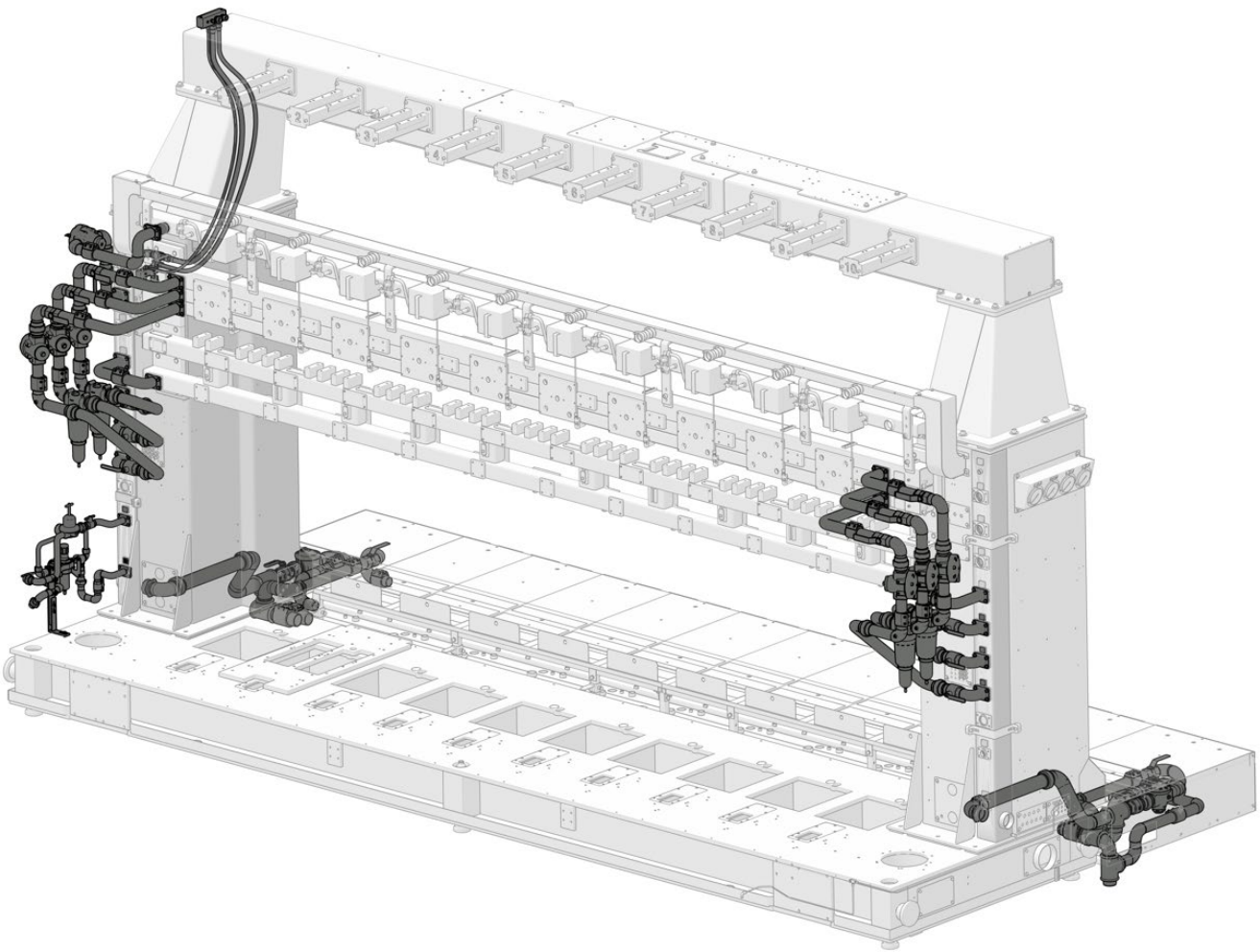


Technical News Bulletin

Steinhausen, January 2025



Modular Air Supply Piping

- Enhanced flexibility
- Modular concept
- Easier future upgrades

Introduction

The improved air supply piping for IS/AIS machines adopts a modular approach, offering a flexible solution to meet customer requirements while allowing for future modifications to the air supply line for each function.

