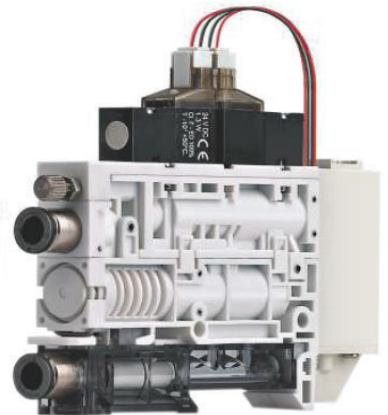
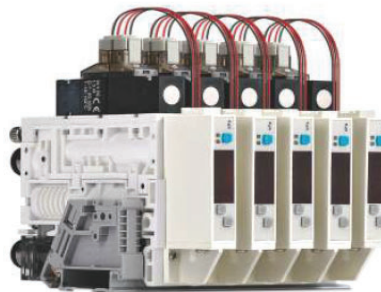
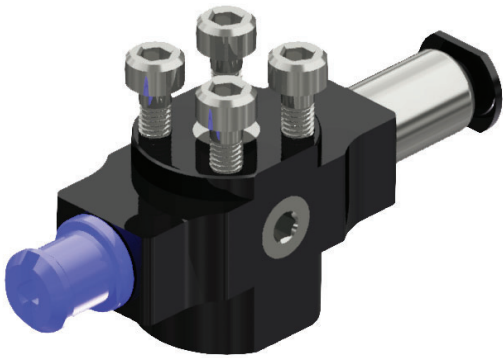
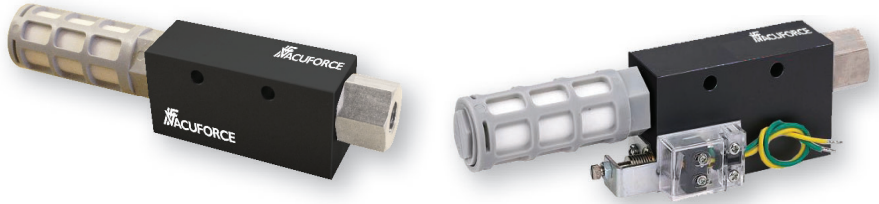




VACUUM VENTURI



- Anodized aluminum body
- All metal construction
- Maximum vacuum of 27"Hg
- Vacuum flow rates up to 8CFM
- Single stage technology
- HSK Models include part presence switch



N		CV	15		H		SK	
Ports		Series	Venturi Nozzle Ø		Vacuum Level		Switch Option	
N	NPT		05	0.5mm	H	-87kPa / 26.5"Hg		No Switch
	BSPT		10	1.0mm				
			15	1.5mm				
			20	2.0mm				
			25	2.5mm				
			30	3.0mm				

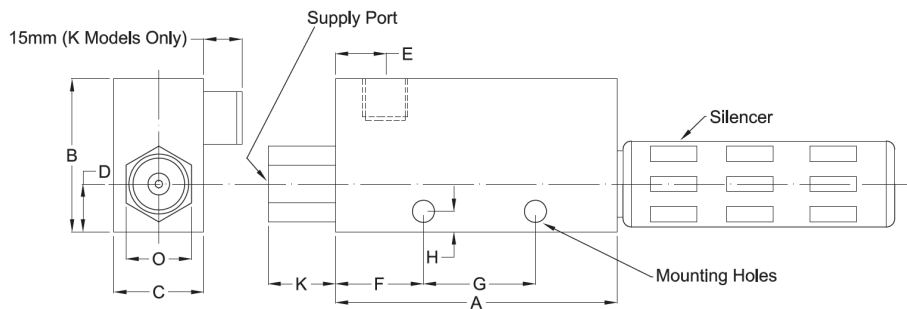
CV25 and CV30 models are not available with a vacuum switch option

