

BARRIER WASHER EXTRACTORS





BARRIER WASHER EXTRACTORS

BECAUSE HYGIENE MUST ALWAYS BE AN ABSOLUTE PRIORITY

Solutions to avoid cross contamination in hospitals, clean rooms, nursing homes or healthcare facilities do exist with barrier washers extractors. Since their first development by Danube International in 1984, they have been continually improved by our engineering dept.

New DANUBE range of barrier washers strictly complies with RABC standards offering safety, ergonomics and efficiency in the best possible working conditions. Specially designed to be located on either side a of partition wall thanks to their 180° opposite doors, they provide a highly valued solution to prevent contamination between soiled and clean linen.

3 different ranges are available according to capacities and features:

- 16 and 22 kg models are equipped with new EASY TOUCH 2 microprocessor with 4,3'' touchscreen and double display as option.
- DBW brand new range with capacities from 27 to 70 kg is controlled by new EASY TOUCH 2 with wider screen (7''), double display as standard and huge loading doors enable easy loading and unloading operations.
- The biggest model remains a 90 kg pullman washer, renewed with skinplate outer casing and also equipped with new EASY TOUCH 2.

HYGIENIC BARRIER WASHERS MED-ET2 RANGE			
CONTROL TYPE	HEATING	CAPACITY	
		16 kg	22 kg
Microprocessor EASY TOUCH 2	Electric, steam, dual-heating	MED-16 ET2	MED-22 ET2

HYGIENIC BARRIER WASHERS DBW RANGE					
CONTROL TYPE	HEATING	CAPACITY			
		27 kg	35 kg	50 kg	70 kg
Microprocessor EASY TOUCH 2	Electric, steam, dual heating	DBW-27-ET2	DBW-35 ET2	DBW-50 ET2	DBW-70 ET2

HYGIENIC BARRIER WASHERS PULLMAN		
CONTROL TYPE	HEATING	CAPACITY
		90 kg
Microprocessor EASY TOUCH 2	Electric, steam	AS-100 ET2 PULLMAN

MEDICAL RANGE: 16-22 KG



MED-16-22 KG

DBW RANGE: 27-35-50-70 KG



DBW-27-35-50 KG



DBW-70 KG

PULLMAN RANGE: 90 KG



AS-100 PULLMAN

MED MEDICAL WASHERS

G FACTOR 350 SOFT MOUNTED

- ✓ Pass through barrier washer extractors, soft mounted, G factor 350, extraction speed 1000 RPM.
- ✓ Easy installation, no need of anchoring.
- ✓ Horizontally suspended drum by two axles.
- ✓ Outer casing in grey skinplate, top panel in stainless steel.
- ✓ Vat and drum in AISI 304 stainless steel.
- ✓ ET2 touch screen 4,3", control on dirty side.
- ✓ Electric or steam heating. New dual heating model (electric+steam)
- ✓ 2 water inlets.
- ✓ 8 signals for dosing pumps, ready to be connected to dosing pumps.
- ✓ Central drain.
- ✓ Automatic positioning of drum.

DBW BARRIER WASHERS

G FACTOR 375 SOFT MOUNTED

- ✓ Pass through barrier washer extractors, soft mounted, G factor 375, extraction speed 920 RPM.
- ✓ Easy installation, no need of anchoring.
- ✓ Horizontally suspended drum by two axles.
- ✓ Outer casing in grey skinplate, top panel in stainless steel.
- ✓ Vat and drum in AISI 304 stainless steel.
- ✓ ET2 touch screen 7", double display.
- ✓ Electric or steam heating. Dual heating model (electric+steam) available.
- ✓ 3 water inlets.
- ✓ 8 signals for dosing pumps, ready to be connected to dosing pumps.
- ✓ Central drain.
- ✓ Automatic positioning of drum with electric brake.

PULLMAN BARRIER WASHERS

G FACTOR 325

- ✓ Pass through barrier washer extractors, soft mounted, G factor 325, extraction speed 750 RPM.
- ✓ Easy installation, no need of anchoring.
- ✓ Horizontally suspended drum by two axles, Pullman partition.
- ✓ Outer casing in grey skinplate, top panel in stainless steel.
- ✓ Vat and drum in AISI 304 stainless steel.
- ✓ ET2 touch screen 7", double display.
- ✓ Electric or steam heating. Dual heating option (electric+steam) available.
- ✓ 3 water inlets.
- ✓ Double drain.
- ✓ 8 signals for dosing pumps, ready to be connected to dosing pumps.
- ✓ Central drain.
- ✓ Automatic positioning of drum with electric brake.
- ✓ Needs compressed air for door opening (air pressure 4-7 bar, Ø 8 mm, air consumption 10 NI/min).

