HOSE DIAGRAM · BOX

Modular system with separate flushing pump

MAB WATERMAKER
ENGLISH · A3 · 04 OCT 2026

Raw water / feed · High pressure · Product / flushing water · Concentrate / discharge · Preservation / antifreeze

1 SEAWATER AND WATER PRODUCTION

Seawater intake
Strainer before the pump

Intake: not supplied

P7 · Seawater pump

P1

Check valve

P13

P10 · Prefilters

20 µm → 5 µm

P5

P22

High-pressure pump

P21

P20

PRESSURE VESSEL
with RO membrane
Brine seal at inlet end
← IN

Centre plug at inlet end

P23

Bypass return to inlet

P24 · Safety relief valve
Separate overpressure path

High pressure to panel

Product water

Feed pressure
Branch after prefilters to panel pressure gauge and sensor (3).

To P13

2 FLUSHING AND PRESERVATION

Fresh water from tank for flushing

P10

Preservative / antifreeze solution

P7

P1

P11 · Select source

Flushing and preservation pump

BOX CONTROL PANEL

Numbers around the frame identify the five hose connections.

P6

Concentrate to discharge

Water tank
Product water

P11

Sampling / draw-off tap

3 FIVE PANEL HOSE CONNECTIONS

1. High-pressure inlet from pressure vessel
2. Concentrate outlet to P6 and discharge
3. Feed pressure from P5
4. Product water inlet from pressure vessel
5. Product water outlet to three-way valve P11

P-numbers follow the original drawing. Dot = junction. Crossing lines without a dot are not connected.
Check valves: red ring marks the outlet. Bypass and safety relief valve: follow verified settings in the system datasheet.