CV25 and CV30 models are not available with a vacuum switch option

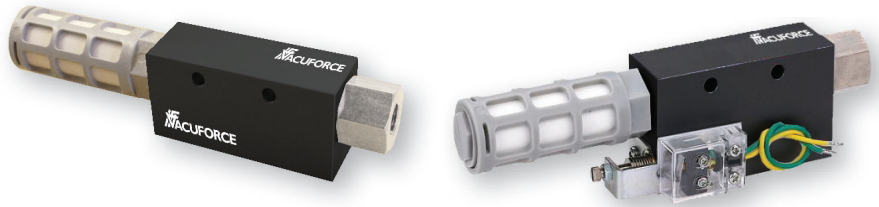
SPECIFICATIONS

Model	Venturi Ø	Vacuum Flow l/min / CFM	Max Vacuum -Kpa / inHg	Air Consumption l/min / CFM	Weight (g) HS / HSK Model
CV05H / SK	0.5mm	7 / 0.25	-87kPa / 26.5Hg	13 / 0.5	80 / 120
CV10H / SK	1.0mm	27 / 1.0		44 / 1.6	
CV15H / SK	1.5mm	63 / 2.2		100 / 3.5	140 / 190
CV20H / SK	2.0mm	110 / 3.9		180 / 6.3	350 / 460
CV25H	2.5mm	160 / 5.7		265 / 9.4	730 / -
CV30H	3.0mm	225 / 8.0		385 / 13.5	870 / -

DIMENSIONS (mm)



Model	A	B	C	D	E	F	G	H	ØI	Supply	Vacuum	Exhaust
CV05H / SK	45	33	16	10	8	14	20	4.5	4.5	1/8	1/8	1/8
CV10H / SK												
CV15H / SK	63	35	20	11	10	20	25	5	6	1/4	1/4	1/4
CV20H												
CV20HSK												
CV25H	100	60	40	20	16	20	50	5.5	6	3/8	1/2	3/4
CV30H												



FLOW PERFORMANCE

Model	Supply	Air Use l/min	Vacuum Flow (l/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
CV05H/SK	5bar	13	7	5.5	4.2	3	1.5	0.8	0.5	0.2	0.05	-90kPa
CV10H/SK		44	27	19	16	14.5	13	10.5	8	6.5	2.5	
CV15H/SK		100	63	55	44	37	32.5	25	18	14	9	
CV20H/SK		180	110	100	85	75	55	41	30	20	12	
CV25H		265	160	155	140	120	95	72	47	28	15	
CV30H		385	225	200	160	135	105	78	55	33	19	

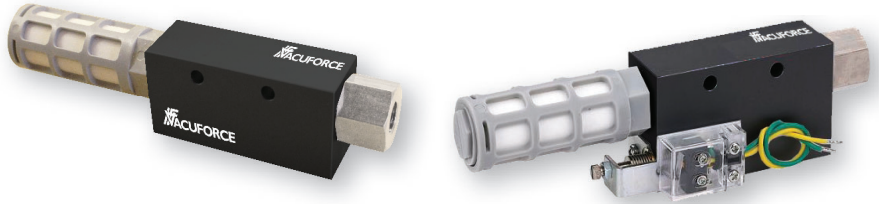
Model	Supply	Air Use CFM	Vacuum Flow (SCFM) at Different Vacuum Levels (inHg)									Max Vacuum
			0	3	6	9	12	15	18	21	24	
CV05H/SK	75psi	0.46	0.25	0.19	0.15	0.11	0.05	0.03	0.02	0.01	0.00	27"Hg
CV10H/SK		1.6	1.0	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.1	
CV15H/SK		3.5	2.2	1.9	1.6	1.3	1.1	0.9	0.6	0.5	0.3	
CV20H/SK		6.4	3.9	3.5	3.0	2.7	1.9	1.4	1.1	0.7	0.4	
CV25H		9.4	5.7	5.5	4.9	4.2	3.4	2.5	1.7	1.0	0.5	
CV30H		13.6	8.0	7.1	5.7	4.8	3.7	2.8	1.9	1.2	0.7	

TIME PERFORMANCE

Evacuation time (sec/l) to different vacuum levels (-SKPa)									
Model	Supply	10	20	30	40	50	60	70	80
CV05H/SK	75psi	0.6	1.4	2.7	4.3	6.0	8.2	9.4	11.8
CV10H/SK		0.2	0.5	0.8	1.2	1.7	2.3	2.9	4.0
CV15H/SK		0.08	0.19	0.3	0.48	0.69	0.9	1.4	1.9
CV20H/SK		0.04	0.1	0.16	0.23	0.34	0.5	0.7	0.9
CV25H		0.03	0.07	0.1	0.17	0.24	0.34	0.5	0.75
CV30H		0.03	0.06	0.09	0.14	0.2	0.27	0.4	0.63

