

08/15/2022

**Humidification Division**

Pasquale Demitrio

Barry Kreider



## **New ultimateSAM compact distributor**

Pressurized or atmospheric  
pressure steam distributors

### **1. Main innovations**

The CAREL range of ultimateSAM pressurized or atmospheric pressure steam distributors (SAM stands for Short Absorption Manifold) has been upgraded based on feedback from the market, specifically the possibility to install ultimateSAM in smaller sized ducts.

The range has been revised and upgraded to better meet the needs of both end users and the sales network.

- Introduction of the new ultimateSAM “compact” line
- Compact and easy-to-install solution

The new versions are also available for both pressurized and atmospheric pressure steam installations.

The product selection software, HumidifyNow, is being updated to include the new part numbers and selection logic.

### 1.1. ultimateSAM “Compact”

The market for ultimateSAM distributor installations requires smaller steam distributors, and the absence of a CAREL solution opens the way for our competitors. The availability of new part numbers and sizes now offers new opportunities.

The new ultimateSAM Compact distributor does not require a steam inlet kit or condensate drain kit, as these are already included as standard on the product.



Below is the list of new part numbers and the product structure:

SAB\*\*M\*3U0

The dimensions of the distributor (WxH) vary between 12"x12" and a maximum of 28" x 12" (the width is indicated by the fourth digit and the height by the fifth).

The smaller ultimateSAM compact has 2 steam pipes and can be installed in 12"x12" ducts

Part number	WxH (mm)	# steam pipes	Maximum ultimateSAM flow-rate [lb/h]
SABSRM*3U0	12"x12"	2	33
SABSSM*3U0	12"x18"	2	66
SABTRM*3U0	16" x 12"	3	49.5
SABTSM*3U0	16" x 18"	3	99
SABURM*3U0	20" x 12"	4	66
SABVRM*3U0	24" x 12"	5	82.5
SABWRM*3U0	28" x 12"	6	99

**In the "compact" version the steam pipes are all 45 mm in diameter** and spaced 4" apart, insulated and supplied in the following two versions (seventh digit):

A = Insulated steam pipes with nozzles - 40 mm smooth inlet for atmospheric pressure system

B = Insulated steam pipes with nozzles - 1"NPT inlet for pressurized steam distribution systems (American market)

---

Please do not hesitate to contact us for any further information.

Best regards,

**Pasquale Demitrio**

Humidification Division

Head of Sales

---

Barry Kreider

Humidification Division

Applications Manager

---