

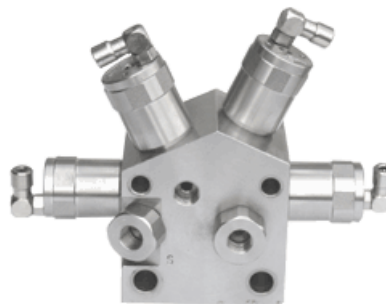
# Pump Rinsingblock 2000

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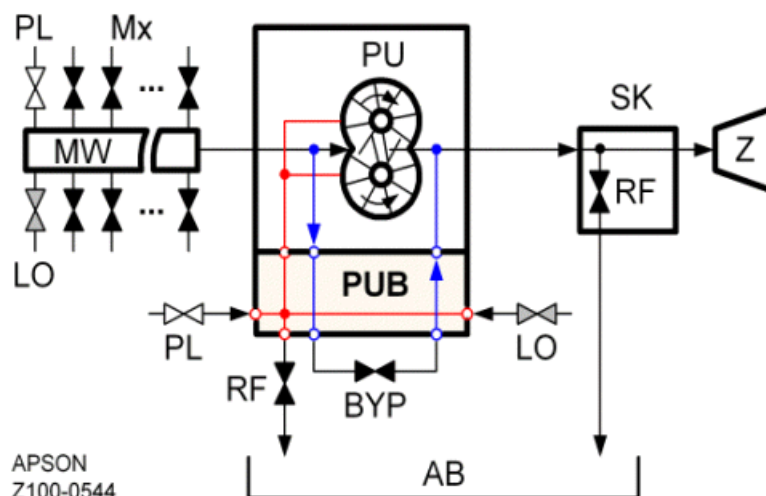
## 1. Introduction

Through the attachment of the APSON Pump Rinsingblock 2000 to the rinsable types of the Barmag® lacquer pumps for 6 or optionally 3 ccm/revolution, the lacquer pumps can additionally be rinsed. This enables a shorter rinsing cycle because the pump and the lacquer lines can be rinsed at the same time. Thus shorter rinsing times are achieved with better pump cleaning and more flexible rinsing concepts. The Pump Rinsingblock 2000 is particularly suitable to the application in automatic systems for the processing of lacquers, solvents, caustic solutions, a.o.



## 2. Structure and function

All valves are controlled pneumatically. The following pattern clarifies the functional connection



**Legende:**

PUB = Pump Rinsingblock 2000 MW = medium change-over switch Z = atomizer BYP = bypass valve PL = pulsation air valve RF = feedback valve PU = pump SK = sprayhead AB = receptacle Mx = medium valve x LO = solvent valve

The APSON Pump Rinsingblock 2000 consists of the following components:

- Inoxidable steel block as interface to the pump and for the accommodation of the valves and access links;
- Bypass valve. Hereby the lacquer lines can be separated and be rinsed independently of the pump during the rinsing cycle;
- A pulsation air valve and a solvent valve. These valves serve the pump for rinsing. During the rinsing cycle these two valves can be controlled alternatingly and rinse the pump with a mixture from air and solvent;
- Reconducting valve for deriving the pump rinsing mixture into the receptacle;
- Ever a checkvalve in the supply links of the pulsation air and the solvent. These prevent the penetration of solvent in the pulsation air supply or the penetration of compressed air into the solvent line during rinsing.

### 3. Feature

- very effective cleaning of the pump, because this is additionally rinsable
- cost-saving because of short rinsing times
- compact housing due to direct surface mounting on the pump
- simplest handling at assembling and maintenance
- faster and more easily exchange of the valves
- deathroom-free valves and visible switching status of the valves
- pro-active maintenance possible due to leakage display of the valves

### 4. Technical Data

**Table 1.**

Denomination	APSON Pump Rinsingblock 2000
Media	Lacquers, solvent, caustic solutions, a.o.
Medium pressure	max. 12 bar
Valve assembly	four APSON 2/2-Ways Valves 2000
Material	Inoxidable steel
Seal materials	Teflon™, Viton™-compound, or after customer's request
Valve control air pressure	min. 6 bar upto max. 8 bar, measured at the valves
Control air link	for hose, D = 4 mm, d = 2.7 mm, or after customer's request
Solvent link LM	for hose, D = 8 mm, d = 6 mm, or after customer's request
Pulsation air port PL	for hose, D = 8 mm, d = 6 mm, or after customer's request
Bypass port BY	for hose, D = 6 mm, d = 4 mm, or after customer's request

Medium output	for hose, D = 6 mm, d = 4 mm, or after customer's request
Feedback port RF	for hose, D = 8 mm, d = 6 mm, or after customer's request
Dimensions (in mm)	<ul style="list-style-type: none"> <li>• without valves: length 66, width 39, height 65</li> <li>• with valves: length 156, width 90, height 104</li> </ul>
Attachment	directly on the pump
Mass	approx. 1.5 kg

## 5. Ordering Data

**Table 2.**

Denomination	Part-Nr.
APSON Pump Rinsingblock 2000, completely (for the rinsable Barmag® pump with 6 ccm/revolution)	030-A001
APSON 2/2-Ways Valve 2000 (sparepart)	060-A008
APSON Checkvalve 2000 (sparepart)	100-A001

Options:

Adapter for attaching to the rinsable Barmag® pump for 3 ccm/revolution

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