Evacuation time (sec/ft³) to different vacuum levels (inHg)									
Model	Supply	3	6	9	12	15	18	21	24
CV05H/SK	75psi	16.8	39.2	75.6	120.4	168	229.6	263.2	330.4
CV10H/SK		5.6	14	22.4	33.6	47.6	64.4	81.2	112
CV15H/SK		2.24	5.32	8.4	13.44	19.32	25.2	39.2	53.2
CV20H/SK		1.12	2.8	4.48	6.44	9.52	14	19.6	25.2
CV25H		0.84	1.96	2.8	4.76	6.72	9.52	14	21
CV30H		0.84	1.68	2.52	3.92	5.6	7.56	11.2	17.64

- Anodized aluminum body
- All metal construction
- Maximum vacuum of 27"Hg
- Vacuum flow rates up to 8CFM
- Single stage technology
- HSK Models include part presence switch



N		CV	15		H		SK	
Ports		Series	Venturi Nozzle Ø		Vacuum Level		Switch Option	
N	NPT		05	0.5mm	H	-87kPa / 26.5"Hg		No Switch
	BSPT		10	1.0mm				
			15	1.5mm				
			20	2.0mm				
			25	2.5mm				
			30	3.0mm				

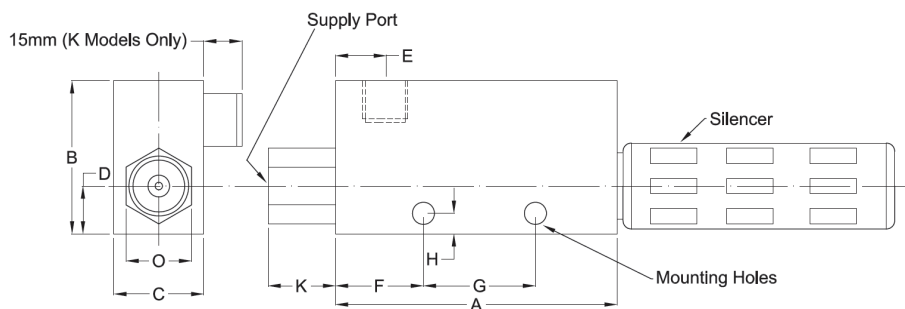
CV25 and CV30 models are not available with a vacuum switch option

CV25 and CV30 models are not available with a vacuum switch option

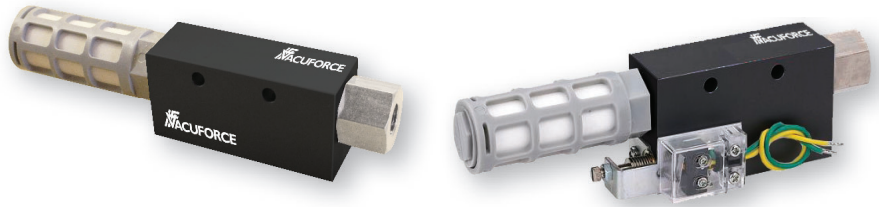
SPECIFICATIONS

Model	Venturi Ø	Vacuum Flow l/min / CFM	Max Vacuum -Kpa / inHg	Air Consumption l/min / CFM	Weight (g) HS / HSK Model
CV05H / SK	0.5mm	7 / 0.25	-87kPa / 26.5Hg	13 / 0.5	80 / 120
CV10H / SK	1.0mm	27 / 1.0		44 / 1.6	
CV15H / SK	1.5mm	63 / 2.2		100 / 3.5	140 / 190
CV20H / SK	2.0mm	110 / 3.9		180 / 6.3	350 / 460
CV25H	2.5mm	160 / 5.7		265 / 9.4	730 / -
CV30H	3.0mm	225 / 8.0		385 / 13.5	870 / -

DIMENSIONS (mm)



Model	A	B	C	D	E	F	G	H	ØI	Supply	Vacuum	Exhaust
CV05H / SK	45	33	16	10	8	14	20	4.5	4.5	1/8	1/8	1/8
CV10H / SK												
CV15H / SK	63	35	20	11	10	20	25	5	6	1/4	1/4	1/4
CV20H												
CV20HSK												
CV25H	85	40	30	15	13	28	32	7		3/8	1/2	1/2
CV30H	100	50	40	20	16	20	50	5.5		3/8	1/2	3/4
	118	60	40	20	20	33				1/2	3/4	