A PERFECT COMPLIANCE

WITH THE MOST DEMANDING STANDARDS



Easy Touch 2

- User friendly and fully programmable **EASY TOUCH 2**
- **USB Connection.** PC software free of charge for programming, traceability, data analyses....
- Remote communication ready, WiFi module and printer as option
- **Wet Cleaning, traceability as standard**
- Customization of programs according to each need
- **Screen on both sides of the machine:** touch operated on dirty side, only displaying on clean side (DBW and Pullman models, optional on MED)
- **8 dosing signals as standard + optional 6 extra dosing signals**
- **37 available languages**



Efficiency

- **Water savings:** Possibility of configuring three levels of savings
- **Intelligent consumption (standard):** automatic adjustment of water and detergent consumption
- **Optimal loading**
- **Water Recovery tanks ready**
- **Low water consumption**
- **High G-FACTOR:** Reduced residual moisture, reduced drying time
- **Automatic weighing system** on feet as option. (not available on Pullman model)



Ergonomics

- **Huge doors opening** making easier loading and unloading operations, biggest opening on the market (DBW35: drum 640x515 mm - Vat 700 x 650 mm)
- **User friendly drum opening by push button**
- **Height of loading** (door bottom): 800 mm (DBW models)
- Plinths for loading height at 850 mm (DBW and MED models)



Easy Maintenance

- **Electric part on the left side, mechanics on the right side, connections on the top:** Easy access to all components, easier to connect, all connections protected from water and detergents
- **Central drain as standard:** Easy installation
- **Technical menu:** Statistics, alarms, autotest, data recovery for technicians and maintenance
- **Many available options:** Side drain
Low steam pressure to enable installation of steam heated machines with very low pressure of steam on site



Outstanding Features

- **Double display** (DBW and Pullman models, optional on MED)
- **Automatic positioning of drum to make easier loading and unloading operations** (with motor brake standard DBW and PULLMAN models, optional on MED)
- **3 water inlets** (DBW and Pullman models, optional on MED)
- **Grey skinplate outer casing and top panel in stainless steel**, easy to clean
- **WET CLEANING:** equipped with all features to use Wet Cleaning programs (useful in nursing homes)
- Detergent box kit instead of standard dosing pumps ready
- Dual heating electric - steam models available
- **Many available options:** 2nd drain valve for water recovery
Titration valve
UPS kit to release drum brake in case of power failure
AISI 304 stainless steel outer casing



Connectivity

- **Remote technical Service :** machine monitoring, error warning, remote desk and data recovery for technicians and maintenance, software updates...
- **Management of laundry:** Danube IoT solution allows you to manage your laundry, get statistics, traceability, laundry monitoring...
- **Danube Online** communication kit, WiFi module as option



Easy Touch 2

Water Savings

3 possible levels of savings to reduce water, energy and detergents consumption based on the load.



Wet Cleaning, traceability as standard

Equipped with all features to use wet cleaning programs (useful in nursing homes)
Adjustable washing speeds and temperatures
Fully regulation of water levels
8 dosing signals as standard + 6 extra as option



Touch Screen 4,3 or 7"

Coloured touch screen:
4,3" screen (MED models)
7" screen (DBW & PULLMAN models)
Fully programmable: customization of programs according to each need.

37 languages

Available and easy to configure, thanks to DANUBE aim to be accessible to everyone.



USB connection

PC software free of charge for programming, traceability, data analyses...



Outstanding Features

Outer casing in skinplate

and top panel in stainless steel, easy to clean. As option, AISI 304 stainless steel outer casing

3 water inlets

DBW and Pullman models, optional on MED

Automatic positioning of drum with motor brake

to make easier loading and unloading operations



Other options

Detergent box kit (instead of pumps)
Dual heating electric - steam: energy savings
2nd drain valve for water recovery
Titration valve

Efficiency

Energy and water savings are a priority. Our new barrier washers with ET2 offer a top performance that has an important effect on energetic, water and chemicals savings.

Water savings

3 levels of water savings possible depending on the load and the level of soiling.