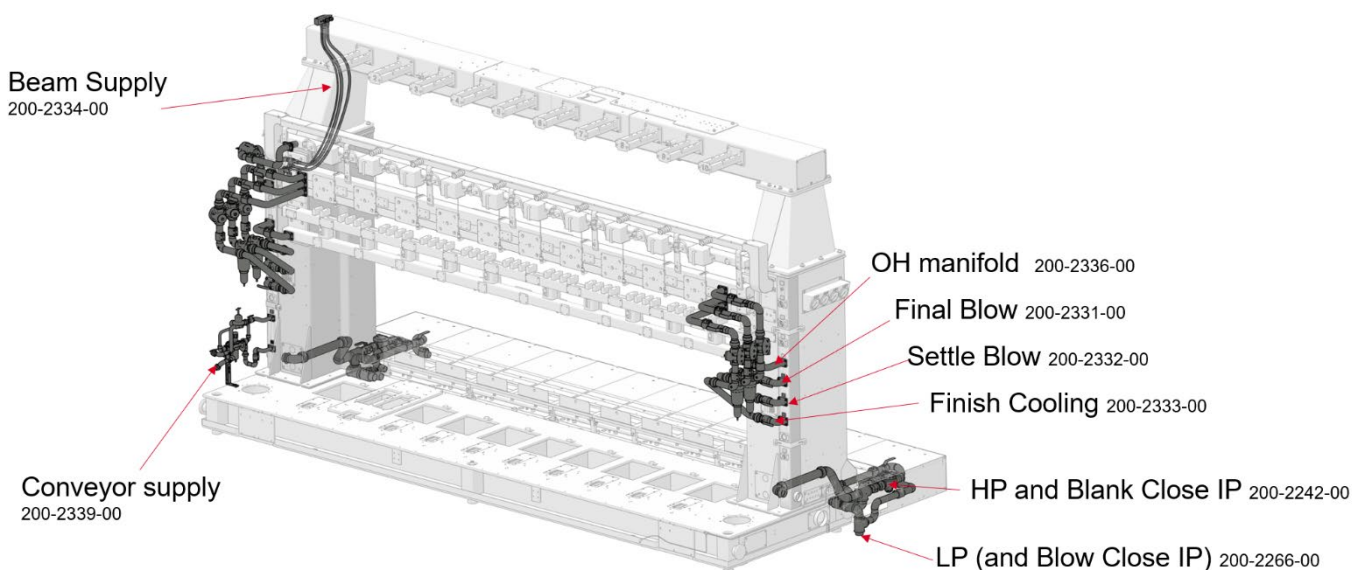
In recent years, numerous requests for customized air supply design for IS and AIS machines required significant engineering and manufacturing efforts.

With the introduction of the Modular Air Supply Piping, Bucher Emhart Glass presents a solution that can accommodate customer needs, by selecting specific “modules” for the air supply line.

Specification

The specification is made from a single configuration drawing (200-2330-1), including 11 sub-assemblies. The selection process is then guided by the following features:

- Function to be fed
- Regulator / Filter / Filter + Regulator
- Supply side (Left Hand (LH) / Right Hand (RH) / Both)