FLOW PERFORMANCE

Model	Supply	Air Use l/min	Vacuum Flow (l/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
CV05H/SK	5bar	13	7	5.5	4.2	3	1.5	0.8	0.5	0.2	0.05	-90kPa
CV10H/SK		44	27	19	16	14.5	13	10.5	8	6.5	2.5	
CV15H/SK		100	63	55	44	37	32.5	25	18	14	9	
CV20H/SK		180	110	100	85	75	55	41	30	20	12	
CV25H		265	160	155	140	120	95	72	47	28	15	
CV30H		385	225	200	160	135	105	78	55	33	19	

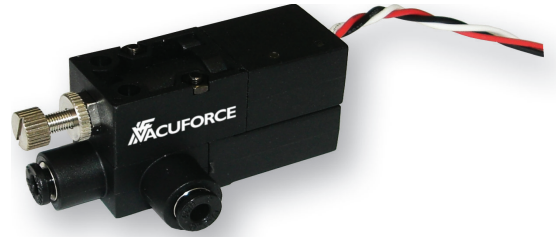
Model	Supply	Air Use CFM	Vacuum Flow (SCFM) at Different Vacuum Levels (inHg)									Max Vacuum
			0	3	6	9	12	15	18	21	24	
CV05H/SK	75psi	0.46	0.25	0.19	0.15	0.11	0.05	0.03	0.02	0.01	0.00	27"Hg
CV10H/SK		1.6	1.0	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.1	
CV15H/SK		3.5	2.2	1.9	1.6	1.3	1.1	0.9	0.6	0.5	0.3	
CV20H/SK		6.4	3.9	3.5	3.0	2.7	1.9	1.4	1.1	0.7	0.4	
CV25H		9.4	5.7	5.5	4.9	4.2	3.4	2.5	1.7	1.0	0.5	
CV30H		13.6	8.0	7.1	5.7	4.8	3.7	2.8	1.9	1.2	0.7	

TIME PERFORMANCE

Evacuation time (sec/l) to different vacuum levels (-SKPa)									
Model	Supply	10	20	30	40	50	60	70	80
CV05H/SK	75psi	0.6	1.4	2.7	4.3	6.0	8.2	9.4	11.8
CV10H/SK		0.2	0.5	0.8	1.2	1.7	2.3	2.9	4.0
CV15H/SK		0.08	0.19	0.3	0.48	0.69	0.9	1.4	1.9
CV20H/SK		0.04	0.1	0.16	0.23	0.34	0.5	0.7	0.9
CV25H		0.03	0.07	0.1	0.17	0.24	0.34	0.5	0.75
CV30H		0.03	0.06	0.09	0.14	0.2	0.27	0.4	0.63

Evacuation time (sec/ft³) to different vacuum levels (inHg)									
Model	Supply	3	6	9	12	15	18	21	24
CV05H/SK	75psi	16.8	39.2	75.6	120.4	168	229.6	263.2	330.4
CV10H/SK		5.6	14	22.4	33.6	47.6	64.4	81.2	112
CV15H/SK		2.24	5.32	8.4	13.44	19.32	25.2	39.2	53.2
CV20H/SK		1.12	2.8	4.48	6.44	9.52	14	19.6	25.2
CV25H		0.84	1.96	2.8	4.76	6.72	9.52	14	21
CV30H		0.84	1.68	2.52	3.92	5.6	7.56	11.2	17.64

- Integral vacuum switch
- Box style vacuum venturi
- Lightweight and compact
- Inch port sizes 5/32", 1/4", 5/16" & 3/8"
- Metric port sizes 4, 6, 8 & 10mm
- Internal silencer



