INSTALLATION MANUAL

DOC. NO. 438.9211-75/14 EDITION 20.2009

EX618co – EX670co, SU620cc/co – SU675cc/co, W620cc – W675cc Compass Control

Up to machine No. SU-model:

SU620	**-00520/120946** **-00521/400282-402182**	**SU625**	**-00595/106646** **-00521/401173-402182**
SU630	**-00595/106611** **-00521/400106-402182**	**SU640**	**-00650/107383**
SU655	**-00725/105493**	**SU675**	**-00795/102509**

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Installation manual

EX618co – EX670co, SU620cc/co – SU675cc/co, W620cc/co – W675cc/co

Compass Control

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

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.	

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

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SAFETY AND WARNINGS SIGNS

Replace If Missing Or Illegible

One or more of these signs must be affixed on each machine as indicated, when not included as part of the front instruction panel.

LOCATED ON THE OPERATING INSTRUCTION SIGN OF THE MACHINE:

CAUTION

1. Do not attempt to open door unitl "Door unlocked" indicator is lit.
2. Machine must not be used by children.
3. Do not use flammable liquids in this machine.

MACHINE MUST NOT BE USED BY CHILDREN

PRECAUCION

1. No intente abrir la puerta hasta que la luz indicadora este encendida.
2. La maquina no debe ser operado por ninos.
3. No use liquidos inflamable en la lavadora.

LAS MÁQUINAS NO DEBEN SER USADAS POR NIÑOS

IMPORTANT SAFETY INSTRUCTIONS

IMPORTANTES MESURES DE SECURITE

WARNING -

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

AVERTISSEMENT -

Pour réduire les risques d´incendie, de choc électrique ou de blessure quand, l´appareil est utilisé:

1. Read all instructions before using the appliance.
   Lire toutes les instructions avant d'utiliser l'appareil.
2. This machine must be securely bolted to the floor according to the installation instructions.
   Ce machine doit être visseé sur le plancher selon les instructions d'installation.
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.
   IL FAUT QUE cette appareil soit entretenue et actionnée conformement aux instructions du fabriquant. CONTROLEZ LA SERRURE DE PORTE TOUS LES JOURS AFIN DE EVITER DES DOMMAGES OU DES RISQUES PERSONNELLES. SI LA SERRURE DE PORTE NE FONCTIONNE PAS, IL FAUT METTRE LA MACHINE HORS SERVICE JUSQU'Á LE PROBLEME SOIT CORRIGÉ.
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.
   Ne pas laver des articles qui ont été nettoyés ou lavés avec de l'essence, des solvants pour nettoyage à sec ou d'autres substances inflammables ou explosives, ou que l'on a fait tremper dans ces produits. Ces substances dégagent des vapeurs qui peuvent s'enflammer ou exploser.
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.
   Ne pas ajouter 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 peuvent s'enflammer ou exploser.
6. Under certain conditions, hydrogen gas may be produced in a hot-water system that has not been used for 2 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 this time.
   De l'hydrogène peut être produit dans un système à eau chaude qui n'a pas été utilisé depuis deux semaines ou plus. L'HYDROGÈNE EST EXPLOSIF. Si le système à eau chaude n'a pas été utilisé depuis un certain temps, ouvrir tous les robinets d'eau chaude et laisser l'eau couler pendant plusieurs minutes avant d'utiliser une laveuse, l'hydrogène accumulé, le cas échéant, s'échappera. L'hydrogène étant inflammable, ne pas fumer ou utiliser un appareil à flamme nue pendant que l'eau coule.
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.
   Ne pas permettre aux enfants de jouer sur ou dans l'appareil. Surveiller ètriotement les enfants lorsqu'ils se trou vent près de l'appareil qui fonctionne.
8. Before the appliance is removed from service or discarded, remove the door.
   Avant de mettre l'appareil hors service ou de jeter, retirer la porte.
9. Do not reach into the appliance if the tube is moving.
   Ne pas mettre la main dans l'appareil lorsque la cuve bougent.
10. Do not install or store this appliance where it will be exposed to the weather.
    Ne pas installer ou placer cet appareil dans un endroit où il sera exposé aux intempéries.
11. Do not tamper with controls.
    Ne pas trafiquer les commandes.
12. Do not repair or replace any part of the appleance or attempt any servicing unless specifically recommanded in the user-maintenance instructions or in published user-repair instructions that you understand and have the skills to carry out.
    Ne pas réparer ou remplacer les pièces de l'appareil ou procéder à l'entretien de celui-ci sauf si les instructions visant l'entretien et les réparations qui doivent être effectués par l'utilisateur le spécifient, si vous comprenez bien ces instructions et si vous possédez les connaissances nécessaires.

MANUFACTURED BY WASCATOR
DISTRIBUTED BY WASCOMAT INWOOD, NEW YORK, USA

NOTICE TO: OWNERS, OPERATORS AND DEALERS OF WASCOMAT MACHINES

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.

NOTICE À L'ATTENTION DES PROPRIÉTAIRES, UTILISATEURS ET REVENDEURS DE MACHINES WASCOMAT

UNE INSTALLATION INCORRECTE ET UN ENTRETIEN INADÉQUAT, DE MÊME QUE LA NÉGLIGENCE OU LA NEUTRALISATION DÉLIBÉRÉES DES DISPOSITIFS DE SÉCURITÉ, PEUVENT ÊTRE CAUSES DE BLESSURES OU D'ACCIDENTS SÉRIEUX. POUR ASSURER LA SÉCURITÉ DES CLIENTS ET/OU DES UTILISATEURS DE VOTRE MACHINE, IL EST INDISPENSABLE DE PROCÉDER CHAQUE JOUR AUX CONTRÔLES DE ROUTINE CI-APRÈS.

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. (See the following page of this manual for description and location of the signs.) 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 or Wascomat.

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.
   (See the door interlock section of the manual.)

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 or from Wascomat through its Teletech Service Hotline - 516/371-0700.

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: NE PAS FAIRE FONCTIONNER LA (LES) MACHINE(S) AVEC UN DISPOSITIF DE SÉCURITÉ NEUTRALISÉ, RECÂBLÉ OU NON OPÉRATIONNEL! NE PAS OUVRIR LA MACHINE TANT QUE LE TAMBOUR NE S'EST PAS IMMOBILISÉ!

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.

Use of a steel base beneath this machine DRAMATICALLY INCREASES the mechanical stress placed on the underlying concrete floor or foundation. This must be taken into consideration when employing a steel base to raise the height of the machine.

Increase the manufacturer's recommended floor or foundation thickness requirements by at least three inches (see installation manual) when using six-inch-high Wascomat steel bases to raise the machine's height.

The use of steel bases more than six inches in height is NOT recommended. If installation requires a base higher than six inches, contact Wascomat Technical Support at 516-371-0700 for advice.

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 at 516-371-0700 with any questions BEFORE installing this machine. Damage resulting from inadequate installation materials or improper installation techniques will void the manufacturer's warranty.

Contents

Technical data 13
Installation 21
Transportation and unpacking 21
Siting and floor 23
Mechanical installation 24
Installation W- and SU-model 25
Siting 25
Floor 25
Casting a plinth 27
Installing the machine 28
Water connections 29
Drain connection 31
Steam connection 32
Connection of external liquid supplies 33
Functions for I/O-cards 36
Electrical installations 44
Function checks 51
Preventive maintenance 53
Daily 53
Every third month 53

Appendix
Hospitality wash programs
Healthcare wash programs

Safety instructions

- **The machine is designed for water washing only.**
- **The machine must not be used by children.**
- **All installation operations are to be carried out by qualified personnel. Licensed personnel are necessary for all electric power wiring and plumbing.**
- **The door interlock must be checked daily for proper operation and must not be bypased.**
- **All seepage in the system, due to faulty gaskets etc., must be repaired immediately.**
- **All service personnel must be fully familiar with the operating manual before attempting any repair or maintenance of the machine.**
- **The machine must not be sprayed with water.**
- **Do not add flammable or explosive substances to the wash water. There may give off vapors that could ignite or explode.**

Consignes de sécurité

- **La machine est conçue pour le lavage à l'eau exclusivement.**
- **La machine ne peut être utilisée par des enfants.**
- **Tous les travaux d'installation doivent être effectués par une personne qualifiée. Tous les câblages électriques doivent être réalisés par un électricien diplômé.**
- **Le verrouillage du hublot doit être vérifié chaque jour et ne peut être neutralisé.**
- **Toute fuite du système, due à des joints défectueux etc., doit être réparée sans délai.**
- **Tous les membres du personnel d'entretien doivent être parfaitement familiarisés avec le manuel d'entretien avant d'entreprendre une réparation ou un entretien de la machine.**
- **Ne jamais asperger d'eau la machine sous peine de risquer un court-circuit.**
- **Ne pas utiliser dans la machine des adoucissants textiles contenant des liquides volatils ou inflammables.**

The manufacturer reserves the right to make changes to design, material and/or specifications without notice.

Technical data

	EX618	EX625	EX630	EX640	EX655	EX670
Innerdrum						
volume litres/ft³	75/2.6	105/3.7	130/4.6	180/6.4	240/8.5	300/10.6
diameter mm/inch	520/20 1/2	595/23 7/16	650/25 9/16	725/28 9/16	795/31 5/16	795/31 5/16
Drum speed						
wash rpm	49	49	49	44	42	42
extraction rpm	1100	1025	980	930	890	820
Heating						
electricity kW	5.4/7.5	7.5/10	13	18	23	23
steam	x	x	x	x	x	x
hot water	x	x	x	x	x	x
G-factor	350	350	350	350	350	300
Weight, net kg/lbs	159/350	201/443	267/588	350/771	400/882	509/1122

Connections

	EX618	EX625	EX630	EX640	EX655	EX670
Water valves connection	DN20 3/4"	DN20 3/4"	DN20 3/4"	DN20 3/4"	DN20 3/4"	DN20 3/4"
Rec. water pressure psi	30-90	30-90	30-90	30-90	30-90	30-90
kPa	200-600	200-600	200-600	200-600	200-600	200-600
Functioning limits psi	8-145	8-145	8-145	8-145	8-145	8-145
for water valve kPa	50-1000	50-1000	50-1000	50-1000	50-1000	50-1000
Capacity at 45 psi						
(300 kPa) gallon/min	5	5	5	5	15	15
l/min	20	20	20	60	60	60
Drain valve						
outer Ø mm/inch	75/3	75/3	75/3	75/3	75/3	75/3
Draining gallon/min	45	45	45	45	45	45
capacity l/min	170	170	170	170	170	170
Steam valve connection	DN15 1/2"	DN15 1/2"	DN15 1/2"	DN15 1/2"	DN15 1/2"	DN15 1/2"
Rec. steam pressure psi	45-90	45-90	45-90	45-90	45-90	45-90
kPa	300-600	300-600	300-600	300-600	300-600	300-600
Functioning limits for psi	8-115	8-115	8-115	8-115	8-115	8-115
steam valve kPa	50-800	50-800	50-800	50-800	50-800	50-800

Technical data

		W/SU620	W/SU625	W/SU630	W/SU640	W/SU655	W/SU675
Innerdrum							
volume	litres/ft³	85/3.0	105/3.7	130/4.6	180/6.4	250/8.8	330/11.7
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							
wash	rpm	49	49	49	44	44	42
extraction	rpm	557/694	520/649	520/649	499/619	471/587	450/561
Heating							
electricity	kW	5.4/7.5	10	7.5/10	13	18	23
steam		x	x	x	x	x	x
hot water		x	x	x	x	x	x
G-factor		90/140	90/140	90/140	90/140	90/140	90/140
Weight, net	kg/lbs	136/300	170/374	175/386	228/503	287/633	330/727

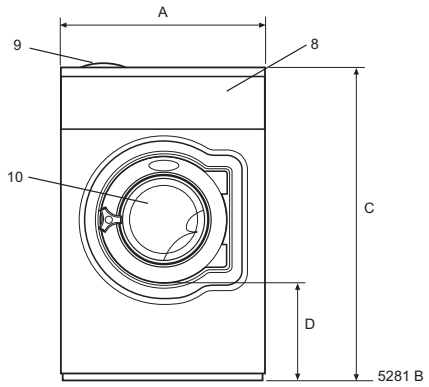
Connections

		W/SU620	W/SU625	W/SU630	W/SU640	W/SU655	W/SU675
Water valves connection		DN20 3/4"	DN20 3/4"	DN20 3/4"	DN20 3/4"	DN20 3/4"	DN20 3/4"
Rec. water pressure	psi	30-90	30-90	30-90	30-90	30-90	30-90
	kPa	200-600	200-600	200-600	200-600	200-600	200-600
Functioning limits	psi	8-145	8-145	8-145	8-145	8-145	8-145
for water valve	kPa	50-1000	50-1000	50-1000	50-1000	50-1000	50-1000
Capacity at 45 psi							
(300 kPa)	gallon/min	5	5	5	5	15	15
	l/min	20	20	20	20	60	60
Drain valve	inch	3	3	3	3	3	3
	outer Ø mm	75	75	75	75	75	75
Draining	gallon/min	45	45	45	45	45	45
capacity	l/min	170	170	170	170	170	170
Steam valve connection		DN15 1/2"	DN15 1/2"	DN15 1/2"	DN15 1/2"	DN15 1/2"	DN15 1/2"
Rec. steam pressure	psi	45-90	45-90	45-90	45-90	45-90	45-90
	kPa	300-600	300-600	300-600	300-600	300-600	300-600
Functioning limits for	psi	8-115	8-115	8-115	8-115	8-115	8-115
steam valve	kPa	50-800	50-800	50-800	50-800	50-800	50-800

1	Electrical connection
2	Cold water
3	Hot water
4	Hard water (option)
5	Steam connection
6	Drain
7	Liquid detergent supply
8	Control panel
9	Soap box
10	Door opening, EX618: ø 310 mm/12 3/16", EX625: ø 365 mm/14 3/8", EX630: ø 395 mm/15 9/16", EX640, EX655, EX670: ø 435 mm/17 1/8"

	A	B	C	D	E	F	G	H	I	K	L	M	N	O	P	R	S
EX618	720	690	1115	355	720	825	45	1030	220	1010	135	910	830	360	100	240	–
EX625	830	705	1300	365	740	910	45	1115	220	1095	135	995	910	415	100	295	–
EX630	910	785	1325	435	825	1035	125	1245	215	1225	300	1125	–	–	100	305	455
EX640	970	870	1410	470	945	1120	115	1330	230	1290	315	1205	370	410	100	335	485
EX655	1020	915	1445	500	955	1155	100	1360	215	1320	300	1240	350	360	100	360	510
EX670	1020	1060	1445	500	1135	1155	100	1360	215	1320	300	380	–	–	100	360	335

EX618, EX625, EX630



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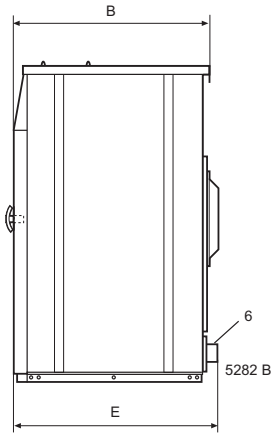

