

# CMIS 5

## Certus Management Information System™



### Features and benefits

- CMIS is a software which provides laundry professionals with vital information about their washer extractors, tumble dryers and ironers. All in order to minimize costs and maximize uptime of the equipment
- CMIS provides the following process information:
  - statistics (running hours, idle time, consumption figures\*, machine usage, total consumption etc.)
  - process validation (print of receipt)
  - maintenance intervals (actions are logged)
  - error alerts (recommend actions)
- Up to 30 machines can be installed in a network connected to a PC
- All the data provided by CMIS is easily transferable to other computer programs such as Microsoft Excel
- CMIS is easy to install and use. Most average-sized laundries can be fully equipped in less than one day
- For latest software version please check [www.electrolux.com/professional](http://www.electrolux.com/professional)

### PC requirements

- A computer according to specification on page 3 should be provided by the customer at site of installation
- The computer must be in operation the same time as the laundry to collect data from the laundry process

Certified in accordance with ISO 9001 and ISO 14001 and approved IP 24D.

\* Consumption is measured in time and calculated to litres, ml or kWh by using a factory made constant table. This table is possible to calibrate locally for best precision.

## Available accessories

Description	Quantity	Product No	Description/content
PC-software, kit English	1 per site	988916189	Software (CD), CMIS Interface PC, transformer 24V DC, serial wire, manuals
PC-software, kit Swedish	1 per site	988916192	Software (CD), CMIS interface PC, transformer 24V DC, serial wire, manuals
PC-software, kit German	1 per site	988916193	Software (CD), CMIS interface PC, transformer 24V DC, serial wire, manuals
PC-software, kit French	1 per site	988916194	Software (CD), CMIS interface PC, transformer 24V DC, serial wire, manuals
PC-software, kit Japanese	1 per site	988916250	Software (CD), CMIS interface PC, transformer 24V DC, serial wire, manuals
PC-software, kit Spanish	1 per site	988916254	Software (CD), CMIS interface PC, transformer 24V DC, serial wire, manuals
Software upgrade kit	1 per site	988802254	Software (CD), operating manual
Machine interface, kit No. 1	1 per machine	988916190	Machine interface, wires, installation manual. For all washers with Clarus Control except W3400H/W4400H to W31100H/W41100H.
Machine interface, kit No. 2	1 per machine	988916191	Machine interface, wires, installation manual. For washers W3400H and W4400H/W4600H (- 980/1571), W3850H/W31100H and W4850H/W41100H (- 1220/730), with CPU in Front electric cabinet.
Machine interface, kit No. 3	1 per machine	988916198	Com-module, installation manual. For dryers with Selecta Control version 1.
Machine interface, kit No. 4	1 per machine	988916199	Machine interface, wires, connectors, installation manual. For ironers with electronic control panel.
Machine interface, kit No. 5	1 per machine	988916251	Wires, connectors, installation manual. For dryers T4130 and T4190.
Machine interface, kit No. 6	1 per machine	988916252	Wires, connectors, installation manual. For dryer T4300S.
Machine interface, kit No. 7	1 per machine	988916253	Wires, connectors, installation manual. For all dryers with Selecta Control version 2/Compass Control, except T4130, T4190, T4300.
Machine interface, kit No. 8	1 per machine	988919402	Machine interface, wires, installation manual. For washers and dryers with Compass Pro.
Machine interface, kit No. 9	1 per machine	988916249	Machine interface, wires, installation manual. For washers W4400H, W4600H (980/1572 - ) and W4850H, W41100H (1220/731 -), with CPU in rear electric cabinet.
Machine interface, kit No. 10	1 per machine	988916257	Machine interface, wires, installation manual. For barrier washers with Clarus TS. (WP/WPB4700H-WP/WPB41100H)
Network wire	acc. to site	988916195	Reel with 100 m, 4 x 0,22 mm <sup>2</sup> or 4 x AWG24 cable