VABS

07

06

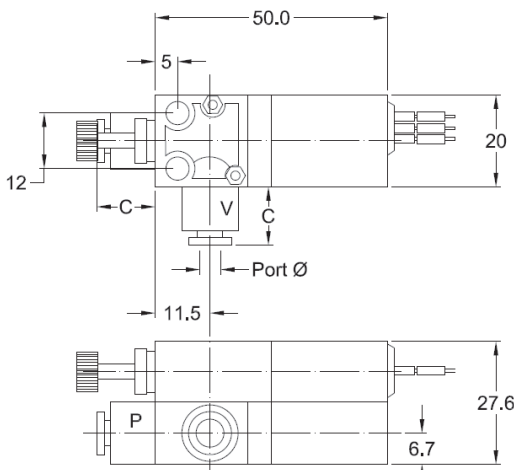
Series	Venturi Nozzle Ø		Supply & Vacuum Port Ø	
07	0.7mm		04	4mm (5/32")
12	1.2mm		06	6mm
15	1.5mm		14	1/4"
			08	8mm (5/16")
			10	10mm
			38	3/8"

Venturi Ø	Tube Connection Availability					
	04	06	14	08	10	38
0.7mm	●	●	●			
1.2mm	●	●	●			
1.5mm				●	●	●

SPECIFICATIONS

Model	Venturi Ø	Tube Ø	Vacuum Flow l/min / CFM	Max Vacuum -Kpa / inHg	Air Consumption l/min / CFM	Supply Pressure bar / psi
VABS0704	0.7mm	4mm (5/32")	6 / 0.2	86.7 / 26.0	13 / 0.45	5 / 73
VABS0706		6mm	27 / 0.96	44 / 1.56		
VABS0714		1/4"				
VABS1204	1.2mm	4mm (5/32")	63 / 2.23	92.0 / 27.5	100 / 3.53	
VABS1206		6mm	90 / 3.2		130 / 4.6	
VABS1214		1/4"				
VABS1508	1.5mm	8mm (5/16")	110 / 3.89		180 / 6.36	
VABS1510		10mm				
VABS1538		3/8"				

DIMENSIONS (mm)



Model	Port Sizes Ø	Dimension C
VABS0704	4mm (5/32")	14.5
VABS0706	6mm	16
VABS0714	1/4"	
VABS1204	4mm (5/32")	14.5
VABS1206	6mm	16
VABS1214	1/4"	
VABS1508	8mm (5/16")	
VABS1510	10mm	
VABS1538	3/8"	

- Box style vacuum venturi
- Lightweight and compact
- Inch port sizes 5/32", 1/4", 5/16" & 3/8"
- Metric port sizes 4, 6, 8 & 10mm
- Internal silencer



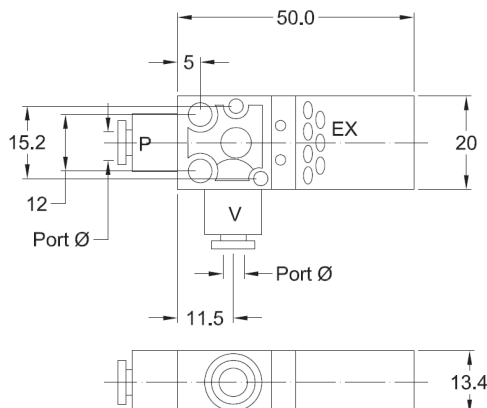
VAB		07		06	
Series	Venturi Nozzle Ø	Supply & Vacuum Port Ø			
07	0.7mm	04	4mm (5/32")		
12	1.2mm	06	6mm		
15	1.5mm	14	1/4"		
		08	8mm (5/16")		
		10	10mm		
		38	3/8"		

Venturi Ø	Tube Connection Availability					
	04	06	14	08	10	38
0.7mm	●	●	●			
1.2mm	●	●	●			
1.5mm				●	●	●

SPECIFICATIONS

Model	Venturi Ø	Tube Ø	Vacuum Flow l/min / CFM	Max Vacuum -Kpa / inHg	Air Consumption l/min / CFM	Supply Pressure bar / psi
VAB0704	0.7mm	4mm (5/32")	7 / 0.2	86.7 / 26.0	13 / 0.45	5 / 73
VAB0706		6mm	13 / 0.96	92.0 / 27.5	44 / 1.56	
VAB0714		1/4"				
VAB1204	1.2mm	4mm (5/32")	63 / 2.23		100 / 3.53	
VAB1206		6mm	90 / 3.2		130 / 4.6	
VAB1214		1/4"				
VAB1508	1.5mm	8mm (5/16")	110 / 3.9		180 / 6.36	
VAB1510		10mm				
VAB1538		3/8"				