High G-Factor reduces residual moisture and drying time



Intelligent weighing system

Automatic adjustment of water and soap consumptions according to the load introduced and automatically measured by the washer (standard)



Optimal loading

Automatic adjustment of water and soap consumptions according to the load manually indicated in the washer (standard)

Automatic weighing system on feet

As option (MEDICAL and DBW ranges only)

Prepared to be connected to water recovery tanks

Danube barrier washers from 16 to 35 kg, with ET2 and double drain, can be connected to the new AQUABAC, which allows the water recovery, achieving important water and energy savings



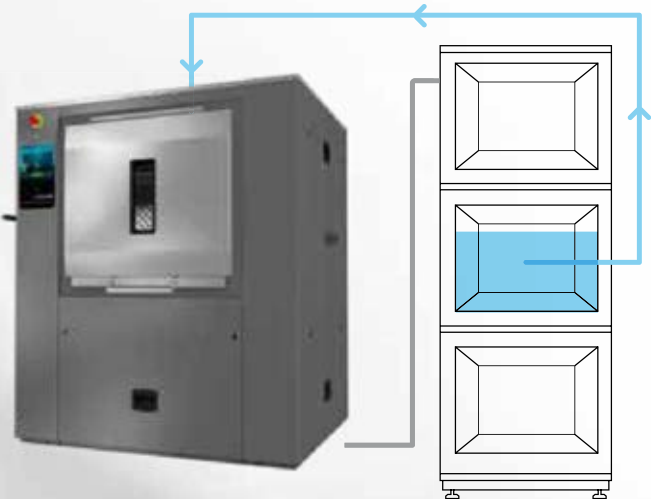
AQUABAC

WIDE RANGE

Models of 1, 2 or 3 tanks

Different volumes of 80 or 150 L

WATER SAVING



WATER SAVING TANK 2

Water from first and/or second rinse



As health and safety at work have become an important issue, our equipment is designed to be as comfortable as possible for users.

Huge door opening

making the loading and unloading operations easier, biggest opening in the market.

Huge doors
DBW 27 542 x 650 mm
DBW 35/50 700 x 650 mm
DBW 70 1402 x 650 mm
AS-100 960x700 mm



Ergonomic height of loading

(DBW: 800 mm, AS-100: 960 mm door base)

Plinth for loading height at 850 mm door base

(DBW and MED models)

User friendly drum opening by push button

One thing that is a must nowadays is to stay **CONNECTED**.
 The new IoT solution: a cloud based platform which allows many possibilities.

Remote technical service

Machine monitoring, machine error warning, management for traceability and statistics.
 Remote desk and data recovery for technicians and maintenance, software update, etc.

Management of laundries

Our DANUBE IoT solution allows you to monitor and manage your laundry.

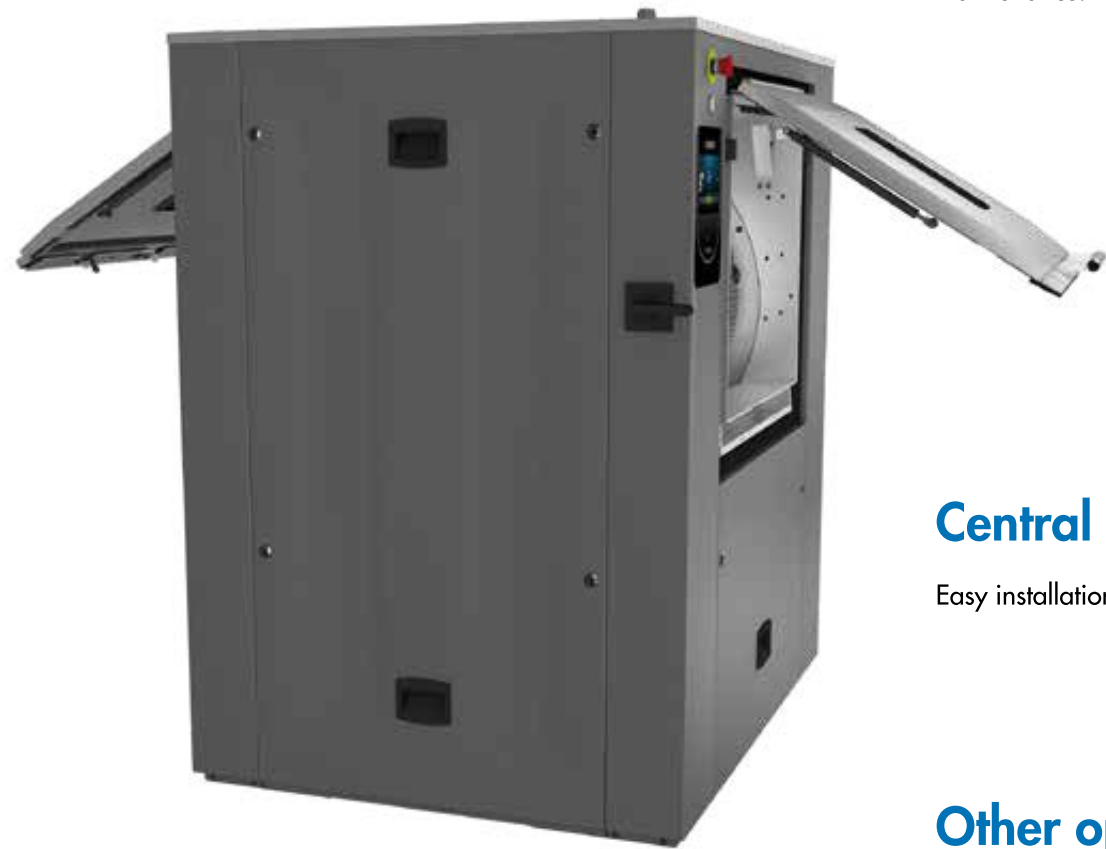
Bidirectional communication with the machine to offer a quicker and closer service, to update software or to solve technical issues.