## System requirements

PC
<p>Microsoft Windows XP (x86), Windows Vista (x86/x64), Windows 7/8/10 (x86/x64).            Microsoft Internet Explorer 6.0 or higher            Free Harddisk space (original database settings CMIS):            10 machines - No less than 250 MB            20 machines - No less than 500 MB            30 machines - No less than 750 MB            Recommended Free Harddisk space is 10 GB            Monitor with minimum 1280 X 1024 resolution recommended.            CD-ROM drive            1 Free serial port (9-pole DSUB, DB9M)            Mouse or compatible pointing device.</p>
Printer
<p>For best performance when printing statistics and receipt, a colour printer is recommended.</p>
Network
<p>Maximum 30 machines connected to a single network            Maximum length of wire in a network is 500 meters            Recommended wire:            Type: Control, Instrumentation or Computer cable, Stranded wire, Tinned Copper, 4 x 0.22mm<sup>2</sup> (= 4 x AWG24), Diam 4-5 mm, PVC insulation, 300V, 70°C or better            Approvals: According to local prescriptions</p>

## Washers with Clarus Control

Hardware
<p>If the machine is not equipped with the CMIS option from factory, use Machine interface, kit No 1 for all machines except FLE400FC, FLE850MP, W3400H - W31100H, and W4400H - W41100H.            For W3400H to W4600H (- 980/1571) and W3850H to W41100H (- 1220/730) use Machine interface, kit No. 2.            For W4400H, W4600H (980/1572 -) and W4850H, W41100H (1220/731 -) use Machine interface, kit No. 9.            CMIS is connected to a serial port (X7) on Clarus Control CPU board. It is important to verify that serial port is free to use. In some specific installations this serial port might have been used for larger Liquid supply systems. Verify this with the supplier of liquid supply before an installation is made. Alternative solutions are available.</p>
Software
<p>CMIS protocol is implemented in Clarus Control software as listed below:            FLE125, FLE175, FLE225, FLE400FC, FLE850MP, FLE335MP, EXSM230, EXSM350, W3400H, HS 2120, HS 2170, HS 2220, NS 2325, HS 240            Version 3.4 and later            W375N to W3330N, W385M to W3330M, W365H to W3300H, W3600H, W3850H, W31100H            W3280X, W3350X, W3600X, EXSM665c, EXSM680c, EXSM6135c            Version 1.0 and later            W475M to W4330M, W475S to W4330S, W465H to W4300H, W4400H to W41100H            All versions            WS/WSB3230H to WS/WSB3670H, WS/WSB4250H to WS/WSB4650H, WPB3690H to WPB31080H            Version 1.8 and later            Version number could normally be verified in top line of Clarus Control display after SW part number.            Machines with earlier versions of software than above listed need to be updated to support CMIS.</p>

## Washers with Compass Pro

Hardware
<p>CMIS requires a machine interface kit to be installed in the machine.            Use Machine interface, kit No 8 for all machines            CMIS is connected to the serial port (RS232) on Compass Pro CPU board.</p>
Software
<p>CMIS protocol is implemented in Compass Pro software versions as listed below:            W555H, W575N to W5330N, W585S to W5330S, W565H to W5300H, W5280X, W5350X, W5600X, W720 to W777, SU720 to SU777, EX745 to EX775, EXSM765, EXSM780, EXSM7135            Version 6.36 and later            WB5130H, WB5180H            Version 6.36 and later            WD5130, WD5240 WDX730, WDX755            Version 6.36 and later            WSB5180H, WSB5250H, WSB5350H, WS5180H, WS5250H, WS5350H            Version 6.36 and later            Version number can be verified by reading FW version number in Service mode under Config 1 -System - System information - CPU, on the machine.            Machines with earlier software versions than above listed need to be updated in order to fully support CMIS</p>