DIMENSIONS (mm)



Model	Port Sizes Ø	Dimension C
VAB0704	4mm (5/32")	14.5
VAB0706	6mm	16
VAB0714	1/4"	
VAB1204	4mm (5/32")	14.5
VAB1206	6mm	16
VAB1214	1/4"	
VAB1508	8mm (5/16")	
VAB1510	10mm	
VAB1538	3/8"	

- Inline vacuum venturi
- Lightweight and compact
- Inch port sizes 5/32", 1/4", 5/16", 3/8" & 1/2"
- Metric port sizes 4, 6, 8, 10 & 12mm
- Internal silencer



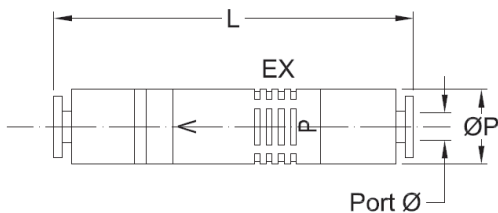
VML	10	06
Series	Venturi Nozzle Ø	Supply & Vacuum Port Ø
05	0.5mm	04 4mm (5/32")
10	1.0mm	06 6mm
15	1.5mm	14 1/4"
20	2.0mm	08 8mm (5/16")
		10 10mm
		38 3/8"
		12 12mm
		12N 1/2"

Venturi Ø	Tube Connection Availability							
	04	06	14	08	10	38	12	12N
05	●	●	●					
10		●	●	●				
15				●	●	●		
20					●	●	●	●

SPECIFICATIONS

Model	Venturi Ø	Port (P & V) Ø	Vacuum Flow l/min / CFM	Weight (g)
VML0504	0.5mm	4mm (5/32")	11.5 / 0.4	25
VML0506		6mm		
VML0514		1/4"		
VML1006	1.0mm	6mm	45 / 1.6	30
VML1014		1/4"		
VML1008		8mm (5/16")		
VML1508	1.5mm	3/8"	68 / 2.4	45
VML1538		10mm		
VML1510		12mm		
VML2010	2.0mm	12mm	90 / 3.2	53
VML2012		1/2"		
VML2012N				

DIMENSIONS (mm)



Model	Port Size Ø	L	ØP
VML0504	4mm (5/32")	60	14
VML0506	6mm	66	
VML0514	1/4"		
VML1006	6mm	76	16
VML1014	1/4"		
VML1008	8mm (5/16")	79	
VML1508			
VML1538	3/8"		
VML1510	10mm		
VML2010			
VML2012	12mm	90	22
VML2012N	1/2"		

- Inline vacuum venturi with threaded vacuum port
- Lightweight and compact
- Inch supply port sizes 5/32", 1/4", 5/16", 3/8" & 1/2"
- Metric supply port sizes 4, 6, 8, 10 & 12mm
- Internal silencer



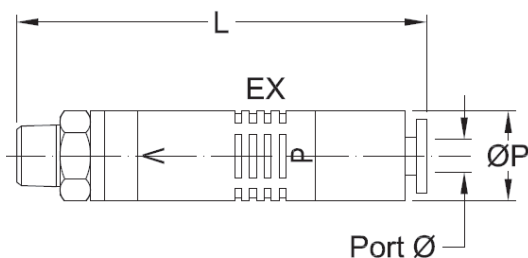
VMK	10	06	01
Series	Venturi Nozzle Ø	Supply Port (P)	Vacuum Port
05	0.5mm	4 4mm (5/32")	M5 M5 (10-32UNF)
10	1.0mm	6 6mm	01 R1/8
15	1.5mm	8 8mm (5/16")	02 R1/4
20	2.0mm	10 10mm	03 R3/8
		12 12mm	04 R1/2

Vacuum Port Tube Ø	Thread Size Vacuum Port				
	M5	R1/8	R1/4	R3/8	R1/2
4mm (5/32")	●				
6mm		●			
8mm (5/16")		●			
10mm			●		
12mm				●	●