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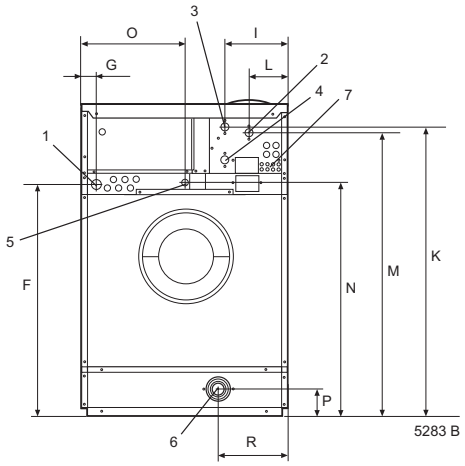
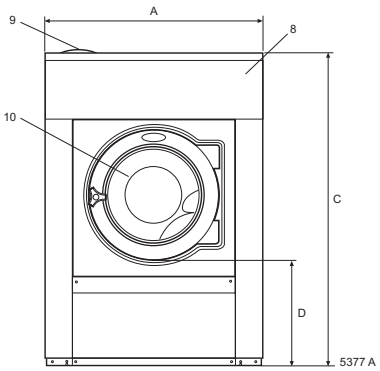


Rear side

EX640, EX655, EX670



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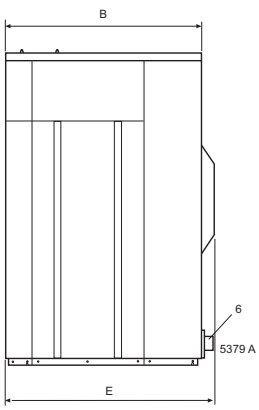

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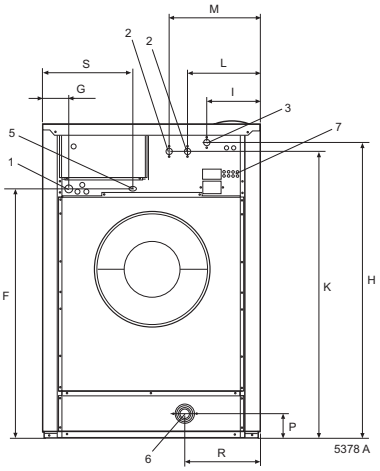


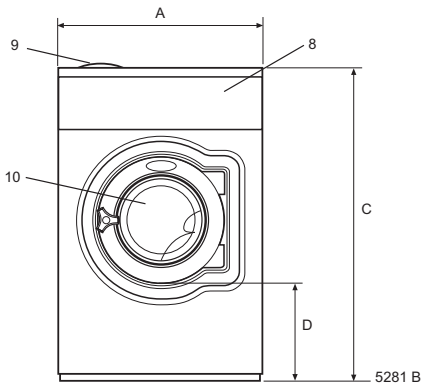
Rear side

Technical data

in inch	A	B	C	D	E	F	G	H	I	K
EX618	28 3/8	27 3/16	43 7/8	14	28 3/8	32 1/2	1 3/4	40 9/16	8 11/16	39 3/4
EX625	32 11/16	27 3/4	51 3/16	14 3/8	29 1/8	35 13/16	1 3/4	43 7/8	8 11/16	43 5/16
EX630	35 13/16	30 7/8	52 3/16	17 1/8	32 1/2	40 3/4	4 15/16	49	8 7/16	48 1/4
EX640	38 3/16	34 1/4	55 1/2	18 1/2	37 3/16	44 1/8	4 1/2	52 3/8	9 1/16	50 13/16
EX655	40 3/16	36	56 7/8	19 11/16	37 5/8	45 1/2	3 15/16	53 9/16	8 7/16	51 15/16
EX670	40 3/16	41 3/4	56 7/8	19 11/16	44 11/16	45 1/2	3 5/16	53 9/16	8 7/16	51 15/16

in inch	L	M	N	O	P	R	S
EX618	5 5/16	35 13/16	32 11/16	14 3/16	3 5/16	9 7/16	–
EX625	5 5/16	39 3/16	35 13/16	16 5/16	3 5/16	11 5/8	–
EX630	11 13/16	44 5/16	–	–	3 5/16	12	17 15/16
EX640	12 3/8	47 7/16	14 9/16	16 1/8	3 5/16	13 3/16	19 1/8
EX655	11 13/16	48 13/16	13 3/4	14 15/16	3 5/16	14 3/16	20 1/16
EX670	12 3/16	14 15/16	–	–	3 15/16	14 3/16	13 3/16

EX618, EX625, EX630



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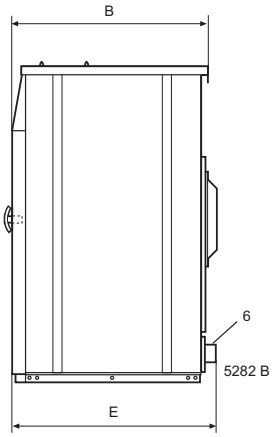

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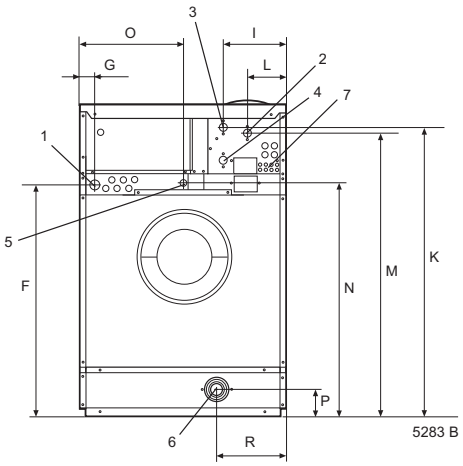
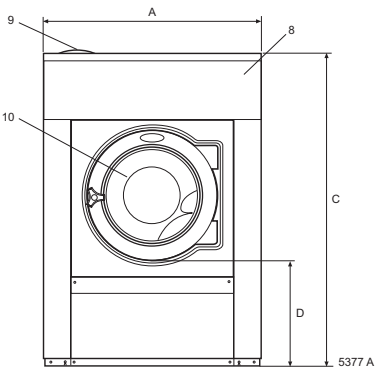


Rear side

EX640, EX655, EX670



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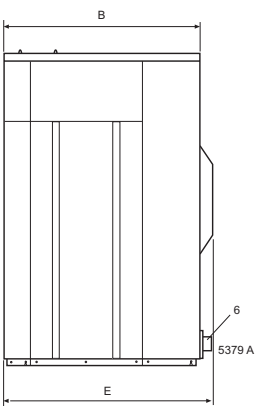

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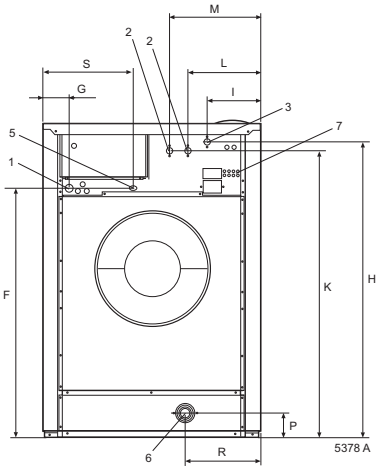
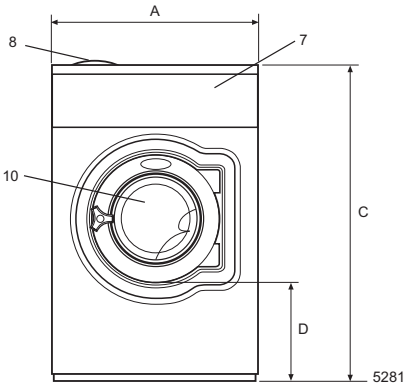


Rear side

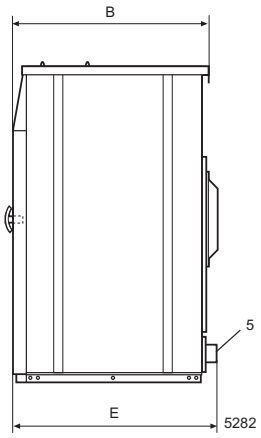
Technical data

1	Electrical connection
2	Cold water
3	Hot water
4	Steam connection
5	Drain
6	Liquid detergent supply
7	Control panel
8	Soap box
9	Water reuse
10	Door opening, W/SU620: ø 310 mm/12 3/16", W/SU625, SU630: ø 365 mm/14 3/8", W630, SU640: ø 395 mm/15 9/16", W640, W/SU655, W/SU675: ø 435 mm/17 1/8"

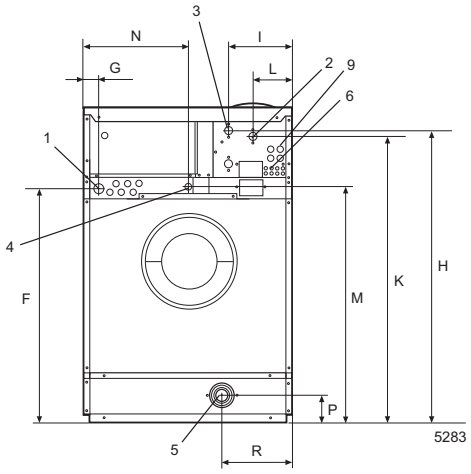
in mm	A	B	C	D	E	F	G	H	I	K	L	M	N	O	P	R
W/SU620	660	730	1115	355	765	825	45	1030	215	1010	130	830	385	–	100	210
W/SU625	720	705	1200	365	740	910	45	1115	215	1095	130	910	420	–	100	235
W/SU630	720	790	1200	365	825	910	45	1115	215	1095	130	910	420	–	100	235
W640	750	880	1325	435	915	1035	45	1245	130	1225	210	1040	325	295	100	225
SU640	750	880	1325	435	915	1035	45	1245	130	1225	210	1040	325	295	100	225
W655	830	955	1410	470	990	1120	45	1330	160	1290	245	1125	325	325	100	265
SU655	830	955	1410	470	990	1120	45	1330	160	1290	245	1125	325	325	100	265
W675	910	1040	1445	500	1075	1155	45	1365	160	1325	245	1155	280	325	100	210



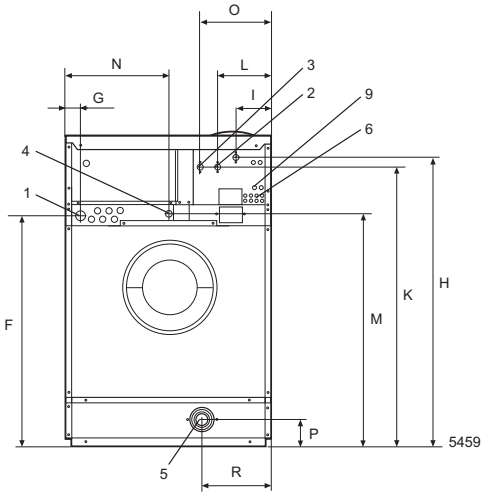
Front



Right side



Rear side **W/SU620-630**

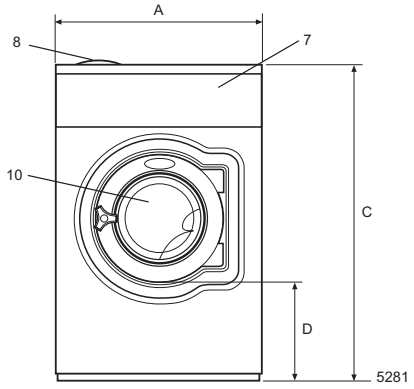


Rear side **W/SU640-675**

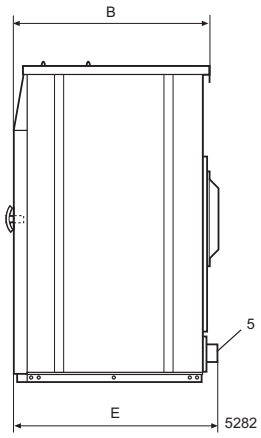
Technical data

in inch	A	B	C	D	E	F	G	H	I	K
W/SU620	26	28 3/4	43 7/8	14	30 1/8	32 1/2	1 3/4	40 9/16	8 7/16	39 3/4
W/SU625	28 3/8	27 3/4	47 1/4	14 3/8	29 1/8	35 13/16	1 3/4	40 7/8	8 7/16	43 1/8
W/SU630	28 3/8	31 1/8	47 1/4	14 3/8	32 1/2	35 13/16	1 3/4	40 7/8	8 7/16	43 1/8
W640	29 1/2	34 5/8	52 3/16	17 1/8	36	40 3/4	1 3/4	49	5 1/8	48 1/4
SU640	29 1/2	32 11/16	52 3/16	14 3/8	36	40 3/4	1 3/4	49	5 1/8	48 1/4
W655	32 11/16	37 5/8	55 1/2	19 1/2	39	44 1/8	1 3/4	52 3/8	6 5/16	50 13/16
SU655	32 11/16	37 5/8	55 1/2	17 1/8	39	44 1/8	1 3/4	52 3/8	6 5/16	50 13/16
W675	35 13/16	40 15/16	56 7/8	19 11/16	42 5/16	45 1/2	1 3/4	53 3/4	6 5/16	52 3/16

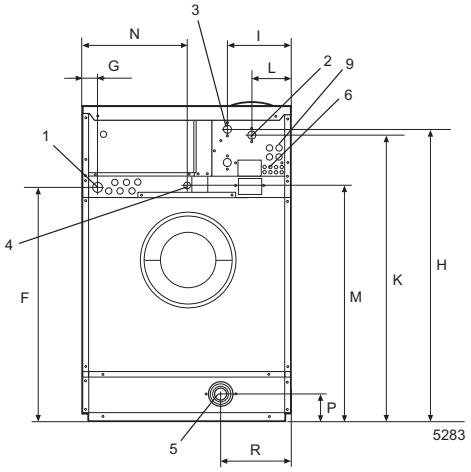
in inch	L	M	N	O	P	R
W/SU620	5 1/8	32 11/16	15 3/16	–	3 15/16	8 1/4
W/SU625	5 1/8	35 13/16	19 9/16	–	3 15/16	9 1/4
W/SU630	5 1/8	35 13/16	16 9/16	–	3 15/16	9 1/4
W640	8 1/4	40 15/16	12 13/16	11 5/8	3 15/16	8 7/8
SU640	8 1/4	40 15/16	12 13/16	11 5/8	3 15/16	8 7/8
W655	9 5/8	44 5/16	12 13/16	12 13/16	3 15/16	10 7/16
SU655	9 5/8	44 5/16	12 13/16	12 13/16	3 15/16	10 7/16
W675	9 5/8	45 1/2	11	12 13/16	3 15/16	8 1/4



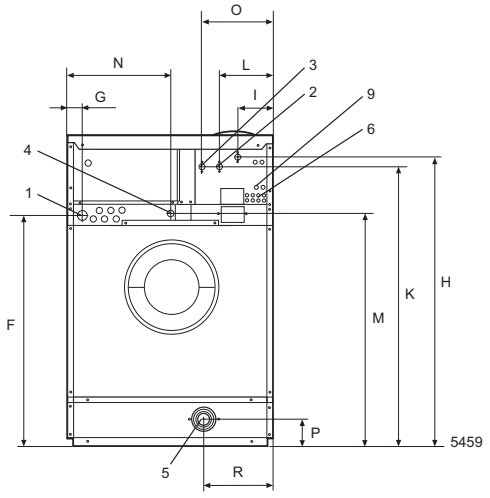
Front



Right side



Rear side **W/SU620-630**



Rear side **W/SU640-675**

	EX618	EX625	EX630	EX640	EX655	EX670
Frequency of the dynamic force Hz	18.3	17.1	16.3	15.5	14.8	13.7
Max floor load lbs force	417±110	560±112	703±114	944±221	1158±221	1387±277
at extraction kN	1.9±0.5	2.5±0.5	3.1±0.5	4.2±1.0	5.2±1.0	6.2±1.2

	W620/ SU620	W625/ SU625	W630/ SU630	W640/ SU640	W655/ SU655	W675/ SU675
Frequency of the dynamic force Hz	9.3/11.6	8.7/10.8	8.7/10.8	8.3/10.3	7.9/9.8	7.5/9.4
Max floor load lbs force	375±696/ 375±741	468±813/ 468±896	518±912/ 518±1050	648±1057/ 611±1320	842±1189/ 842±1663	1019±1310/ 948±1974
at extraction kN	1.7±3.1/ 1.7±3.3	2.1±3.6 2.1±4.0	2.3±4.1/ 2.3±4.7	2.9±4.7/ 2.7±5.9	3.7±5.3/ 3.7±7.4	4.5±5.8/ 4.2±8.8

Installation

Transportation and unpacking, EX618, EX625

The machine is delivered complete with expansion bolts etc. packed inside the machine in the drum.