- Overhead (OH) functions (Final Blow, Settle Blow, Finish Cooling) supply

Function	Cold Side	Supply Side	Regulator	Filter	Part number
Final Blow	LH	LH	X	-	200-2331-1
		*LH+RH	X	-	200-2331-2
		LH	-	X	200-2331-3
		LH+RH	-	X	200-2331-4
		LH	X	X	200-2331-5
		*LH+RH	X	X	200-2331-6
	RH	RH	X	-	200-2331-7
		*RH+LH	X	-	200-2331-8
		RH	-	X	200-2331-9
		RH+LH	-	X	200-2331-4
		RH	X	X	200-2331-10
		*RH+LH	X	X	200-2331-11
Settle Blow	LH	LH	X	-	200-2332-1
		*LH+RH	X	-	200-2332-2
		LH	-	X	200-2332-3
		LH+RH	-	X	200-2332-4
		LH	X	X	200-2332-5
		*LH+RH	X	X	200-2332-6
	RH	RH	X	-	200-2332-7
		*RH+LH	X	-	200-2332-8
		RH	-	X	200-2332-9
		RH+LH	-	X	200-2332-4
		RH	X	X	200-2332-10
		*RH+LH	X	X	200-2332-11
Finish Cooling	LH	LH	X	-	200-2333-1
		*LH+RH	X	-	200-2333-2
		LH	-	X	200-2333-3
		LH+RH	-	X	200-2333-4
		LH	X	X	200-2333-5
		*LH+RH	X	X	200-2333-6
	RH	RH	X	-	200-2333-7
		*RH+LH	X	-	200-2333-8
		RH	-	X	200-2333-9
		RH+LH	-	X	200-2333-4
		RH	X	X	200-2333-10
		*RH+LH	X	X	200-2333-11

* → Master regulator side in **Bold**

- Overhead beam supply:

Function	Supply Side	Part number
Air, Lubrication Oil & Water Supply to Beam	LH	200-2334-1
	RH	200-2334-2
NOTE: If not differently requested, the standard location for the air supply piping is located at the cold side of the machine (furnace side).		

- Extra overhead function supply:

Function	Supply Side	Built-in Pilot	MCU Pilot	Part number
Extra overhead function supply	LH	X	-	200-2335-1
		-	X	200-2335-2
	RH	X	-	200-2335-3
		-	X	200-2335-4

- Blank Close and High Pressure (HP) supply:

Function	Supply Side	Blank close	High Pressure	Part number
Blank Close & HP supply	LH and RH	X	-	200-2242-1
	LH or RH	X	-	200-2242-2
	LH and RH	X	X	200-2242-3
	LH or RH	X	X	200-2242-4
	LH and RH	-	X	200-2242-5
	LH or RH	-	X	200-2242-6

- Conveyor Air supply:

Function	Supply Side	Pocket Air	Guide Air	Pilot Air for Pocket Air, Guide Air & Dead plate Cooling ON/OFF valves	Part number
Conveyor supply	LH	X	X	-	200-2339-1
		-	-	X	200-2339-2
	RH	-	-	X	200-2339-3
		X	X	-	200-2339-4
NOTE: In order to have a complete supply from the upright, Gr.1&2 or Gr.3&4 must be selected. Air supply piping is located at the cold side of the machine (opposite of conveyor delivery direction).					

Installation Requirements

The only requirement for installing the Modular Air Supply Piping is the square (flange) type connection for uprights, overhead, and air manifolds:

Machine		Side	Manifolds connection type		Part number
Part	Number of Sections		Round	Square (Flange)	
Uprights	6,8,10,12	LH	X	-	200-2215-1
		RH	X	-	200-2215-2
		LH	-	X	200-2215-3
		RH	-	X	200-2215-4
Air Manifolds	6	n/a	X	-	200-2232-1
	8		X	-	200-2232-2
	10		X	-	200-2232-3
	12		X	-	200-2232-4
	6		-	X	200-2232-5
	8		-	X	200-2232-6
	10		-	X	200-2232-7
	12		-	X	200-2232-8
Overhead Manifolds	6	n/a	X	-	200-1789-5
	8		X	-	200-1789-6
	10		X	-	200-1789-7
	12		X	-	200-1789-8
	6		-	X	200-1789-9
	8		-	X	200-1789-10
	10		-	X	200-1789-11
	12		-	X	200-1789-12

Features

Modularity

Benefits

Flexible configuration

Readiness for future modifications

Easier Specification

Meeting of customers' needs