



# Shini Central Vacuum Hopper Loader

SCAL-5HP-D

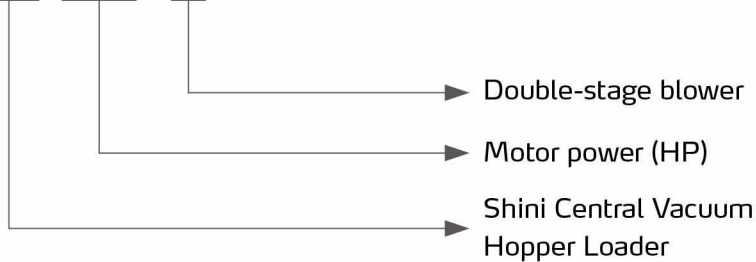


Refer carefully to this manual before operation.

# SCAL Series

## ■ Coding Principle

SAL - xxHP - (D)

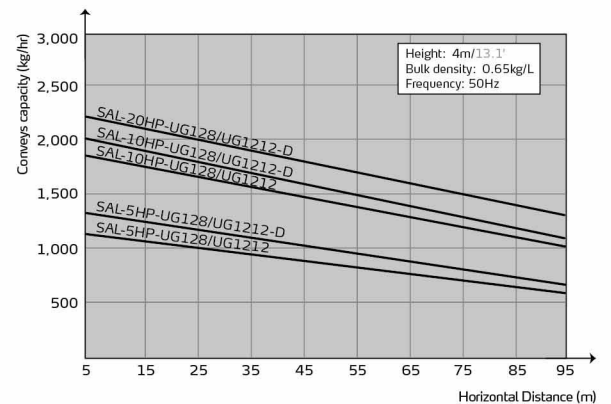


Vacuum breaking valve

## ■ Features

- Adopt cyclone filter design that effectively reduces the filter load.
- 7" touch screen+PLC control for direct status display and easy operation.
- Independent shut-off output function can control max. 12 SBU shut-off valves directly.
- The host unit has auto purge device that enables continuous cleaning.
- Collocated with Euro stainless steel central hopper ensures no material contamination.
- With vacuum breaking separator, it can prolong the blower's life span.
- RS485 interface and audible alarm device.

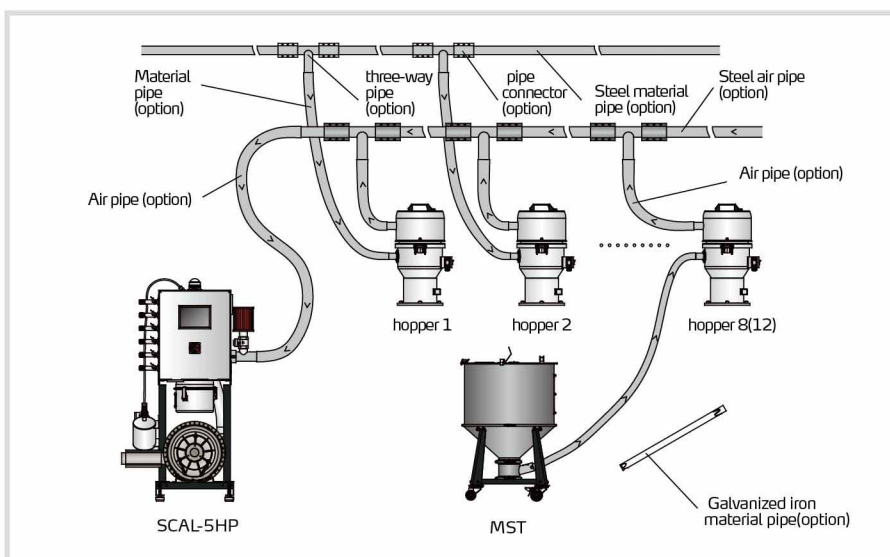
## ■ Conveying Capacity (SCAL)



## ■ Application

Collocated with eight (twelve) European vacuum hopper receivers, it is mainly used for multiple dehumidifying dryers to convey different plastic materials, which also can achieve material conveying to different injection molding machines or storage hoppers, and be used as small central material conveying system.