The machine is delivered bolted onto the transport pallet and packed in a crate or box.

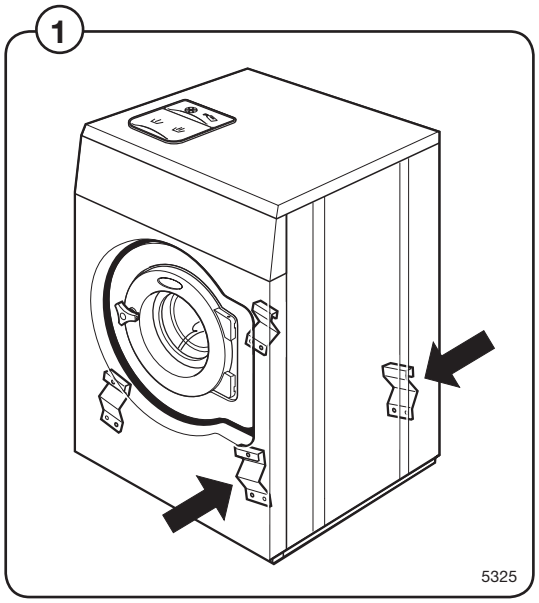
- Remove packing from the machine.
- Remove front and rear panel. Remove the bolts between the machine and pallet.
- Mount front and rear panel.
- Mount the feet.
- Place the machine on its final position.
- Level the machine with the feet of the machine.

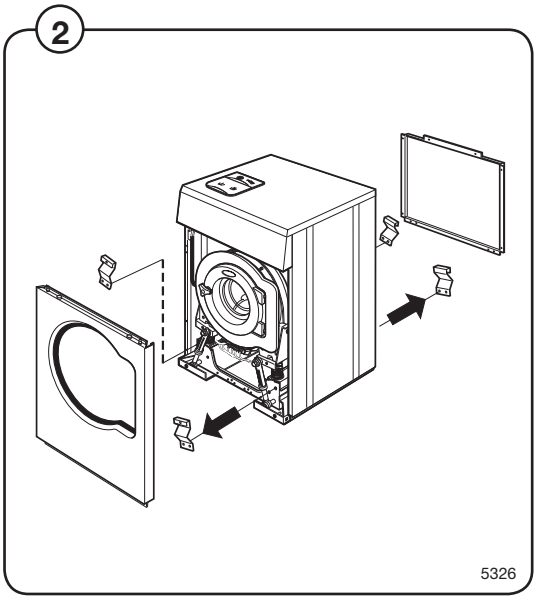
(1) The machine also comes with transport safety devices (four plate angles between the frame and the drum).

In order to remove the safety devices:

- Unpack the machine.
- (2) Remove front and rear panel.
- Remove both front metal angels.
- Remove both rear metal angels.

Note!
Once the shipping safety devices have been removed, handle the machine carefully to avoid damage to the suspension components.





Transportation and unpacking, EX630, EX640, EX655, EX670

The machine is delivered complete with expansion bolts etc. packed inside the machine in the drum.

The machine is delivered bolted onto the transport pallet and packed in a crate or box.

- Remove packing from the machine.
- Remove front and rear panel. Remove the bolts between the machine and pallet.
- Mount front and rear panel.
- Mount the feet.

(4) **NOTE!**
Regarding EX670 note the positioning of the two front feet.

- Place the machine on its final position.
- Level the machine with the feet of the machine.

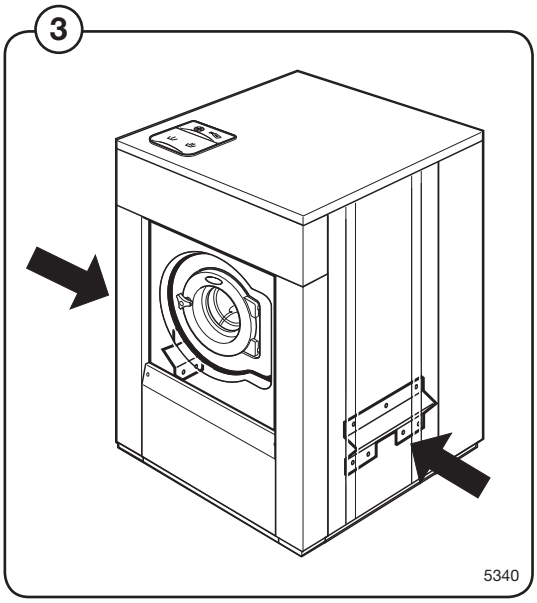
(3) The machine also comes with transport safety devices (two plate angles between the support and the drum).

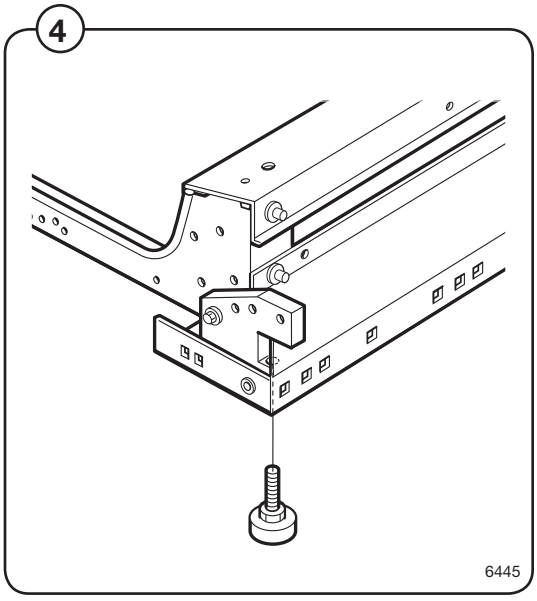
In order to remove the safety devices:

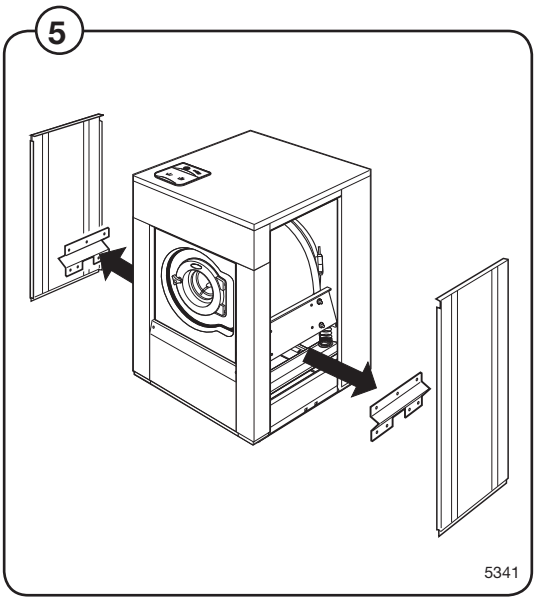
- Unpack the machine.

(5)
- Remove the two side panels.
- Remove the two transport securities.

Note!
Once the shipping safety devices have been removed, handle the machine carefully to avoid damage to the suspension components.





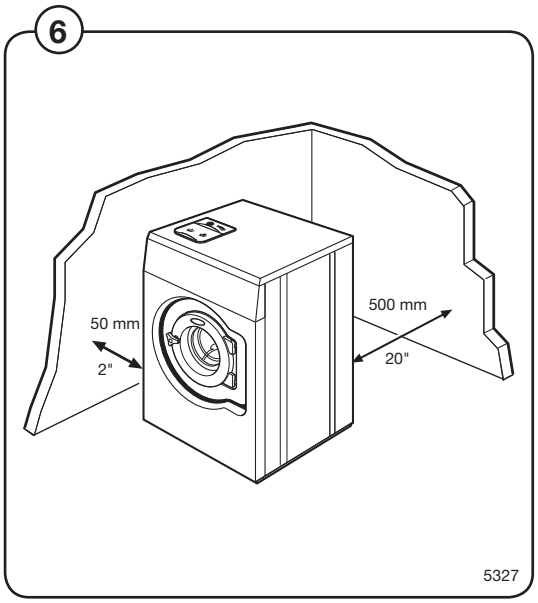


Siting and floor

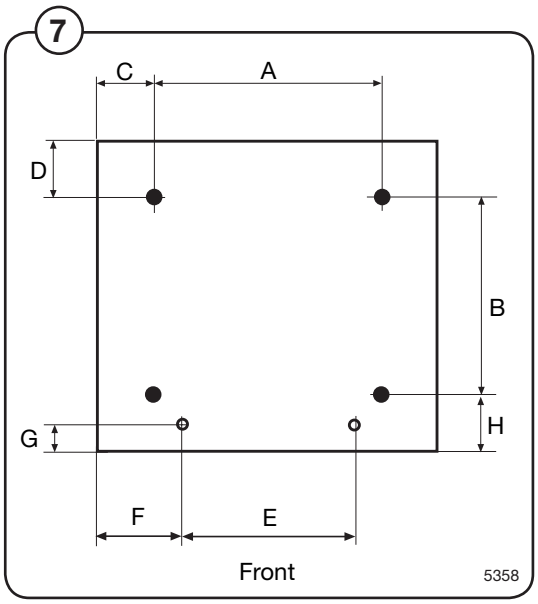
Install the machine close to a floor drain or open drain.

(6) In order to make installation and servicing the machine easier the following clearances are recommended:

- At least 20 inches (500 mm) between the machine and the wall behind
- and min. 2 inches (50 mm) on both sides of the machine whether installed next to the wall or other machines.



Mechanical installation



(7)

- Mark and drill 2 holes (ø 8 mm/5/16") about 40 mm/1 9/16" deep (EX618-625) and ø 10 mm/3/8" and 50 mm/2" deep (EX630-655) in the positions.

● = position of feet

○ = drilling points for expander bolts

- The machine must be lifted in its base frame.
- Place the machine over the two drilled holes on the foundation.
- Check that the machine is in level, both side-to-side and front to back. Adjust with the feet.

It is of utmost importance that the machine level, from side to side as well as front to rear. If the machine is not properly leveled, it may result in out-of-balance without a real out of balance in the drum.

- Insert the expansion bolts supplied in the holes drilled in the floor. Fit the washers and nuts, and tighten securely.

in mm	A	B	C	D	E	F	G	H
EX618	495	460	110	130	375	170	40	100
EX625	575	465	130	140	455	185	35	95
EX630	635	490	135	175	515	195	60	110
EX640	715	545	125	205	595	185	60	115
EX655	790	615	115	180	670	175	60	115
EX670	790	755	60	180	670	175	60	75

in inch	A	B	C	D	E	F	G	H
EX618	19 1/2	18 1/8	4 5/16	5 1/8	14 3/4	6 11/16	1 9/16	3 15/16
EX625	22 5/8	18 5/16	5 1/8	5 1/2	17 15/16	7 5/16	1 3/8	3 3/4
EX630	25	19 5/16	5 5/16	6 7/8	20 1/4	7 11/16	2 3/8	4 5/16
EX640	28 1/8	21 7/16	4 15/16	8 1/16	23 7/16	7 5/16	2 3/8	4 1/2
EX655	31 1/8	24 3/16	4 1/2	7 1/16	26 3/8	6 7/8	2 3/8	4 1/2
EX670	31 1/8	29 5/8	2 3/8	7 1/16	26 3/8	6 7/8	2 3/8	2 15/16

Installation W- and SU-model

Leave the machine on the transport pallet until it can be placed in the final, prepared position.

Siting

Install the machine close to a floor drain or open drain. In order to make installation and servicing the machine easier the following clearances are recommended:

(8)

- At least 20 inches (500 mm) between the machine and the wall behind.
- Minimum 1 inch (25 mm) to next machine if more than one machine is installed on a foundation.

Floor

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.

The machine must be securely fastened to a suitable foundation using M16 (5/8 inch) threaded rod, flat washers and lock nuts or lock washers. 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.

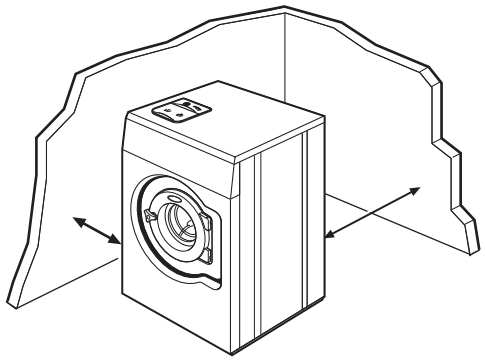
When fixing the machine to an existing cement floor, it must be at least 8 inches (200 mm) thick.

The floor must be able to withstand the loads indicated in the table.

If it isn't possible to cast the bolts into the floor, an alternative might be to use so-called chemical anchors. Your local dealer can provide the information you need.