Easy Maintenance

One of DANUBE concerns is to make life easier for our clients. That includes offering quality equipment and parts of reputed brands, which demand little maintenance.

Easy access to components

Electric components on the left side, mechanic components on the right side, connections on the top. Easy access to all the components.
Easier to connect, all connections protected from water and detergents.



Technical menu

Statistics, alarms, autotest, data recovery for technicians and maintenance.

Central drain

Easy installation.

Other options

Side drain.
Low steam pressure: to enable installation of steam heated washer with very low steam pressure on site.

TECHNICAL DATA

	UNIT.	MED-16	MED-22	DBW-27	DBW-35	DBW-50	DBW-70	AS-100
DRUM								
Capacity 1:9	kg	18	25	30	39	54	78	100
Capacity 1:10	kg	16	22	27	35	49	70	90
Volume	l	158	220	266	347	489	694	900
Diameter	mm	633	633	800	800	800	800	1050
Depth	mm	500	700	530	690	974	1380	1032
Number of compartments		1	1	1	1	1	2	2 (pullman)
GENERAL DETAILS								
Washing speed	r.p.m.	45	45	45	45	45	45	45
Spining speed	r.p.m.	1000	1000	920	920	920	920	750
G Force	-	350	350	375	375	375	375	325
ET2 Microprocessor	-	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Double drain	-	Option	Option	Option	Option	Option	Option	Standard
DOORS								
Drum doors dimensions	mm	400 x 315	400 x 315	480 x 515	640 x 515	640 x 515	640 x 515 (x2)	900 x 500
Vat doors dimensions	mm	455 x 415	455 x 415	542 x 650	700 x 650	700 x 650	1402 x 650 (x2)	960 x 700
Height base door	mm	670	670	800	800	800	800	960
POWER								
Motor	kW	2,2	2,2	4	4	5,5	7,5	15
Electric heating	kW	12	18	18	27	36	45	60
Max. power (electric heating)	kW	14,2	20,2	22	31	41,5	52,5	75
Max. power (steam model)	kW	2,2	2,2	4	4	5,5	7,5	15
CONNECTIONS								
Water inlets number	-	2	2	3	3	3	3	3
Water inlets	inch	3/4"	3/4"	3/4"	3/4"	1"	1"	1"
Steam inlet	inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Drain	mm	80	80	80	80	80	80	80 (x2)
Compressed air inlet	mm	N/A	N/A	N/A	N/A	N/A	N/A	8
MACHINE DIMENSIONS								
Length	mm	984	1184	1201	1359	1654	2061	1677
Width	mm	914	914	1098	1098	1098	1098	1344
Height	mm	1398	1398	1580	1580	1580	1580	1960
Net weight	kg	438	471	886	926	1063	1190	1900
PACKING DIMENSIONS								
Length	mm	1072	1262	1464	1608	1903	2310	1900
Width	mm	1102	1102	1300	1300	1300	1300	1500
Height	mm	1530	1530	1720	1720	1720	1720	2230
Gross weight	kg	459	494	906	946	1085	1220	1958
Volume	m³	1,81	2,13	3,27	3,60	4,26	5,17	6,36

*DANUBE reserves the right to modify the technical data without notice.

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