

# TECH **P**RO 410 610

Glasswashers - Dishwashers



Practicality and sturdiness



# IFB



# Ecology and economy



## ProTect environment protection

Our dishwashers feature extremely low noise levels, four times lower than previous models, and have been designed considering the need to reduce electromagnetic emissions, water consumption and carbon footprint.

The IFB plant is ISO 14001:2004 certified, thus confirming the company's attention to protecting the future of our planet

## ProDuct quality concept

IFB machines are designed and constructed in compliance with an ISO 9001:2008 certified quality system and incorporate the unique experience of a manufacturer who, during its many years of business, has sold more than one million industrial dishwashers.

All electric and electronic components are sourced in Europe and external suppliers are subject to stringent controls.



# Innovation and performance



## DuoFlo pump

A conventional pump has an inlet (from the tank) and an outlet towards the two spray arms: the flow of water must be distributed using a T or Y connector. Our research has revealed that this is where 25 - 30% of power is lost. IFB has eliminated the problem with a simple solution: the pump has one inlet but two outlets without any T divider. Loss is not only reduced but completely eliminated, with also a 50% reduction in noise. A 470W **DuoFlo** pump delivers the same performance as a conventional 650W pump: maximum efficiency and minimum energy consumption.



## ArchiMedes drainage system

During rinse, clean water is pumped into the tank to replace the dirty water. With a conventional gravity waste, the clean water floats on top of the heavier dirty water so that pumping in three litres, one goes directly to the drain.

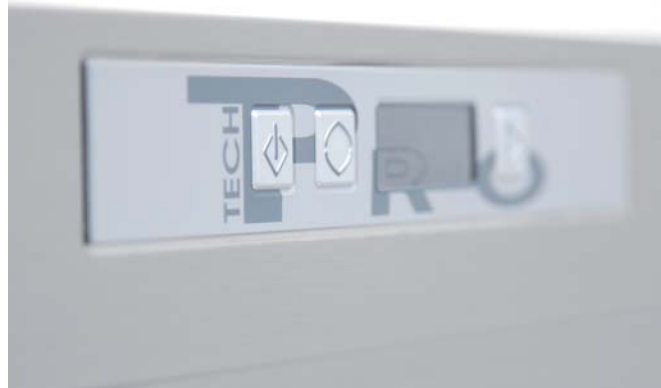
**ArchiMedes**, a IFB patent, exploits the principle of communicating vessels with, therefore, a 67% to 85% increase in the amount of water used to regenerate the detergent solution in the tank.



The water is also forced towards the bottom of the tank, also discharging part of the built-up particles of dirt. Wash water soils more slowly, water refresh is less frequent, detergent concentration can be reduced by around 10%. The drain pump is optional.

# Innovation and ergonomics

TECH **P**RO



## SmartClean construction

Save up to 40 minutes/day in end-of-cycle cleaning operations all points where food soil can accumulate have been eliminated. Wash tanks without internal hoses, deep drawn rack guides, deep drawn tanks on front load and hood versions, **ProStrain** light, shock-proof composite material integral plastic tank filters and many other details make our dishwashers the fastest to clean. The **ProSelf** cycle reduces the fatigue of end-of-shift cleaning operations.

## ProSmart interface

Permits finger-tip control of the main functions of the dishwasher. A generously-sized four-digit display facilitates selection of the programs held in the memory and also displays wash and rinse temperatures and system self-diagnostic messages, to facilitate servicing, and the number for racks washed. Correct functioning of the machine can be monitored according to the colour (green, orange or red) of the Check-Bar, while the Smart-Bar indicates current machine status (ready, heating, in use) and progress of the cycle according to changes in colour and size.

Functioning parameters and temperatures can be personalised and dispensers can be software regulated. Comprises three timed programs, the **ProLong** intensive wash program and the **ProSelf** self-clean program.

# ProTech 410



Glasswasher with 38,5x38,5 cm rack and useful height of 70 cm; the large door opening of 32,5 cms permits washing of up to 29.5 cm high glasses. Equipped with fixed upper washing and rotating upper rinsing.

IFB's special **ArchiMedes** rinse technology promotes a more than 25% increase in the efficiency of wash water refresh: the water remains cleaner for longer, also reducing detergent consumption. Running costs are also very low.

Features	410
Shock-proof composite material pump filter	•
Wash system with rotating lower arms	•
Wash system with fixed upper arm	•
ArchiMedes drain system	•
Drain pump	○
Electronic peristaltic rinse aid dispenser	•
Electronic peristaltic detergent dispenser	•
ProTect environment improvement system	•
ProSmart electronic interface	•
No. of standard wash programs	3
ProSelf self-clean cycle	•

• Standard ○ Optional



## Standard equipment

Model	Flat rack 40 x 40 cm	Round rack Ø 40 cm	Cutlery container	Fill hose	Drain hose
410	• 2	-	•	•	•

# ProTech 610



Partial double skin undercounter dishwasher with deep drawn rack guides (patent pending) with a height of 82 cm and door opening of 36.5 cm for washing of up to 32.5 cm high objects. Dual flow pump and full double skin door promote particularly silent operation. Standard equipment includes **ProStrain** integral shock-proof composite material tank filter and double filter on pump intake.

Features	610
Partial double skin construction	•
Moulded tank bottom	•
ProStrain shock-proof composite material tank filter	•
Deep drawn, easy-clean rack guides	•
Wash system with Duoflow pump	•
Composite material double filter on pump intake	•
ArchiMedes drain system	•
Drain pump	○
Electronic peristaltic rinse aid dispenser	•
Electronic peristaltic detergent dispenser	•
ProTect environment improvement system	•
ProSmart electronic interface	•
No. of standard wash programs	3
ProLong intensive cycle	•
ProSelf self-clean cycle	•

• Standard ○ Optional



## Standard equipment

Model	16-plate rack 50 x 50 cm	Flat rack 50 x 50 cm	Cutlery container	Fill hose	Drain hose
610	•	•	•	•	•

Non-binding technical data

## Technical data

		ProTech 410	ProTech 610
Dimensions (wxdxh)	cm	44 x 53 x 70	57,5 x 60 x 82
Rack dimensions	cm	38,5 x 38,5	50 x 50
Tank capacity	lt	11	20
Door/hood opening	cm	32,5	36,5
Max. height glasses	cm	29,5	32,5
Possibility of washing GN/EN trays		no	no
Duration of wash cycles	sec	90/120/150	72/110/150
Max. theoretical productivity	plates/h	-	900
Power supply	V/Hz/A	230/50/1N	400/50/3N
Multipower		no	yes
Max. power consumption	W	3.500	5.400
Water consumption/cycle	lt	1,9	2,7
Water inlet temperature	°C	50	15-50
Water inlet pressure	bar	2-4	2-4
Wash temperature	°C	60	60
Rinse temperature	°C	65	80



**Warning:** The consumption and performance data indicated refer to machines installed and operating in ideal conditions and may vary according to installation conditions.  
The technical data furnished in this catalogue are for guidance purposes only and may be modified in accordance with the continuous technological development of our products.