## Dryers with Selecta Control version 1 or 2

Hardware
<p>CMIS requires a machine interface kit to be installed in the machine.</p> <p>Use Machine Interface, kit No. 3 (Selecta Control version 1) for following models:            T3190, T3250, T3290 up to machine No. -20300/26304 and -03290/539            T3300, T3350, T3530 up to machine No. -20500/21748            T3650 up to machine No. -20750/9162            T4250 up to machine No. -23250/6969            T4350 up to machine No. -23250/6969</p> <p>Interface machine, kit No. 5 (Selecta Control version 2/Compass Control)            T4130, T4190</p> <p>Use Machine Interface, kit No. 6 (Selecta Control version 2/Compass Control) for following model:            T4300S</p> <p>Use Machine Interface, kit No. 7 (Selecta Control version 2/Compass Control) for following models:            T3290 from machine No. 20300/26305- and 03290/540-            T3530 from machine No. 20500/21749- and 60500/xxxx            T3650 from machine No. 20750/9163- and 60750/xxxx            T3900, T31200            T4250 from machine No. 23250/6970- and 04250/xxxx-            T4290, T4350 from machine No. 23250/6970- and 04350/xxxx-            T4530, T4650, T4900/ T4900CR, T41200/ T41200CR</p>
Software
<p>Selecta Control version 1</p> <p>CMIS is implemented in Selecta Control software version 3.23 or later.            Version number can be read at the label on the Process module or in the service menu parameter 3.07.            It is possible to upgrade an older version of Selecta control to a version that supports CMIS by installing 988916237 Upgrade kit Selecta 110.</p> <p>Selecta Control version 2</p> <p>CMIS is implemented in Selecta Control software version 4.10 or later.            Version number can be read in service menu parameter number 3.07.            It is possible to upgrade an older version of Selecta Control by installing an upgrade kit for the actual dryer type. Please refer to spare part list for more information</p>

## Dryers with Compass Pro

Hardware
<p>CMIS requires a machine interface kit to be installed in the machine.</p> <p>Use Machine interface, kit No 8 for all machines</p> <p><b>Note!</b>  <b>T5300S/TD30X30P and T5425S/TD45X45P requires 2 sets of machine interface kit.</b></p> <p>CMIS is connected to the serial port (RS232) on Compass Pro CPU board</p>
Software
<p>CMIS protocol is implemented in Compass Pro software versions as listed below:            T5130, T5130C, T5130LE, T5190, T5190LE, T5290, T5500, T5675, T5250, T5350, T5300S, T5425S,            TD30X30P, TD45X45P, TD35, TD67, TD83            Version 6.36 and later</p> <p>Version number can be verified by reading FW version number in Service mode under Config 1 -System - System information - CPU, on the machine.</p> <p>Machines with earlier software versions than above listed need to be updated in order to fully support CMIS.</p>

## **Ironers with Electronic control panel**

### **Hardware**

CMIS requires a machine interface kit to be installed in the ironer.  
Use Machine interface, kit No 4 (Electronic Control panel) for following models:  
IC33316 to IC33320, IC43316 to IC43320, IC35019 to IC35032, IC45019 to IC45032.

### **Software**

Electronic Control panel:  
CMIS protocol is implemented in software version 5.5 and later.  
Version number can be read in display during power up.  
It is possible to upgrade an ironer from older software version by replacing CPU.  
Contact ELS for more information.  
It is possible to upgrade an ironer with software version older than version 3.0. Contact ELS for more information.

## **Barrier Washers with Clarus TS**

### **Hardware**

If the machine is not equipped with the CMIS option from factory, use Machine interface, kit No 10.  
CMIS is connected to the serial port CPI in Clarus TS electric cabinet.

### **Software**

CMIS protocol is implemented in Clarus TS software as listed below:  
WP/WPB4700H  
WP/WPB4900H  
WP/WPB41100H  
Version 2.50 and later.  
Software version number can be verified by reading part no and version number in top line of display of Clarus TS display.  
Machines with earlier versions of software than above listed must be updated in order to fully support CMIS.