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

8



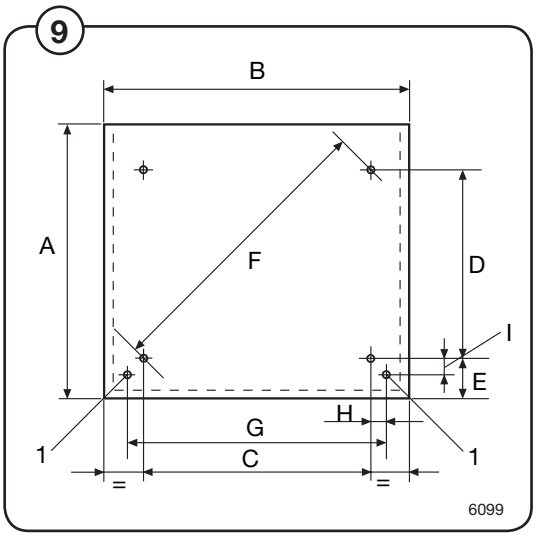
5327

Model SU and W/E675

For these machines two expander bolts shall be mounted at the front part of the machine.

(9)

- Drill two holes (1) ø10 mm/ 3/8" and 40 mm/ 1 9/16" deep.
- After the machine has been placed over the other four bolts, place the two spacer washers over the two holes. They shall be placed between the machine and foundation.
- Mount the expenderbolts in the drilled holes and fasten the machine. Don´t forget the washers.



in mm	A	B	C	D	E	F	G	H	I
W620	725	660	495	445	115	665	–	–	–
W625	700	720	575	385	120	695	–	–	–
W630	785	720	575	495	120	760	–	–	–
W640	875	750	635	570	120	855	–	–	–
W655	950	830	715	635	125	955	–	–	–
W675	1035	910	790	695	135	1050	810	10	95
SU620	725	660	495	445	115	665	495	0	75
SU625	700	720	575	385	120	695	595	10	80
SU630	785	720	575	495	120	760	595	10	80
SU640	875	750	635	570	120	855	655	10	85
SU655	950	830	715	635	125	955	735	10	85
SU675	1035	910	790	695	135	1050	810	10	95

in inch	A	B	C	D	E	F	G	H	I
W620	28 9/16	26	19 1/2	17 1/2	4 1/2	26 3/16	–	–	–
W625	27 7/8	28 3/8	22 3/4	15 3/16	4 3/4	27 13/32	–	–	–
W630	30 7/8	28 3/8	22 5/8	19 1/2	4 3/4	29 15/16	–	–	–
W640	34 7/16	29 1/2	25	22 7/16	4 3/4	33 11/16	–	–	–
W655	37 3/8	32 11/16	28 1/8	25	4 15/16	37 5/8	–	–	–
W675	40 3/4	35 13/16	31 1/8	27 3/8	5 5/16	41 5/16	31 7/8	13/32	3 3/4
SU620	28 9/16	26	19 1/2	17 1/2	4 1/2	26 3/16	19 1/2	0	2 15/16
SU625	27 7/8	28 3/8	22 3/4	15 3/16	4 3/4	27 13/32	23 7/16	13/32	3 1/8
SU630	30 7/8	28 3/8	22 5/8	19 1/2	4 3/4	29 15/16	23 7/16	13/32	3 1/8
SU640	34 7/16	29 1/2	25	22 7/16	4 3/4	33 11/16	25 13/16	13/32	3 3/8
SU655	37 3/8	32 11/16	28 1/8	25	4 15/16	37 5/8	28 15/16	13/32	3 3/8
SU675	40 3/4	35 13/16	31 1/8	27 3/8	5 5/16	41 5/16	31 7/8	13/32	3 3/4

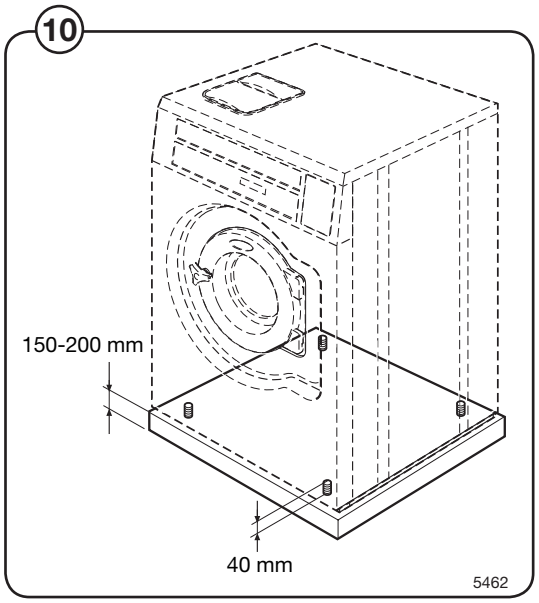
Casting a plinth

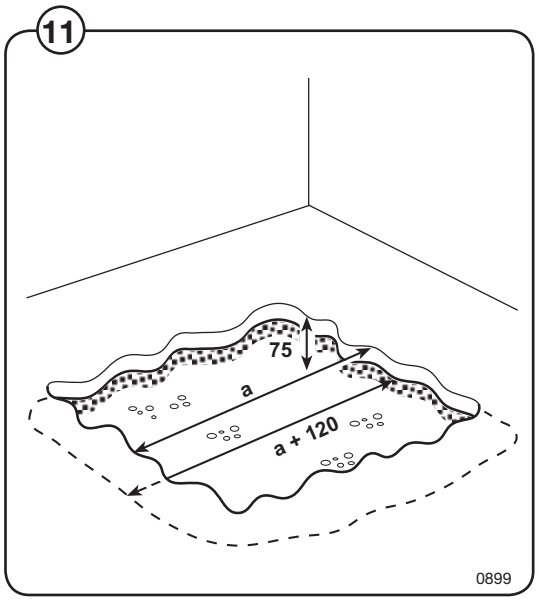
(10) A foundation should be used where the existing floor is less than 8 inches (200 mm) thick or in order to ensure that the machine is securely anchored and will not vibrate excessively.

The foundation must be at least 8 inches (200 mm) thick.

Proceed as follows:

(11)
- Break up the existing floor to a depth of approx. 5 inches (125 mm) and check that the sides of the hole are tapered outward so that the longest side at the bottom measures 5 inches (125 mm) more than at the top.
- Make the forms for the foundation.
- Moisten the hole well and apply cement to the sides and bottom.
- A number of mounting bolts must be set into the concrete of the foundation.
  The bolts need to project 1-1 1/2 inches (40 mm) out of the base. Pour the concrete into the prepared base mold and make sure that the surface is level.
- The concrete should be left to set for at least two days before mounting the machine on the foundation.
- Mounting bolt locations are shown with respect to the outer surface of the machin's front panel. If the front panel is to be set back from the front of the foundation, add the setback distance to dimension "E".





Installing the machine

To install the machine:

- Remove the transport packaging
- Remove the front panel.
- Remove the machine from the transport pallet and locate it on the bolts.
  Always lift the machine by the chassis, never by the door or door handle.

(12) • Check that the machine is level and steady at all four corner mounting points. Adjust the level by using stainless or galvanized steel washers or shims between the machine and the floor. The washers must be of a size to cover the support surface.

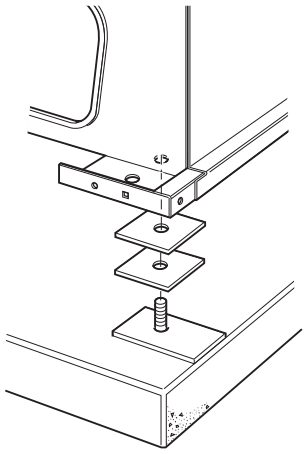
(13) • Fit the washers and self-locking nuts supplied with the machine and tighten securely.

(14) • To tighten the nuts we recommend to use a rachet wrench, especially in the right rear corner.

During the first several weeks of use, check and tighten the nuts (as necessary) frequently. Continue to check them periodically, thereafter.

IMPORTANT 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.

(12)



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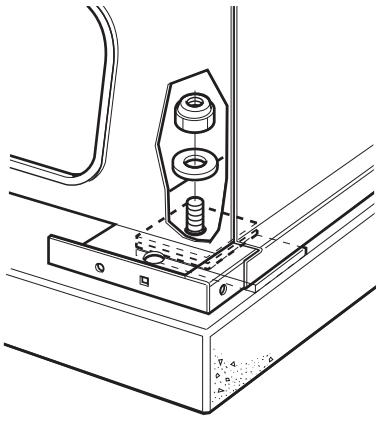
(13)



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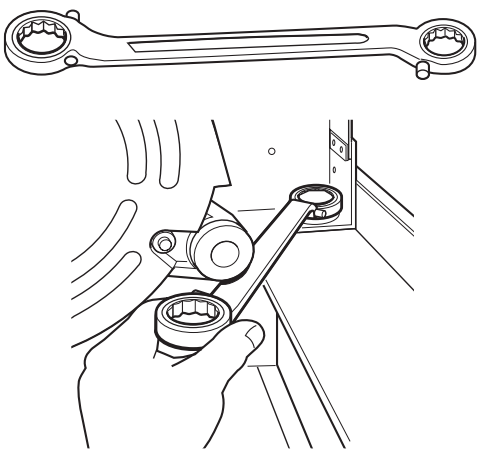
(14)



5951, 5952

Water connections

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

Water pipes and hoses should be flushed clean before installation. After installation, hoses should hang in gentle arcs.

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

The machine may have between one and four DN 20 (R 3/4") water connectors. **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 model of the machine.

All water connectors must be connected up, otherwise the wash program will not function correctly.

The water pressure data is as follows:

- min: 15 PSI (100 kPa)
- max: 90 PSI (600 kPa)
- recommended: 30-90 PSI (200-600 kPa)

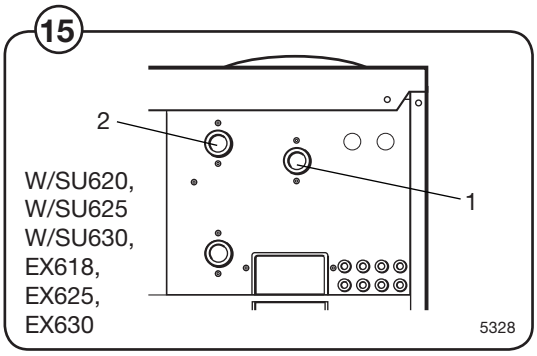
	Water type	Water connection 1	2	3
(15)	cold and hot	cold	hot	
(16)	cold and hot	cold	hot	cold*/ hot

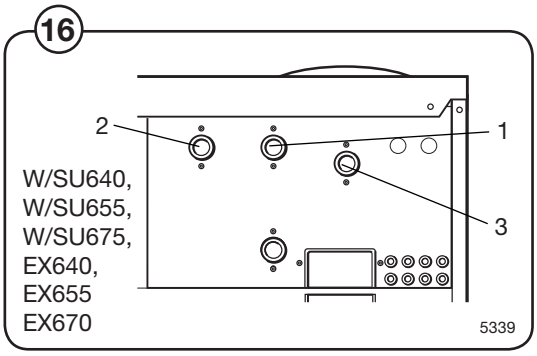
* For detergent container.

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 reuse from tank.

If pump is used, it is only a water connection without valve.

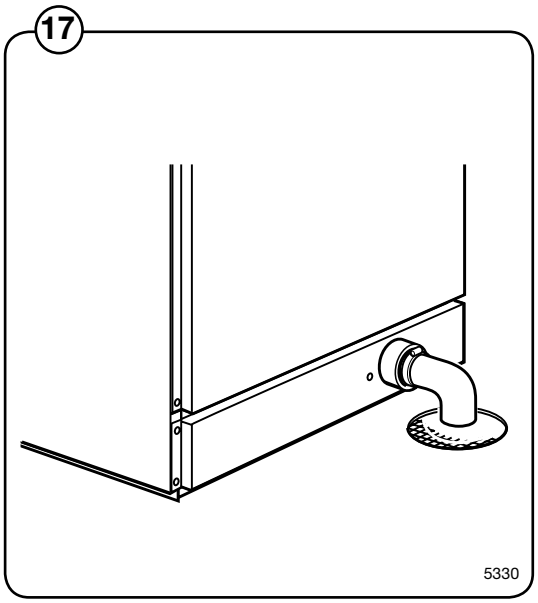




Drain connection

Connect a 3 inch O.D. (75 mm) 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.

(17) The washer may drain in to a drainage through or into a closed drain system. In either case, be sure to comply with all applicable national and local plumbing code provisions.



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").

Steam pressure required:

- minimum: 7 psi (50 kPa)
- maximum: 115 psi (800 kPa)
- rec. pressure: 600 kPa (6 kp/cm^2)

(18) • Remove top cover (A).

• Remove casing (B).

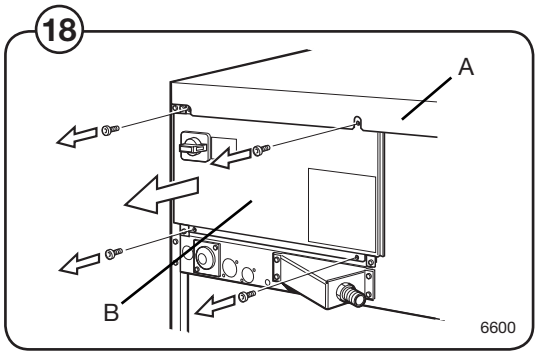
(19) • Mount the articulated nipple to the steam valve.

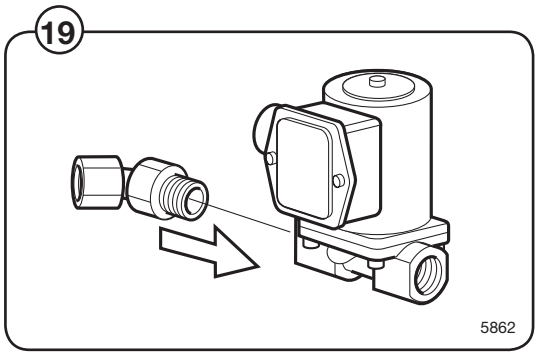
(20) • Mount the steam valve on the machine.

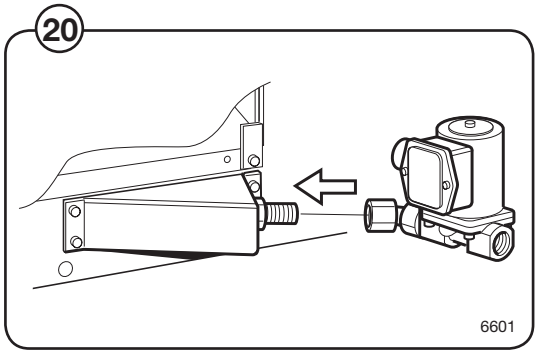
(21) • Mount nipple, strainer and elbow. Note the direction of the strainer. Mount steam hose to the elbow.
Check that there are no sharp angles or bends on the connected steam hose.

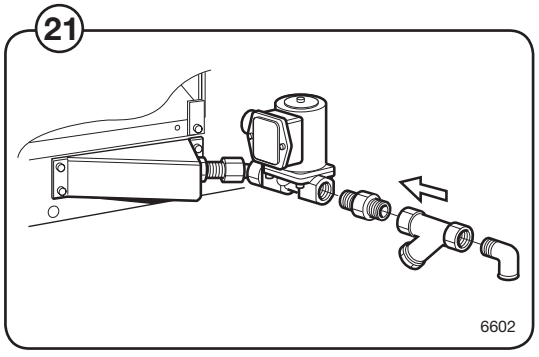
(22) • Mount the hose with wires between steam valve and machine.
Connect wires in the steam valve.
Connect ground cable to the terminal ground connection.

