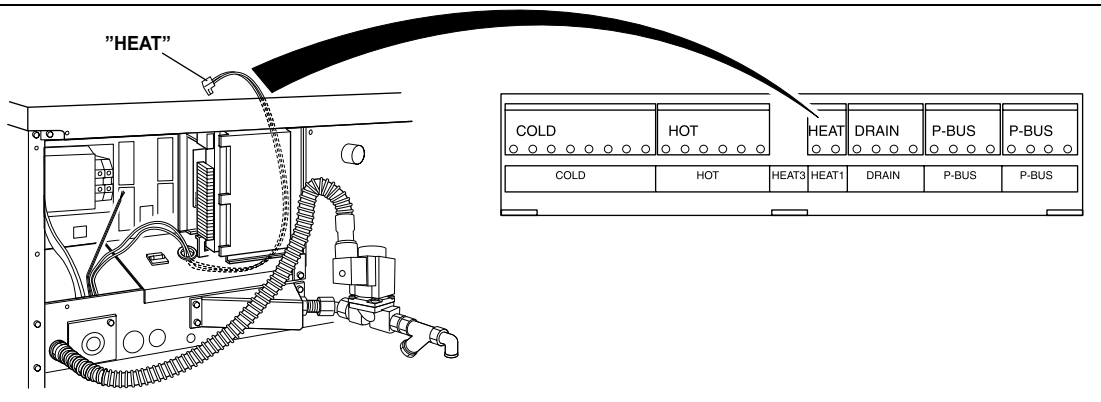


fig.6604B

Steam pressure required:

- minimum: 50 kPa / 7 psi
- maximum: 800 kPa / 115 psi
- recommended: 600 kPa / 87 psi

Note!

A steam heated machine is only intended to use clean steam.

9 At first power up

When the installation is complete and the power is connected for the first time you will be forced to make the following settings. When one setting is ready you will automatically enter the next one.

- Select language
- Set time and date
- Activate/deactivate the service alarm

For more information about the following settings please refer to the Programming and configuration manual.

9.1 Select language

Select language from the list on the display.

This will be the language that all display messages, program names etc will be presented in.

9.2 Set time and date

Select YES and press the control knob to get to the menu TIME/DATE.

Activate the SET TIME menu and set the correct time.

Save the settings.

Activate the SET DATE menu and set the correct date. Start by setting the year.

- Set the year. Exit to continue with a long press on the control knob.
- Set the month. Exit to continue with a long press on the control knob.
- Set the day. Exit with a long press on the control knob and then save with a long press on the control knob.

Exit the menu when ready.

10 Function check


May only be carried out by qualified personnel.

A function check must be made when the installation is finished and before the machine can be ready to be used.

Open the manual water valves.

Start a program.

- Check that the drum rotates normally and that there are no unusual noises.
- Check that there are no leaks in water supply/drain connections.
- Check that water passes through the detergent container.
- Check that the door cannot be opened during a program.

Ready to use

If all tests are OK the machine is now ready to be used.

If some of the tests failed, or deficiencies or errors are detected, please contact your local service organisation or dealer.

11 Disposal information

11.1 Disposal of appliance at end of life

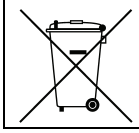
Before disposing of the machine, make sure to carefully check its physical condition, and in particular any parts of the structure that can give or break during scrapping.

The machine's parts must be disposed of in a differentiated way, according to their different characteristics (e.g. metals, oils, greases, plastic, rubber, etc.).

Different regulations are in force in the various countries, therefore comply with the provisions of the laws and competent bodies in the country where scrapping takes place.

In general, the appliance must be taken to a specialised collection/scrapping centre.

Dismantle the appliance, grouping the components according to their chemical characteristics, remembering that the compressor contains lubricant oil and refrigerant fluid which can be recycled, and that the refrigerator and heat pump components are special waste assimilable with urban waste.

	The symbol on the product indicates that this product should not be treated as domestic waste, but must be correctly disposed of in order to prevent any negative consequences for the environment and human health. For further information on the recycling of this product, contact the local dealer or agent, the Customer Care service or the local body responsible for waste disposal.

Note!

When scrapping the machine, any marking, this manual and other documents concerning the appliance must be destroyed.

11.2 Disposal of packing

The packing must be disposed of in compliance with the current regulations in the country where the appliance is used. All the packing materials are environmentally friendly.

They can be safely kept, recycled or burned in an appropriate waste incineration plant. Recyclable plastic parts are marked as following examples.

 PE	Polyethylene: • Outer wrapping • Instructions bag
 PP	Polypropylene: • Straps
 PS	Polystyrene foam: • Corner protectors

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