SPECIFICATIONS

Model	Venturi Ø	Tube Ø	Thread (V)	Vacuum Flow l/min / CFM	Weight (g)
VMK054M5	0.5mm	4mm (5/32")	M5	11.5 / 0.4	20
VMK05601		6mm	R1/8		25
VMK10601	1.0mm	8mm (5/16")		R1/4	45 / 1.6
VMK10801					
VMK15802	1.5mm	10mm	R3/8	68 / 2.4	45
VMK15103					
VMK20103	2.0mm	12mm	R1/2	90 / 3.2	53
VMK20124					

DIMENSIONS (mm)



Model	Tube Ø	Thread Port	L	ØP
VMK054M5	4mm (5/32")	M5	56	14
VMK05601	6mm	R1/8	62	
VMK10601			73	16
VMK10801	75			
VMK15802	8mm (5/16")		R1/4	74
VMK151003	10mm	R3/8	89	22
VMK201003				
VMK201204	12mm	R1/2		

- T style vacuum venturi
- Lightweight and compact
- Inch supply port sizes 5/32", 1/4", 5/16", 3/8" & 1/2"
- Metric supply port sizes 4, 6, 8, 10 & 12mm
- Perpendicular exhaust port suitable for clean rooms

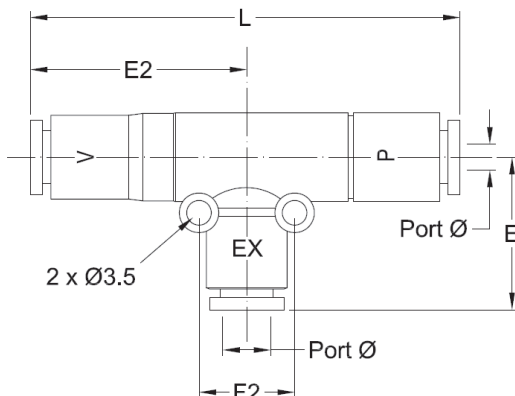


VMT	10	06
Series	Venturi Nozzle Ø	Supply & Vacuum Port
05	0.5mm	4mm (5/32")
10	1.0mm	6mm
15	1.5mm	8mm (5/16")
20	2.0mm	10mm
		12mm

SPECIFICATIONS

Model	Venturi Ø	Air Supply (P) & Vacuum Port (V) Ø	Exhaust Port (EX) Ø	Vacuum Flow l/min / CFM	Weight (g)
VMT0504	0.5mm	4mm (5/32")	6mm	11.5 / 0.4	40
VMT0506		6mm			
VMT05014		1/4"	1/4"		
VMT1006	1.0mm	6mm	6mm	45 / 1.6	45
VMT1014		1/4"	8mm (5/16")		
VMT1008		8mm (5/16")			
VMT1508	1.5mm		10mm	68 / 2.4	58
VMT1510		10mm			54
VMT2038	2.0mm	3/8"	3/8"	90 / 3.2	69
VMT2010		10mm	12mm		
VMT2012		12mm			64
VMT2012N		1/2"	1/2"		

DIMENSIONS (mm)



Model	Air Supply (P) & Vacuum Port (V) Ø	Exhaust Port (EX) Ø	L	E	E2	
VMT0504	4mm (5/32")	6mm	60	24	29	
VMT0506	6mm		66		32	
VMT05014	1/4"					
VMT1006	6mm	6mm	76	27	40	
VMT1014	1/4"	8mm (5/16")			42	
VMT1008	8mm (5/16")					
VMT1508		10mm	79	40		
VMT1510					10mm	
VMT2038	3/8"					42
VMT2010	10mm	12mm	90	50		
VMT2012	12mm					
VMT2012N	1/2"				1/2"	

- Manifold vacuum venturi with external or integral exhaust port
- Suitable for clean room environments
- Threaded port for air supply manifold connection
- Lightweight and compact
- R1/8 & R1/4 Supply pressure ports
- Vacuum ports of 6, 8 & 10mm