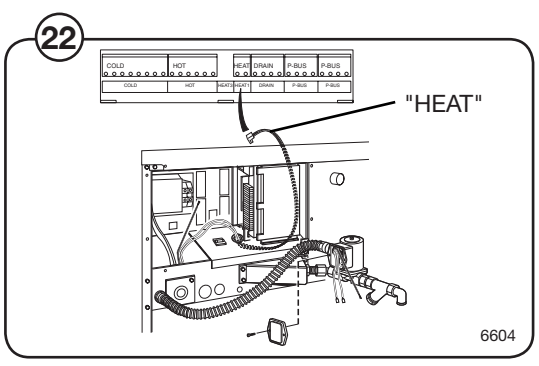
Connect the ”HEAT” cable connector to the ”HEAT” terminal on the I/O board.











Connection of external liquid supplies

The external dosing equipment power supply must never be connected to the machine's incoming terminal block.

Machines fitted with connectors

(23) • Connect the pump equipment to connections A and B on the washing machine.
Connect the signal cable to B and the power supply to A.

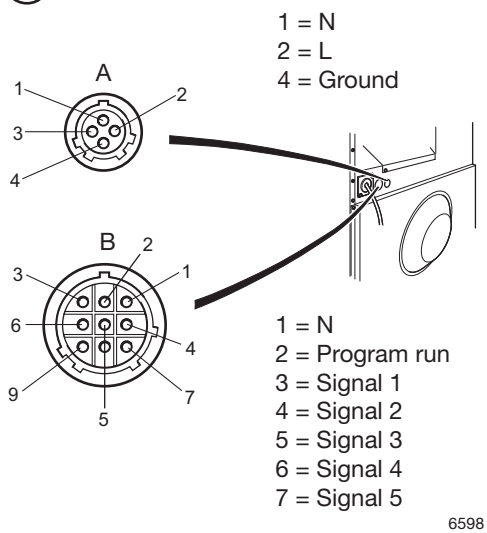
Machines without connectors

• Connect the external pump equipment for liquid washing detergent to the I/O board, which is located to the right of the incoming power supply.
The I/O card has edge connectors for connecting external pumps.

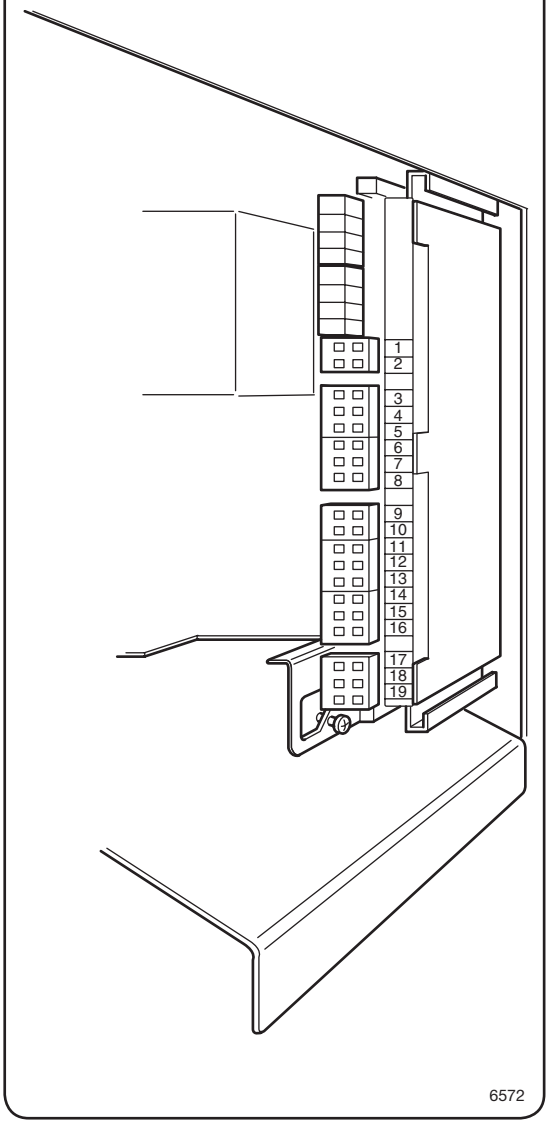
(24) • Edge connectors on the I/O board can be loosened for connecting cables.

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

(23)



(24)



Outputs

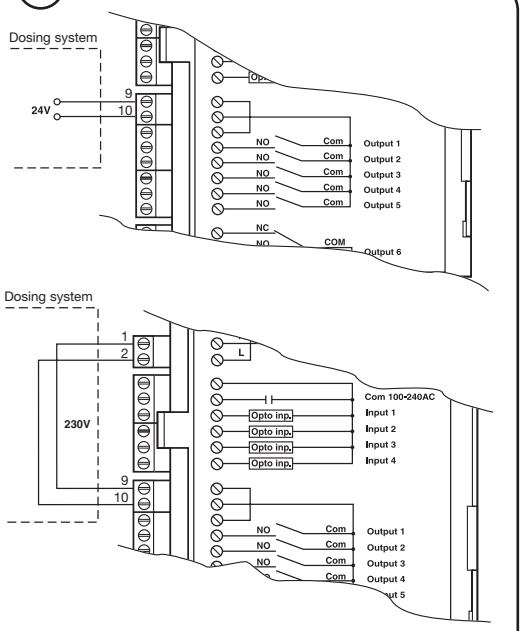
(25)
- Connect external power supply (e.g. 24V DC) for pumps to 9 and 10. If an internal power supply (from the washing machine) is being used, it can be taken from 1 (N) and connected to 9 and from 2 (L) and connected to 10. Max load on the outputs 0.5 A.

(26)
- Signals for pumps 1-5 are connected to 12-16 where connector
  - 12 Washing detergent signal 1
  - 13 Washing detergent signal 2
  - 14 Washing detergent signal 3
  - 15 Washing detergent signal 4
  - 16 Washing detergent signal 5

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

25



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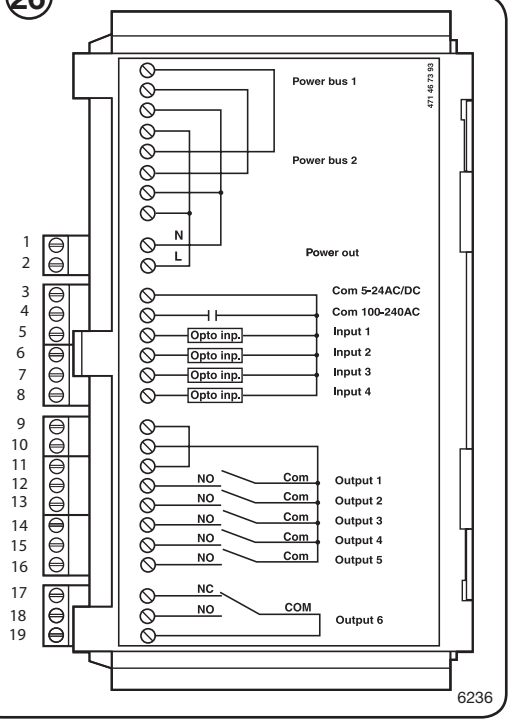
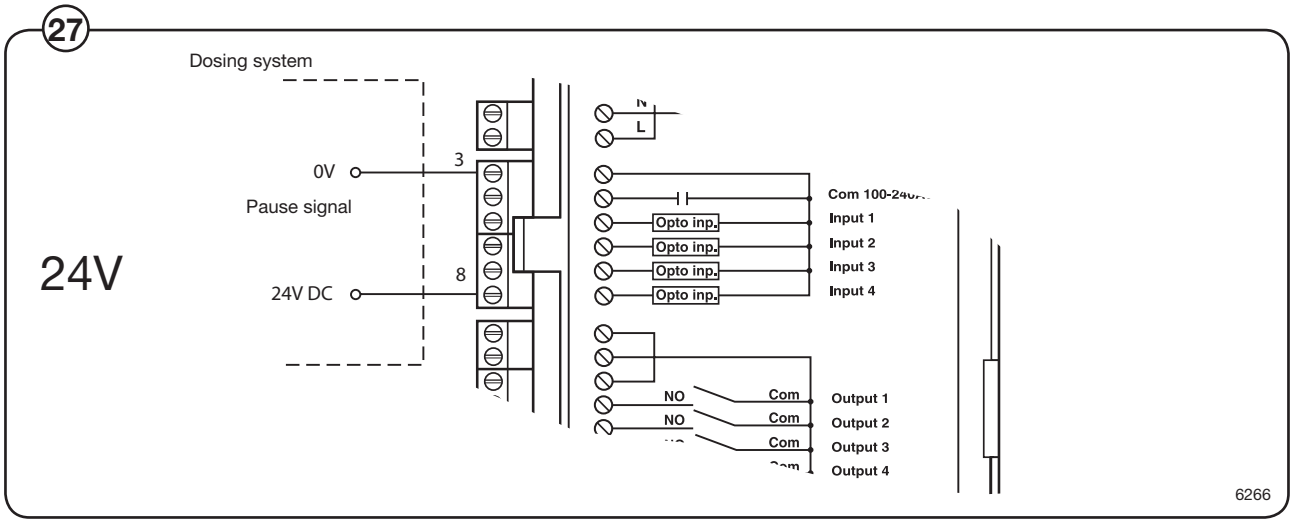
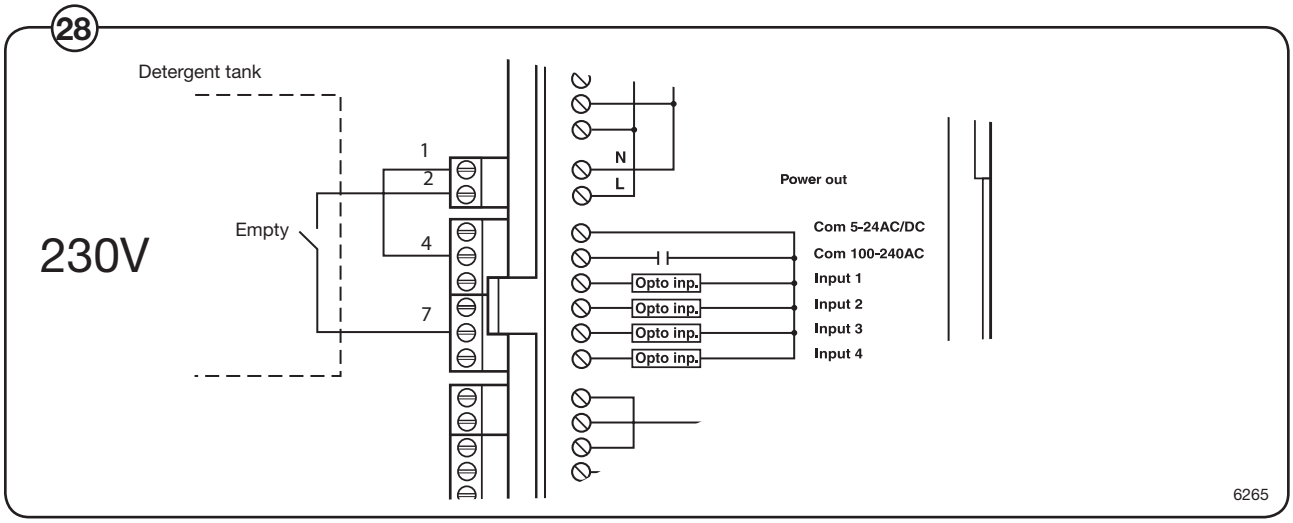
26



6236

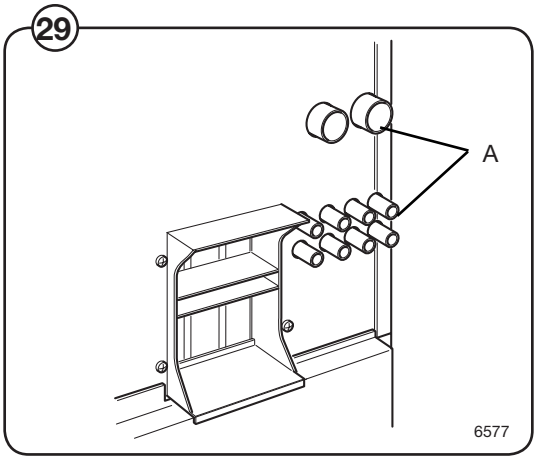
(27) • Connection 8 may be connected if the washing program is to pause, e.g. while washing detergent is being dosed.
The figure shows an example of engaging a 24V pause signal.
The washing program will pause for as long as the pause signal remains activated (high).





(28) • Connection 7. If this is connected, an error message will be displayed indicating that one of the chemical tanks is empty. The washing program will continue, however.
The figure shows an example of engaging a normal open contact.

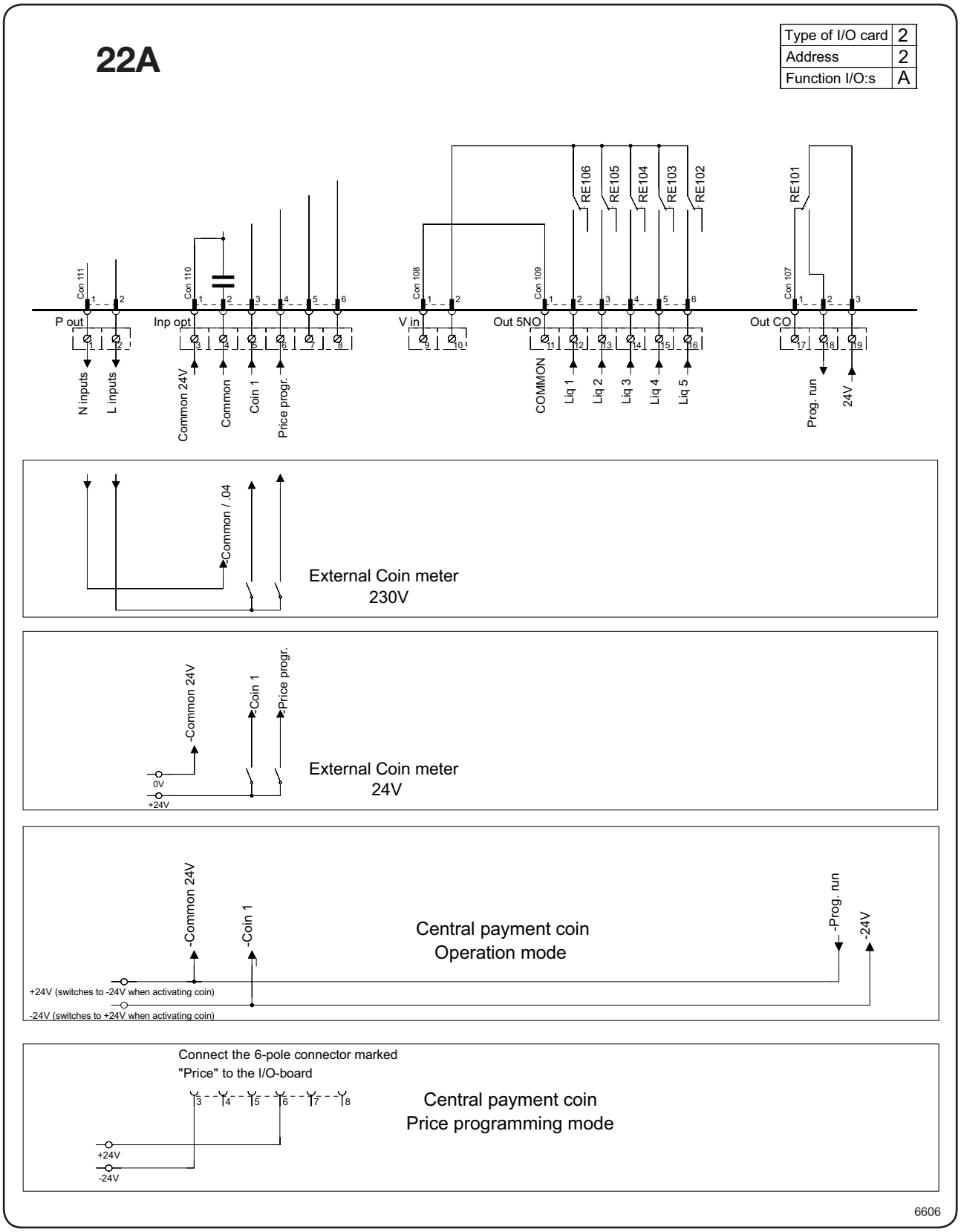
(29) • Connect the liquid dosing hoses to any of the connections marked A.