## ■ Working Principle



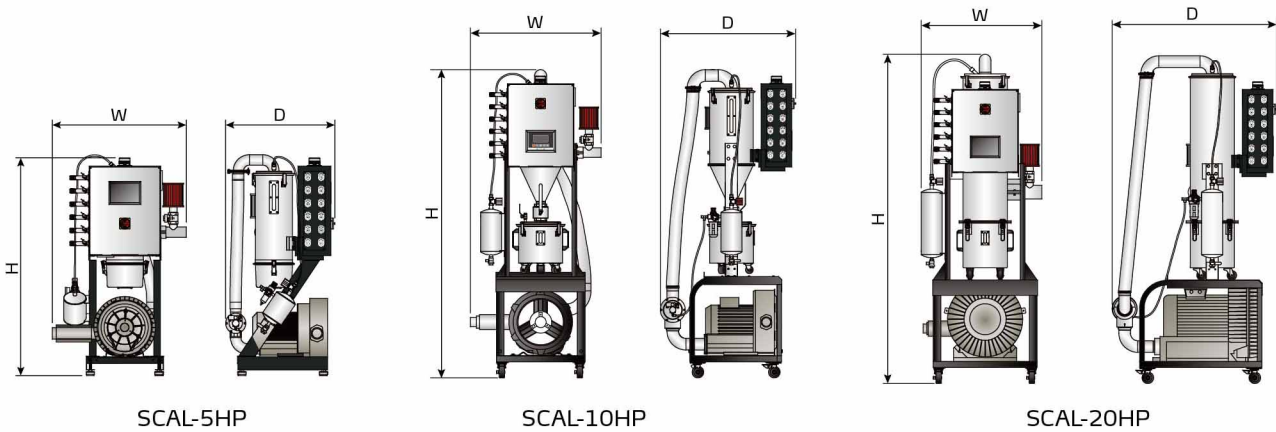
## Options

Model	Steel-wired air pipe	Steel-wired material pipe	Steel air pipe	Steel material pipe	T-type stainless steel three way	Pipe connector	Galvanized iron material pipe
SCAL - 5HP-(D)	2" (φ50.8)	1.5" (φ38.1)	2" (φ50.8)	1.5" (φ38.1)	1.5" (BH80035000020)	1.5" (φ38.1)	1.5" (φ38.1)
					2" (BH80035100020)	2" (φ50.8)	
SCAL - 10HP-(D)	2.5" (φ63.5)	2" (φ50.8)	2.5" (φ63.5)	2" (φ50.8)	2" (BH80035100020)	2" (φ50.8)	2" (φ50.8)
					2.5" (BH80035200020)	2.5" (φ63.5)	
SCAL - 20HP-D	3" (φ76.2)	2.5" (φ63.5)	3" (φ76.2)	2.5" (φ63.5)	2.5" (BH80035200020)	2.5" (φ63.5)	2.5" (φ63.5)
					3" (BH80035300020)	3" (φ76.2)	

Notes: The machine is purchased separately without the options.  
The three-way pipe, pipe connector, stainless steel pipe, galvanized iron material pipe and hopper wire are options, which should be purchased according to actual applications on site.

We reserve the right to change specifications without prior notice.

## Outline Drawing



## SCAL Specifications

Model	Main Unit				Hopper Receiver				Conveying Pipe Dia. (inch)	Vacuum Pipe Dia. (inch)	Conveying Capacity(50/60Hz)			
	Motor Power (kW, 50/60Hz)	Dimension (H×W×D)		Weight		Applied to	Capacity				kg	lb	kg/hr	lb/hr
		mm	inch	kg	lb		L	gal						
SCAL - 5HP	3.75	1365×760×670	53.7×29.9×26.4	98	216	12×SHR-3U-S	3	0.8	4.5	9.9	1.5	2	1200	2640
						12×SHR-6U-S	6	1.6	7.5	16.5				
						12×SHR-12U-S	12	3.2	9	19.8				
SCAL - 5HP - D	3.4	1365×820×670	53.7×32.3×26.4	100	220	12×SHR-3U-S	3	0.8	4.5	9.9	1.5	2	1350	2970
						12×SHR-6U-S	6	1.6	7.5	16.5				
						12×SHR-12U-S	12	3.2	9	19.8				
SCAL - 10HP	7.5	2020×810×865	79.5×31.9×34	228	503	12×SHR-24U-S	24	6.3	11	24.3	2	2.5	1800	3960
						12×SHR-36U-S	36	9.5	12	26.5				
SCAL - 10HP - D	7.5	2020×840×865	79.5×33×34	230	507	12×SHR-24U-S	24	6.3	11	24.3	2	2.5	2000	4400
						12×SHR-36U-S	36	9.5	12	26.5				
SCAL - 20HP - D	13	2200×810×1035	86.6×31.9×40.7	260	573	12×SHR-48U-S	48	12.7	18	39.7	2.5	3	2200	4840
						12×SHR-96U-S	96	25.4	23	50.7				

Notes: 1) Test condition of conveying capacity: Plastic material of bulk density 0.65kg/L(5.5lb/gal), dia. 3-5mm/0.12-0.2inch, vertical conveying height: 4m/13.1feet, horizontal conveying distance: 5m/16.4feet.  
2) Power supply: 3Φ, 230/400/460/575V, 50/60Hz.

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