

G 7883CD Laboratory Washing System

Miele
PROFESSIONAL



The Miele G 7883CD

The Miele G 7883CD is the Industry Standard "Plus" undercounter washer designed to handle the vast majority of cleaning applications, with the necessary prerequisite of complete drying. The G 7883CD combines the features of the G 7883 with HEPA-filtered forced-air drying and on-board liquid detergent dispensing.

Key Features

- The G 7883CD includes Novotronic Plus controls with 8 selectable wash programs and a fully programmable "custom" program slot, designed to handle a wide variety of cleaning challenges, selectable drying and program sequence, fault and container empty indicators.
- Main wash and DI rinse water temperatures are fully adjustable from ambient to 93°C for superior cleaning results and to ensure proper removal of both the contaminant and detergent residues. Dual temperature sensors in pump guarantee that all required wash and rinse temperatures have been met.
- A RS-232 port is provided for connection to a printer for monitoring/validating application parameters.
- The HEPA-filtered forced-air drying system with adjustable time and temperature settings ensures complete drying. Coarse and HEPA filters are included.
- The built-in water softener provides optimal detergent performance regardless of incoming water hardness. Maximizing time management, the regeneration occurs during the subsequent wash cycle.
- Separate drain and circulation pumps are standard, prolonging pump life.
- Flow meters on incoming water lines allow precise water fills, helping to increase overall water savings.

- The heavy duty, electric gentle start, circulation pump is rated at 400 litres per minute for fast, thorough cleaning. To prevent over heating and pump failure, it is equipped with a speed sensor, which monitors pump speed and stops in the event of an obstruction.
- The 304 and 316 stainless steel wash chamber provides superior corrosion resistance and helps extend overall machine life. The G 7883CD also includes a validation test port for monitoring of chamber conditions.
- A standard steam condenser eliminates the need for an external vent, preventing potentially harmful vapours from entering the laboratory.
- The G 7883CD includes 6,000 Watts of heating power for efficient heating of wash and rinse water, guaranteeing temperatures are achieved quickly, regardless of incoming water temperature.
- Miele's four-stage filter system keeps debris from reaching the pumps, helping prevent both redeposit of contaminant on glassware and pump damage due to debris in the sump area.
- Easily accessible from the wash chamber is the non-return valve, preventing contaminated water from backing up into the wash chamber.
- Automatic liquid detergent dispensing is standard. Detergent is dispensed directly from a 5L container, stored in a convenient pull out drawer, eliminating the need for frequent refilling.
- The G 7883CD automatically dispenses liquid acid neutralizer to restore proper pH levels to the glassware and chamber and remove any final detergent residues. Neutralizer is dispensed directly from a 5L container, stored in a convenient pull out drawer, eliminating the need for frequent refilling.
- G 7883CD accepts a variety of interchangeable standard and direct injection baskets. Baskets can be easily changed to allow maximum flexibility from load to load.
- Miele's Waterproof System is designed to protect the laboratory from potential flooding. Double-wall intake hoses divert any leaks to the drip tray, where a float sensor shuts off water lines and activates the drain pump.
- An audio-visual alarm system alerts operator to machine status and error conditions. In a crowded laboratory environment, the alarm can help save time by alerting the user immediately upon change in machine condition.
- Built-in top and bottom spray arms, plus a middle spray arm on the standard baskets, provide thorough spray coverage throughout the chamber, regardless of the quantity being cleaned or the number of basket levels being used.

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Programs	Standard	8 standard wash routines, holding times and temperatures are adjustable.
	Custom	One custom program slot
Temperatures	Wash	Adjustable to 93°C/200°F
	Final Rinse	Adjustable to 93°C/200°F
Cleaning Mechanisms	Rotary	Dual spray arms located at the top and bottom of the chamber
	Direct Injection	Single or dual level injection baskets available
Drying System		HEPA-filtered forced-air drying system with adjustable time and temperature settings. A second step can be added as a cool down.
Water Softener		Built-in water softener with adjustable water hardness control
Steam Condenser		Included. No external venting is required.
Detergent Dispensing	Detergent	Liquid dispenser and powder door cup are standard. Liquid detergent is dispensed directly from a 5L container.
Neutralizer Dispensing	Neutralizer	Liquid dispenser is standard. Neutralizer is dispensed directly from 5L container.
	Surfactant	Door reservoir liquid dispenser
Main Circulation Pump	Circulation	Rated at 400 litres per minute Equipped with speed sensor to protect against overheating
Cabinet and Chamber	Construction	Exterior: Brush finish type 304 stainless steel Interior: Type 304 SS sides, back and top, type 316 SS chamber floor and door
Plumbing Connections	Tap (3 connections)	<i>Hot Water for wash cycle (1) & Cold Water for wash cycle and steam condenser (2):</i> Three 1/2" ID pressure hoses, 5' (1.5 m) long for connection to 3/4" male hose thread. Recommended pressure: 25-60 PSI, 1.5-4 bar Max. incoming water temp.: 65°C
	DI (1 connection)	<i>Water for rinse cycle:</i> One 1/2" ID pressure hose, 5' (1.5 m) long for connection to 3/4" male hose thread. Recommended pressure: 25-60 PSI, 1.5-4 bar (Water pressure < 10 PSI requires an optional pump.)
Drain Connections	Connection	Two 7/8" ID flexible drain hose, 5' (1.5 m) long. Maximum drain height = 3' (1 m). Recommended connection to a separate standpipe.
	Flow Rate	10.5 litres per minute (chamber) and 4 litres per minute (steam condenser)
Electrical Connections (Units are CSA approved)	Three Phase OR (convertible to) Single Phase	208V, 60 Hz, 3 x 20 Amps 208V, 60 Hz, 2 x 30 Amps Equipped with 5' (1.5 m), 12/4 AWG unterminated power cord
Sound Level (dB)	Freestanding	54.0 washing / 52.0 drying at 1 m from washer
	Undercounter	52.0 washing / 48.0 drying at 1 m from washer
Dimensions	Interior (Chamber)	500 x 530 x 475 (upper section) / 515 (lower section) mm (H x W x D)
	Exterior	850 (820) x 900 x 700 mm (H x W x D)