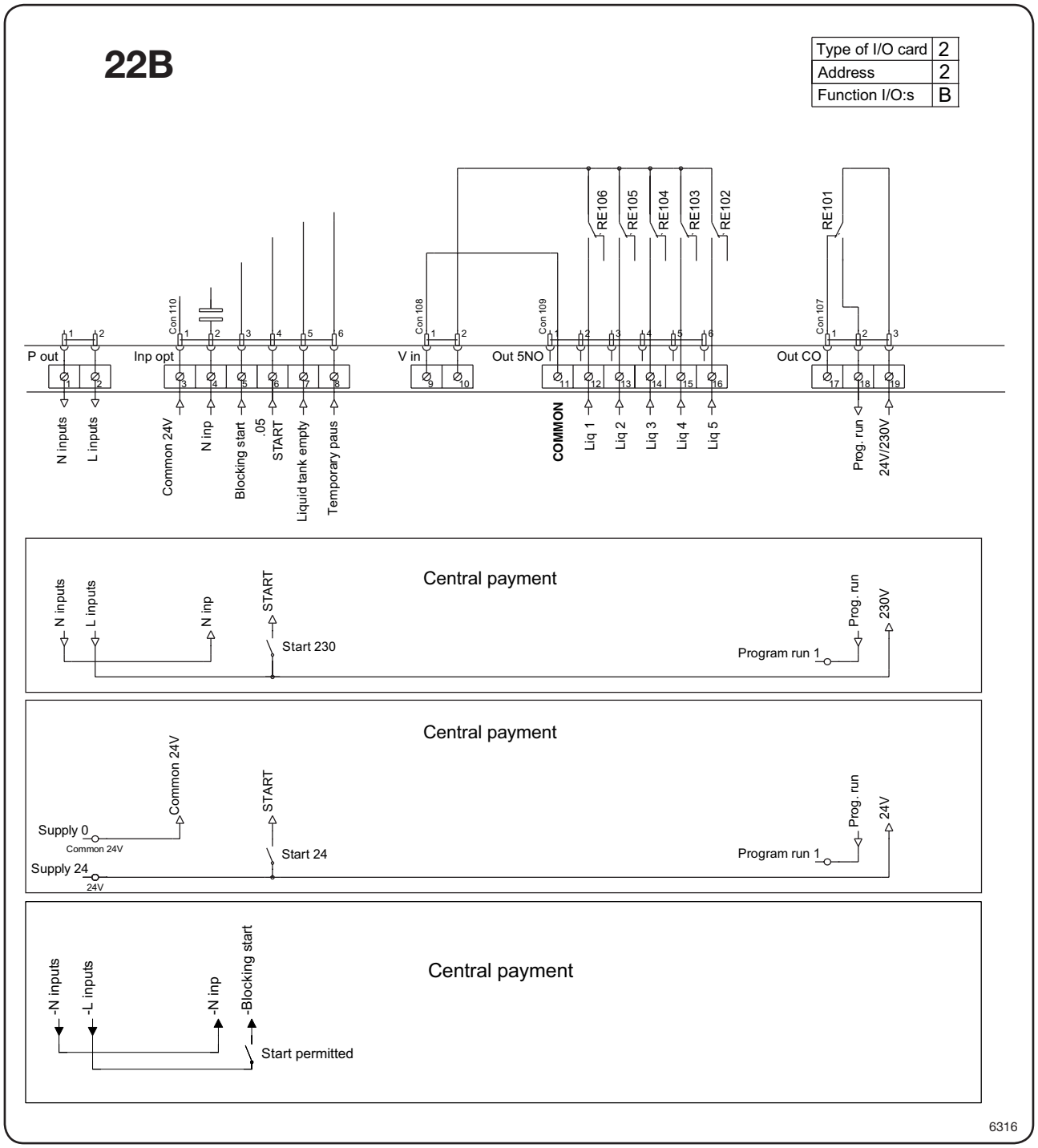
Functions for I/O -cards

- Check the electrical schematic for the machine to find out what functions are available for the machine.

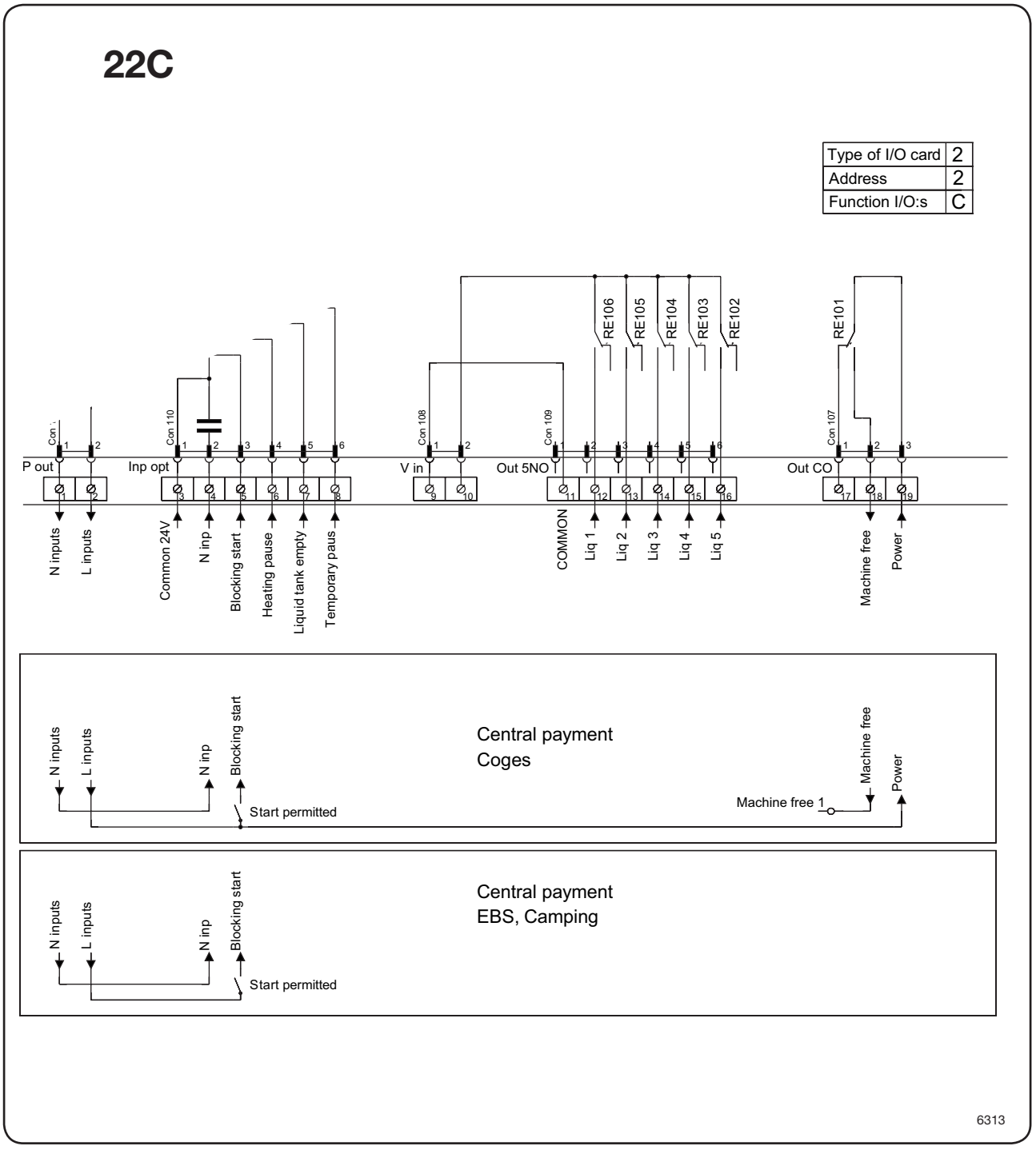
  The electrical schematic can have one of the following: 22A, 22B, 22C, 22D, 22E, 22F or 22G.



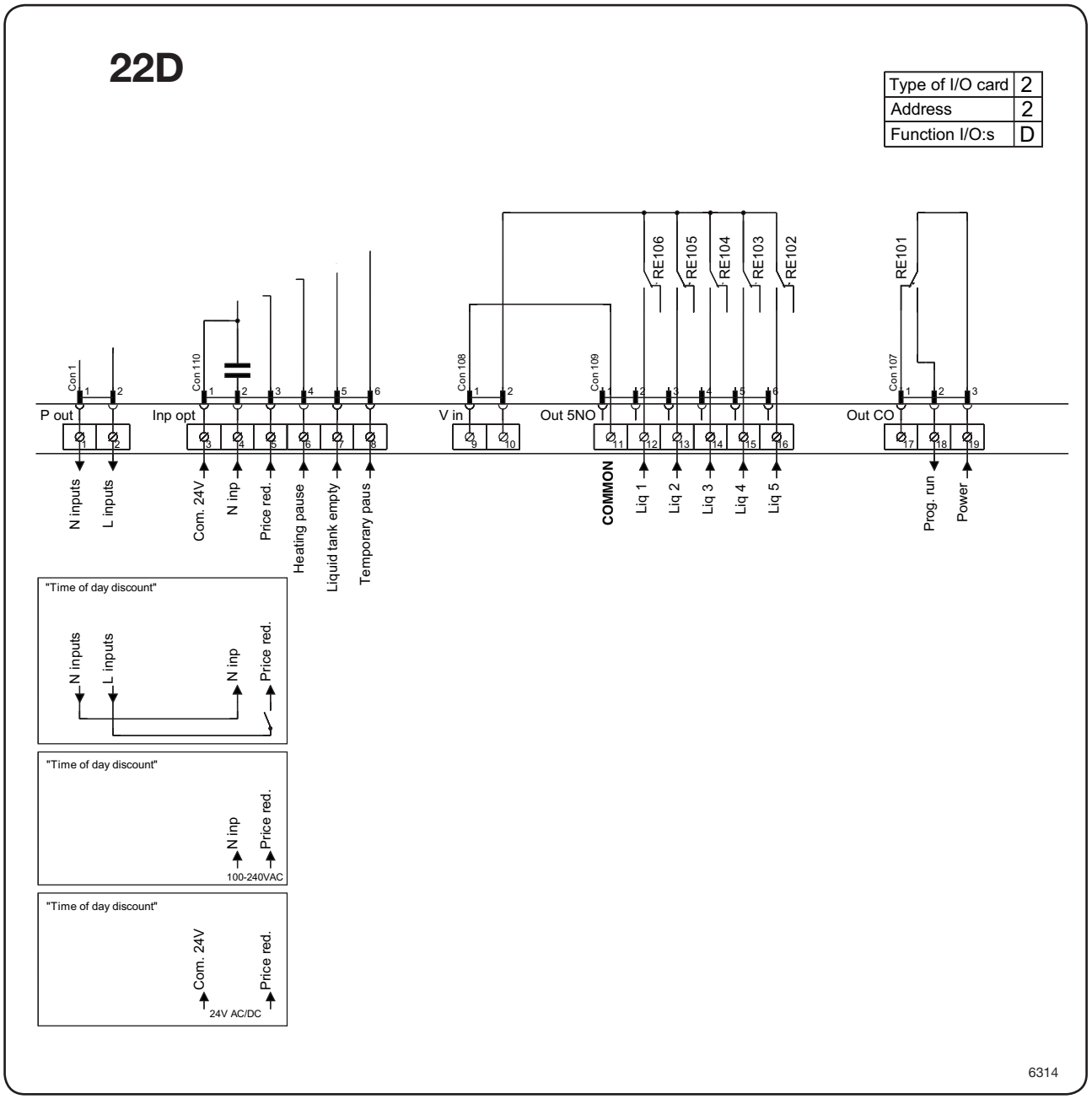
- The signal received from external slot meters must be a pulse. In order to program prices, the signal initiating the programming procedure must remain activated (high).



- To start the machine from a central payment system, the payment system must transmit a start pulse to the washing 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 activated (high) during the entire wash program.



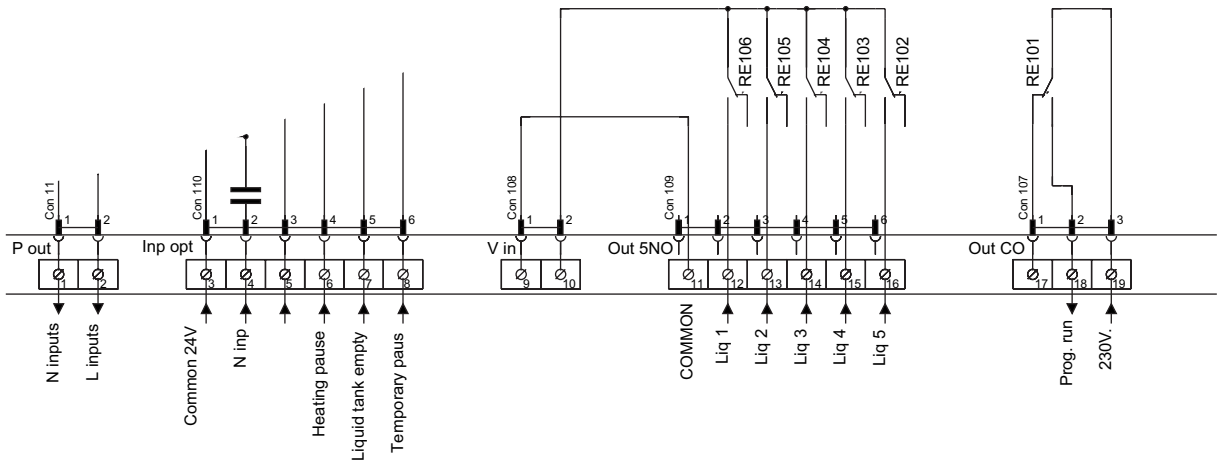
- The central payment or booking system shall transmit an activated (high) signal to the washing machine once permission has been granted to start the machine. The signal must remain activated (high) until the washing machine starts. A feedback signal will be present on connection 18 and remain activated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



- The figure shows standard function addressing for machines with the 3L41 program package.
- By maintaining an activated (high) signal on connection 5 (”Price red”), the price of the wash 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 activated (high), the price of the wash program is reduced by the percentage entered in the price programming menu.

