

IBC Mother-Daughter Station



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The PURPLAN IBC mother-daughter station

is the ideal solution to supply your **production** with fluids **continuously**. It **enhances** your **production safety** and, due to its **compact design**, saves valuable space. In addition to PU components, the dispensing station is perfect for all fluids delivered in 1000-liter **IBC transport containers**. Thanks to the newly designed drip tray with a capacity of 1,460 liters, our IBC mother-daughter station is suitable for installation in Germany according to the Water Resources Act (WHG) but also meets the higher water protection requirements of other European member states. Additionally, the system is earthquake-resistant and can be installed in earthquake zone 1.

Our IBC mother-daughter station can also be customized for **ATEX requirements** and **temperature control**. If your fluids are delivered in **200-liter bung hole drums**, the dispensing station can be easily and quickly adapted to accommodate them.

With our years of experience and the vast number of diverse projects across various fields, we are confident that we have the right product for your application.

Experience the quality of our craftsmanship for yourself.



Technical Data – IBC Mother-Daughter Station

System dimensions without IBC (Length × Width × Height)	2,025 mm × 1,640 mm × 2,762 mm
System dimensions with IBC (Length × Width × Height)	2,025 mm × 1,640 mm × 3,850 mm
Empty weight without IBC	approx. 1,300 kg

Drip Tray

Volume	1,460 liters
Dimensions (Length × Width × Height)	2,025 mm × 1,510 mm × 650 mm (dimensions without step profile)
Fully welded steel drip tray, Material	Steel 1.0038
Alternative materials	Stainless steel 1.4301, other materials on request
Surface coating	Painted in RAL (color according to customer preference) or galvanized

KTC (Buffer Tank)

Volume	1,250 liters
Material	Stainless steel 1.4301 / 1.4404 / 1.4571
Min/max fill level	Refill interval continuous level measurement for visual display optionally transmittable to control system

Transfer Pump

Air-operated diaphragm pump*	*Data depends on density and viscosity
Flow rate	max. 170 l/min
Max operating pressure	8 bar
Max viscosity	4.000 mPas

Gear pump*	*Data depends on density and viscosity
Flow rate	50 l/min
Max operating pressure	10 bar
Max viscosity	3.500 mPas
Seal system	Magnetic coupling or mechanical seal

Screw spindle pump*	*Data depends on density and viscosity
Flow rate	50 l/min
Max operating pressure	10 bar
Max viscosity	3.500 mPas
Seal system	Magnetic coupling or mechanical seal

Equipment

• Leakage monitoring in the drip tray, hose, and coupling system • Pump protection filter, dry-run protection • Pump, pressure gauge after the pump • Optical and acoustic signaling • Control cabinet, platform (The system can be used as a modular system thanks to its design) • Unit with shut-off valves and internal piping, pre-assembled • Optional: Agitator for the KTC and/or the IBC* (system dimensions may vary) • Optional: Frequency converter for the pump and/or agitator

Control

Standalone or integrated with other systems, control panel at the station

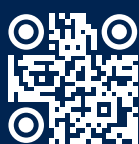


The IBC mother-daughter station is also available as a double station or as a side-by-side version if a low construction height is required.

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