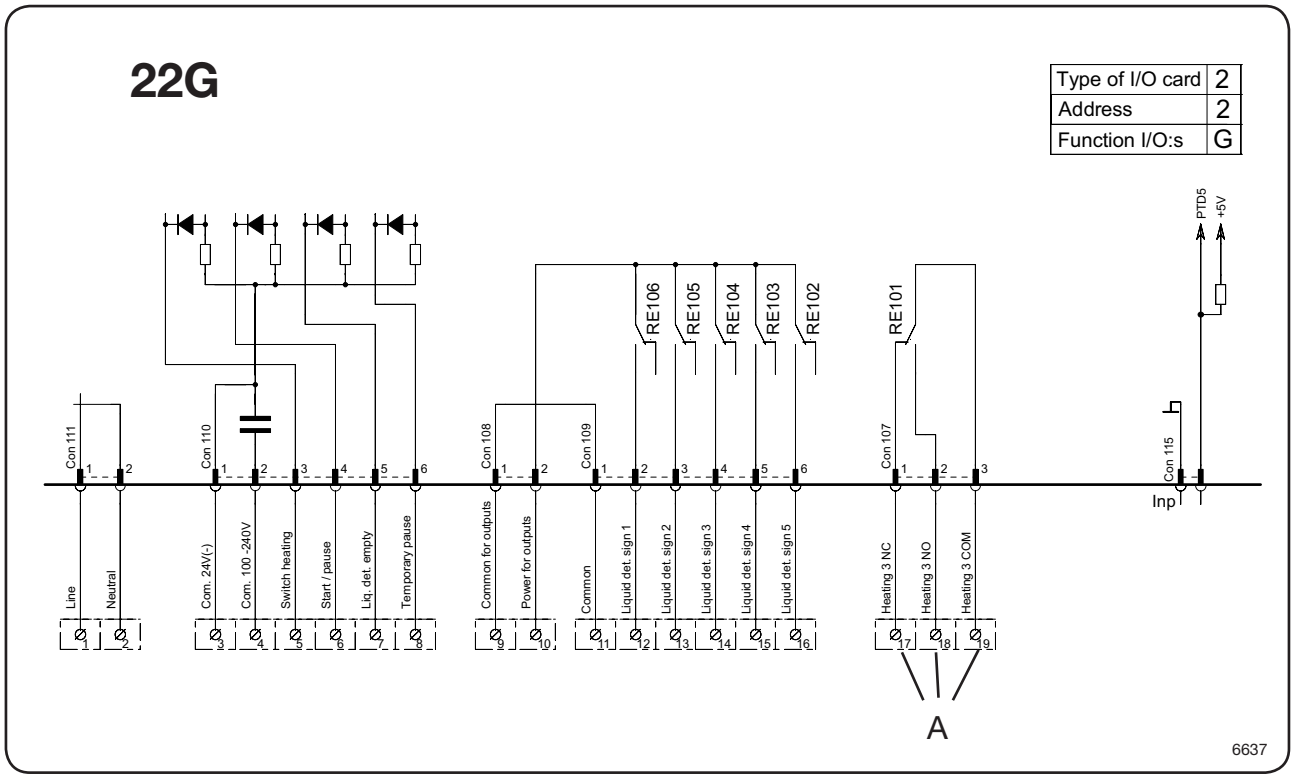
22E

Type of I/O card	2
Address	2
Function I/O:s	E



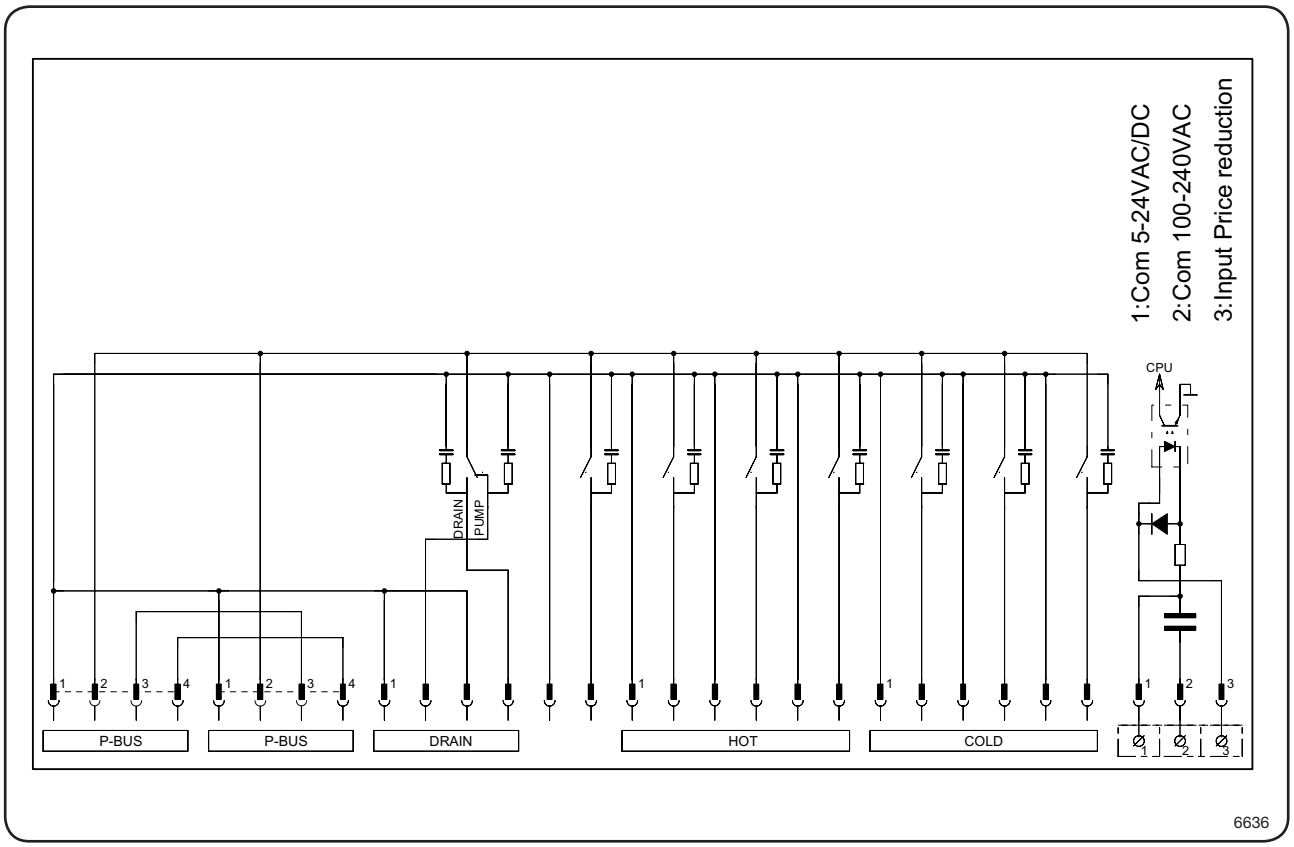
6315

- Heating pause: Signal can be connected to connection 6 to pause the machine whilst it heats up. The machine's heating program will pause for as long as the pause signal remains activated (high).



- Gas heating unit must be connected to connections 17, 18 and 19.

Machines with type 3 I/O



- By maintaining an activated (high) signal on connection 3 (”Price red”), the price of the wash 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 activated (high), the price of the wash program is reduced by the percentage entered in the price programming menu.

Electrical installation


Electrical installation must be carried out by licensed, qualified personnel!


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

- **contact a licensed, qualified electrician to ensure that the appropriate type of breaker is chosen and that the breaker rating is correct**
- **for maximum reliability, connect only one machine per circuit breaker**
- **it is important that the earth wire is properly connected, including to the ground fault circuit breaker**.

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

The connecting cable should hang in a gentle curve.

For proper circuit breaker sizes, see table on the next page.

Single-phase connection:

(30) Connect the earth and other two wires as shown in example ”1AC” in the figure.

For the W640 and W655, special circuit breaker considerations must be made. The following guidelines will assist you in selecting an appropriate circuit breaker.

W640:
Select a 25 Amp circuit breaker capable of maintaining at 60 Amperes for 8 seconds.

W655:
Select a 30 Amp circuit breaker capable of maintaining at 70 Amperes for 7 seconds.

Three-phase connection:

(31) Connect the earth and the three phases as shown in example ”3AC” in the figure.

When the installation is completed, check:

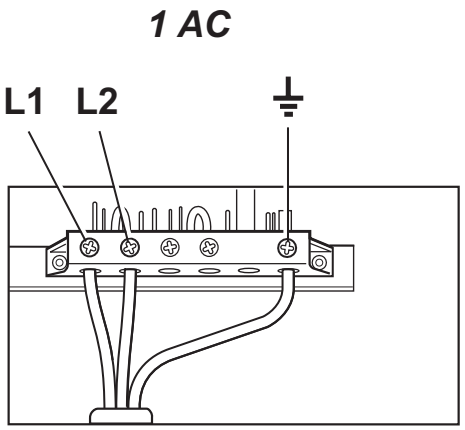
- that the drum is empty.
- that the machine operates by turning on the mains switch, starting the machine and using RAPID ADVANCE to reach the spin cycle (see operations manual).

IMPORTANT

When making power supply connections to machines rated 208-240V AC, do not connect any phase measuring in excess of 125 V AC (with respect to earth ground) to the L1 or L2 terminals on the connection block. So-called "stinger legs" must be connected to the "L3" terminal, which does not feed power to the control circuits of the machine.

On three-phase models (except SU675), check that the drum rotates in the direction indicated on the machine while in extraction. If the direction is incorrect, reverse two of the power line phases to correct the rotation direction, while observing the note above.

(30)



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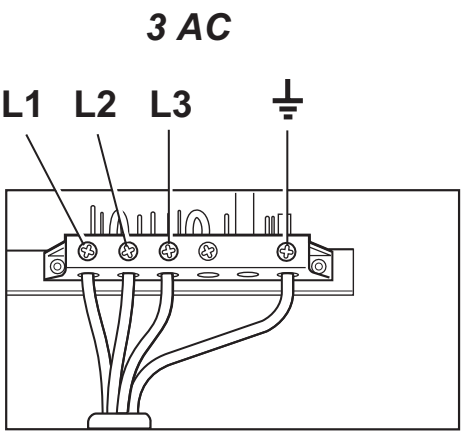
(31)



5898

EX618

Heating alternative	Voltage alternative	Total kW	Fuse A
No heating or Steam heating	100-120 V 1 AC	1.1	15
	208-240 V 1 AC	1.1	15
El heating	220-230 V 3 AC	7	20

EX625

Heating alternative	Voltage alternative	Total kW	Fuse A
No heating or Steam heating	208-240 V 1 AC	1.3	15
El heating	208-240 V 3 AC	9.2	30

EX630

Heating alternative	Voltage alternative	Total kW	Fuse A
No heating or Steam heating	208-240 V 1 AC	1.6	15
El heating	208-240 V 1 AC	12.5	60
	208-240 V 3 AC	11.8	35
	440/480 V 3 AC	13.5	20

EX640

Heating alternative	Voltage alternative	Total kW	Fuse A
No heating or Steam heating	208-240 V 1 AC	2.3	15

EX655

Heating alternative	Voltage alternative	Total kW	Fuse A
No heating	208-240 V 1 AC	2.6	15
or Steam heating	480 V 1 AC	2.6	15
El heating	208-240 V 3 AC	18.3	60

EX670

Heating alternative	Voltage alternative	Total kW	Fuse A
No heating or Steam heating	208-240 V 1 AC	2.1	15

W/SU620

Heating alternative	Voltage alternative	Total kW	Circuit breaker A
No heating or Steam heating	208-240 V 1 AC	0.6	15

W/SU625

Heating alternative	Voltage alternative	Total kW	Circuit breaker A
No heating or Steam heating	208-241 1 AC	0.8	15
El heating	208-240	9.2	30

W/SU630

Heating alternative	Voltage alternative	Total kW	Circuit breaker A
No heating or Steam heating	208-240 V 1 AC	0.8	15
El heating	208-240 V 1 AC	9.2	50
	208-240 V 3 AC	9.3	30

W/SU640

Heating alternative	Voltage alternative	Total kW	Circuit breaker A
No heating or Steam heating	208-240 V 1 AC	0.9	15
El heating	208-240 V 1 AC	12.1	60

W/SU655

Heating alternative	Voltage alternative	Total kW	Circuit breaker A
No heating or Steam heating	208-240 V 1 AC	1.2	15

W/SU675

Heating alternative	Voltage alternative	Total kW	Circuit breaker A
No heating or Steam heating	208-240 V 1 AC	1.5	15

Function checks

Compass Control

Perform the following checks once the machine is installed:

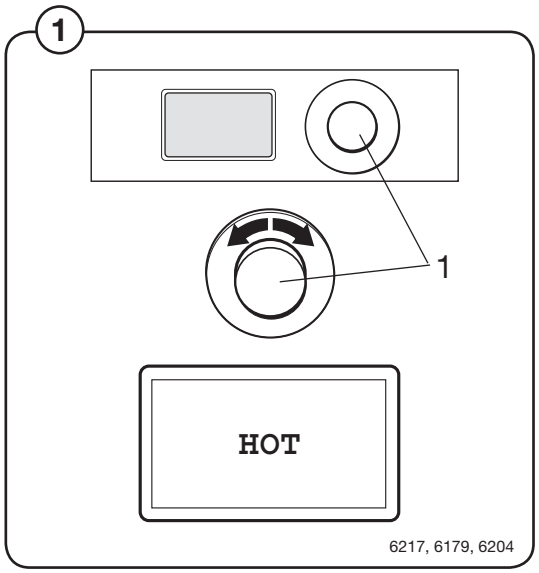
- Open the manual water valves.
- Turn on the power to the machine.
- Put detergent into compartment 2 (Main wash).

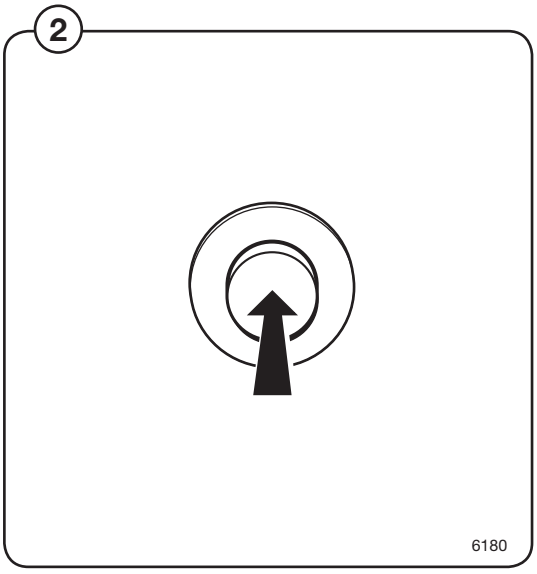
(1) • Select a "HOT" program with the control knob (1).

(2) • Press the knob.

Check:

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





Preventive maintenance

To keep your machine in proper working order, follow the preventive maintenance recommendations provided below.

The maintenance interval should be adjusted according to machine usage. The suggested schedule assumes an 8 hour work day, and a 5 day work week..

Daily

- Check the door and door lock:
  - Open the door and try starting the machine. The machine MUST NOT START.
  - Close the door, start the machine and try opening the door. It MUST NOT BE POSSIBLE TO OPEN THE DOOR WHILE THE MACHINE IS OPERATING!
  - Check that the door does not leak.
  - Clean the door seal, removing any detergent and fluff.
- Check that the drain valve does not leak during the wash cycle.
- Clean out any detergent remaining in the detergent compartment. Rapid advance through a program and let the water rinse the compartment.
- Inspect liquid chemical tubing and connections for leaks. Repair as necessary.

Every third month


May only be carried out by authorized personnel.

- Check that the door does not leak.
- Check the drain valve and remove any lint.
- Inspect the interior of the machine (during an actual wash cycle to ensure that no leaks are noticed) by:
  - Turning of the main power switch of the machine.
  - Remove the top cover and the protective front and rear plates.
  - Cover the detergent dispenser to prevent water from splashing inside the machine.
  - Start a wash program.
  - KEEP CLEAR OF MOVING PARTS WHILE MACHINE IS OPERATING!!

- Inspect all internal hoses, seals and gaskets for signs of leakage. Repair as necessary.
- Check that water inlet screens are clean of debris. Dirty screens result in longer fill times, which reduce productivity.
- Inspect the drive belt. Adjust the tension or replace if necessary.
- Check that there are no signs of leakage on the floor beneath the machine. Locate and repair any leak.
- On heated machines, if the heating time is unusually long, check the heating elements. If the water is very hard, check whether there are lime deposits on the heating elements. Decalcify the elements if necessary. Adapt the amount of deliming agent to the manufacturer's guidelines.
- Never switch on the heating elements when there is no water in the machine. This will cause the slow-blow fuse to trigger.
- Inspect the shock absorbers and coil springs.

HOSPITALITYWASH PROGRAMS
Compass Control
October, 2006

(For Hotels and Motels, Restaurants, Retirement Communities, Schools and Universities, Commercial and Institutional Laundries)

1 Light Soil	6 Delicates	11 Heavy Stains
2 Medium Soil	7 Rinse & Extract	12 General Wash
3 Heavy Soil	8 White Visa	13 Enzymes DB
4 Colors	9 Colored Visa	14 Enzymes D
5 Rags & Mops	10 Chef Coats	15 Test Program

Supply Signal Codes:

1 = Detergent
2 = Sour
3 = Softener
4 = Bleach
5 = Starch

Program 1

Light Soil

Operation	TIME	TEMP	LEVEL	SUPPLIES
SUDS/BLEACH	8	HOT	LOW	1 & 4
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
EXTRACT	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
SOUR/SOFT	4	SPLIT	LOW	2 & 3
DRAIN				
EXTRACT	5			
SHAKEOUT				

Program 2

Medium Soil

Operation	TIME	TEMP	LEVEL	SUPPLIES
SUDS	7	HOT	LOW	1
DRAIN				
BLEACH	7	HOT	LOW	4
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
EXTRACT	1.5			
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
SOUR/SOFT	4	SPLIT	LOW	2 & 3
DRAIN				
EXTRACT	5			
SHAKEOUT				

Program 3

Heavy Soil

Operation	TIME	TEMP	LEVEL	SUPPLIES
SUDS	12	HOT	LOW	1
DRAIN				
FLUSH	2	HOT	HIGH	NONE
DRAIN				
BLEACH	12	HOT	LOW	4
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
EXTRACT	1.5			
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
SOUR/SOFT	4	SPLIT	LOW	2 & 3
DRAIN				
EXTRACT	4			
SHAKEOUT				

Program 4

Colors

Operation	TIME	TEMP	LEVEL	SUPPLIES
SUDS	12	COLD	LOW	1
DRAIN				
RINSE	2	COLD	HIGH	NONE
DRAIN				
RINSE	2	COLD	HIGH	NONE
DRAIN				
EXTRACT	1.5			
RINSE	2	COLD	HIGH	NONE
DRAIN				
SOUR/SOFT	4	COLD	LOW	2 & 3
DRAIN				
EXTRACT	4			
SHAKEOUT				

Program 5

Rags and Mops

Operation	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN				
SUDS	8	HOT	LOW	1
DRAIN				
RINSE	2	HOT	HIGH	NONE
DRAIN				
BLEACH	7	HOT	LOW	4
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
EXTRACT	0.5			
RINSE	2	COLD	HIGH	NONE
DRAIN				
SOUR/SOFT	4	COLD	LOW	2 & 3
DRAIN				
EXTRACT	5			
SHAKEOUT				

Program 6

Delicates

Operation	TIME	TEMP	LEVEL	SUPPLIES
SUDS	5	COLD	LOW	1
DRAIN				
RINSE	2	COLD	HIGH	NONE
DRAIN				
RINSE	2	COLD	HIGH	NONE
DRAIN				
EXTRACT	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN				
EXTRACT	5			
SHAKEOUT				

Program 7

Rinse and Extract

Operation	TIME	TEMP	LEVEL	SUPPLIES
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
EXTRACT	5			
SHAKEOUT				

Program 8

White Visa

Operation	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN				
SUDS	9	HOT	LOW	1
DRAIN				
BLEACH	7	HOT	LOW	4
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
SOUR	4	SPLIT	LOW	2
DRAIN				
EXTRACT	2			
SHAKEOUT				

Program 9

Colored Visa

Operation	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN				
SUDS	9	HOT	LOW	1
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
RINSE	2	COLD	HIGH	NONE
DRAIN				
SOUR	3	COLD	LOW	2
DRAIN				
EXTRACT	2			
SHAKEOUT				

Program 10

Chef Coats

Operation	TIME	TEMP	LEVEL	SUPPLIES
SUDS	5	HOT	LOW	1
DRAIN				
SUDS	8	HOT	LOW	1
DRAIN				
RINSE	2	HOT	HIGH	NONE
DRAIN				
BLEACH	7	HOT	LOW	4
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
EXTRACT	0.5			
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
SOUR/SOFT	4	SPLIT	LOW	2 & 3
DRAIN				
EXTRACT	4			
SHAKEOUT				

Program 11

Heavy Stains

Operation	TIME	TEMP	LEVEL	SUPPLIES
SUDS/BLEACH	30	HOT	LOW	1 & 4
DRAIN				
RINSE	2	HOT	HIGH	NONE
DRAIN				
BLEACH	7	HOT	LOW	4
DRAIN				
RINSE	2	HOT	HIGH	NONE
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
EXTRACT	0.5			
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
EXTRACT	5			
SHAKEOUT				

Program 12

General Wash

Operation	TIME	TEMP	LEVEL	SUPPLIES
SUDS/BLEACH	9	HOT	LOW	1 & 4
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
RINSE	2	SPLIT	HIGH	NONE
DRAIN				
SOUR/SOFT	4	SPLIT	LOW	2 & 3
DRAIN				
EXTRACT	5			
SHAKEOUT				

Program 13 Enzymes DB

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	12	HOT	LOW	SUPPLY 1
DRAIN	1			
BLEACH	8	HOT	LOW	SUPPLY4
DRAIN	1			
RINSE	3	SPLIT	HIGH	NONE
DRAIN	1			
INTERMEDIATE EXTRACT	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

Program 14 Enzymes D

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	15	HOT	Low	Supply1
DRAIN	1			
RINSE	3	SPLIT	HIGH	
DRAIN	1			
Intermediate X tract	1			
RINSE	3	SPLIT		
DRAIN	1			
EXTRACT	5			
SHAKE OUT				

Program 15

Test Program

On all Selecta-28 machines, Program 7AB is a test program. The test program should be run whenever you start-up a machine and after performing service and troubleshooting to be sure it is operating properly. This is the test program, step-by-step:

1. Fill to low level with cold water, no drum rotation.

2. When low level is reached, rotate 90 seconds with normal action (12 seconds rotation, 3 seconds pause, then reverse direction and repeat). After 90 seconds normal action, stop rotation. No drain.

3. Continue to fill to high level with hot water with no drum rotation.

4. When high level is reached, rotate for 90 seconds with gentle action (3 seconds rotation, 12 seconds pause, then reverse direction and repeat). After 90 seconds gentle action, stop rotation.

5. Drain with gentle action.

6. Fill to high level with cold and hot water with normal action. When high level is reached, proceed to step 7 with normal action.

7. Supply signals 1, 2, 3, 4, and 5, on simultaneously for 60 seconds. Check for 220V between terminals 1, 2, 3, 4, 5, and C.

8. Drain with normal action.

9. Extract 2 minutes. On two-speed models, first go to distribution speed, and then extract 2 minutes at both low and high speeds.

10. Fill to low level with cold water with normal action. When low level is reached, rotate 30 seconds with normal action.

11. Drain. End of test program.

DG/ld
5/3/2004

HEALTHCARE PROGRAMS
Compass Control
October, 2006

(For Nursing Homes, Hospitals, and Medical Centers)

1 Light Soil	6 Diapers	11 Color Blends
2 Medium Soil	7 Split Temps	12 Extra Heavy Soil
3 Heavy Soil	8 Rags & Mops	13 Enzymes D
4 Colors Light Soil	9 Heavy Stains	14 Enzymes DB
5 White Towels	10 Blends	15 Test Program

Supply Signal Codes:

1 = Detergent
2 = Sour
3 = Softener
4 = Bleach
5 = Starch

PROGRAM 1

Light Soil

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS/BLEACH	6	HOT	LOW	SUPPLY 1 & 4
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 2

Medium Soil

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	7	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 3

Heavy Soil

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	7	HOT	LOW	SUPPLY 1
(NO DRAIN)				
CHEATER RINSE	1	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	½			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 4

Colors - Light Soil

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	3	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	7	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 5

WhiteTowels

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	3	SPLIT	HIGH	NONE
DRAIN	1			
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	7	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	2			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 6

Diapers

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	3	SPLIT	HIGH	NONE
DRAIN	1			
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	7	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	2			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 7

Split Temps

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	5	SPLIT	HIGH	SUPPLY 1
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	1			
SOUR/SOFT	4	SPLIT	LOW	SUPPLY 2 & 3
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

(This wash formula uses gentle action only - 3 seconds rotation and 12 seconds pause, before reversing direction and repeating.)

PROGRAM 8

Mops & Rags

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	7	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 9

Heavy Stains

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS/BLEACH	30	HOT	LOW	SUPPLY 1 & 4
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 10

Blends

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	9	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	HOT	HIGH	NONE
DRAIN	1			
BLEACH	7	HOT	LOW	SUPPLY 4
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	1			
SOUR	4	SPLIT	LOW	SUPPLY 2
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 11

Color Blends

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
FLUSH	2	SPLIT	HIGH	NONE
DRAIN	1			
SUDS	9	HOT	LOW	SUPPLY 1
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	1			
SOUR	4	SPLIT	LOW	SUPPLY 2
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 12

Extra Heavy Soil

OPERATION	TEMP	TIME	LEVEL	SUPPLIES
SUDS (NO DRAIN)	HOT	3	LOW	SUPPLY 1
CHEATER RINSE	HOT	2	HIGH	NONE
DRAIN		1		
RINSE	HOT	2	HIGH	NONE
DRAIN		1		
RINSE	HOT	2	HIGH	NONE
DRAIN		1		
SUDS	HOT	7	LOW	SUPPLY 1
DRAIN		1		
RINSE	HOT	2	HIGH	NONE
DRAIN		1		
BLEACH	HOT	7	LOW	SUPPLY 4
DRAIN		1		
RINSE	SPLIT	2	HIGH	NONE
DRAIN		1		
RINSE	SPLIT	2	HIGH	NONE
DRAIN		1		
SOUR	SPLIT	4	LOW	SUPPLY 2
DRAIN		1		
EXTRACT		5		
SHAKEOUT				

PROGRAM 13

Enzymes D

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	15	HOT	Low	Supply1
DRAIN	1			
RINSE	3	SPLIT	HIGH	
DRAIN	1			
Intermediate X tract	1			
RINSE	3	SPLIT		
DRAIN	1			
EXTRACT	5			
SHAKE OUT				

PROGRAM 14 Enzymes DB

OPERATION	TIME	TEMP	LEVEL	SUPPLIES
SUDS	12	HOT	LOW	SUPPLY 1
DRAIN	1			
BLEACH	8	HOT	LOW	SUPPLY4
DRAIN	1			
RINSE	3	SPLIT	HIGH	NONE
DRAIN	1			
INTERMEDIATE EXTRACT	1			
RINSE	2	SPLIT	HIGH	NONE
DRAIN	1			
EXTRACT	5			
SHAKEOUT				

PROGRAM 15

Test Program

On all Selecta-28 machines, Program 7AB is a test program. The test program should be run whenever you start-up a machine and after performing service and troubleshooting to be sure it is operating properly. This is the test program, step-by-step:

1. Fill to low level with cold water, no drum rotation.

2. When low level is reached, rotate 90 seconds with normal action (12 seconds rotation, 3 seconds pause, then reverse direction and repeat). After 90 seconds normal action, stop rotation. No drain.

3. Continue to fill to high level with hot water with no drum rotation.

4. When high level is reached, rotate for 90 seconds with gentle action (3 seconds rotation, 12 seconds pause, then reverse direction and repeat). After 90 seconds gentle action, stop rotation.

5. Drain with gentle action.

6. Fill to high level with cold and hot water with normal action. When high level is reached, proceed to step 7 with normal action.

7. Supply signals 1, 2, 3, 4, and 5, on simultaneously for 60 seconds. Check for 220V between terminals 1, 2, 3, 4, 5, and C.

8. Drain with normal action.

9. Extract 2 minutes. On two-speed models, first go to distribution speed, and then extract 2 minutes at both low and high speeds.

10. Fill to low level with cold water with normal action. When low level is reached, rotate 30 seconds with normal action.

11. Drain. End of test program.

NM/jgc
(H:opl103) - 10/12/01
(GB/lp)