VMB Series

VMD Series

VMB

07

06

01

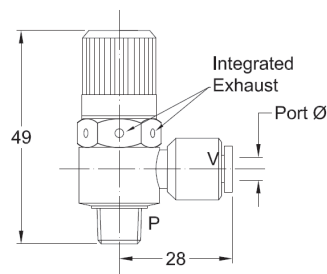
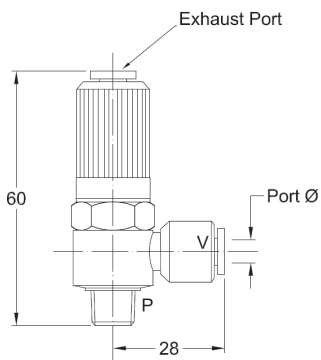
Series Type		Venturi Nozzle Ø		Supply Port (P)		Vacuum Port	
VMB	External Exhaust	05	0.5mm	6	6mm	M5	M5 (10-32UNF)
VMD	Integral Exhaust	07	0.7mm	8	8mm (5/16")	01	R1/8
		10	1.0mm	10	10mm	02	R1/4
		15	1.5mm	12	12mm		

SPECIFICATIONS

Model	Venturi Ø	Port (V) Ø	Supply Port (P)	Vacuum Flow l/min / CFM
VMB05601 & VMD05601	0.5mm	6mm	R1/8	11.5 / 0.4
VMB07601 & VMD07601	0.7mm	8mm		23 / 0.8
VMB07801 & VMD07801		8mm		
VMB10601 & VMD10601	1.0mm	6mm	R1/4	45 / 1.6
VMB10801 & VMD10801		8mm		
VMB15802 & VMD15802	1.5mm	10mm		67.5 / 2.4
VMB15102 & VMD15102		10mm		

Tube Ø	Air Supply Port	
	R1/8	R1/4
6mm	●	
8mm (5/16")	●	●
10mm		●

DIMENSIONS (mm)



Model	Port (V) Ø	Thread Port (P)	L	E
VMB05601	6mm	R1/8	58	26
VMB07601				
VMB07801	8mm		60	27.5
VMB10601	6mm		58	26
VMB10801	8mm		60	28
VMB15802				
VMB15102	10mm	R1/4	73	30

Model	Port (V) Ø	Thread Port (P)	L	E
VMD05601	6mm	R1/8	49	26
VMD07601				
VMD07801	8mm			27.5
VMD10601	6mm			26
VMD10801	8mm	R1/4	58	28
VMD15802				
VMD15102	10mm			

VFVG30 VACUUM GENERATOR



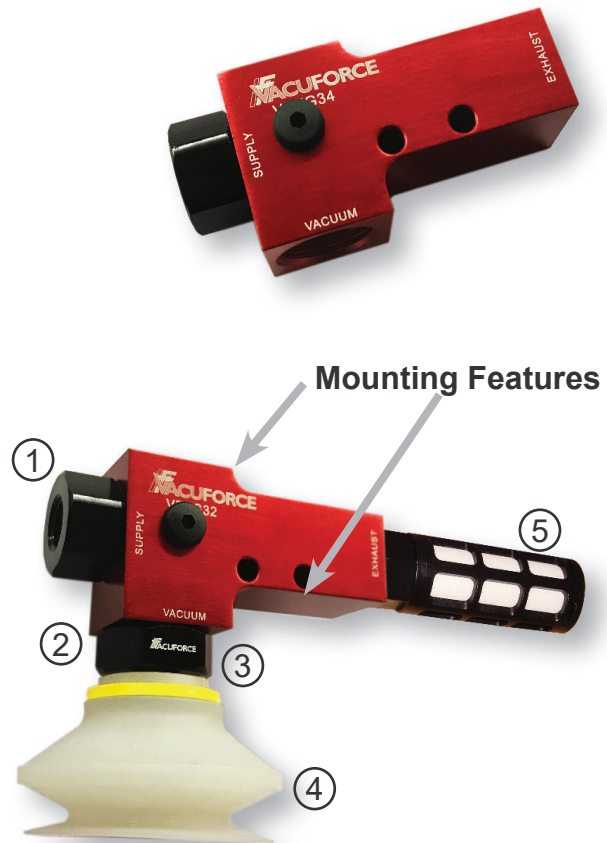
- Single stage venturi technology
- 2 Axis mounting features
- Extremely efficient
- Lightweight construction
- Ideal for point of use vacuum cup applications

VFVG	30
Series	Vacuum Port
30	G1/8
32	G1/4
34	G3/8

Operation Principle

Compressed air is supplied to the venturi nozzle (1). Vacuum is generated at the vacuum port (2) which has a cup fitting (3) and vacuum suction cup (4) attached to it. The induced air is exhausted with the supply air through the silencer (5).

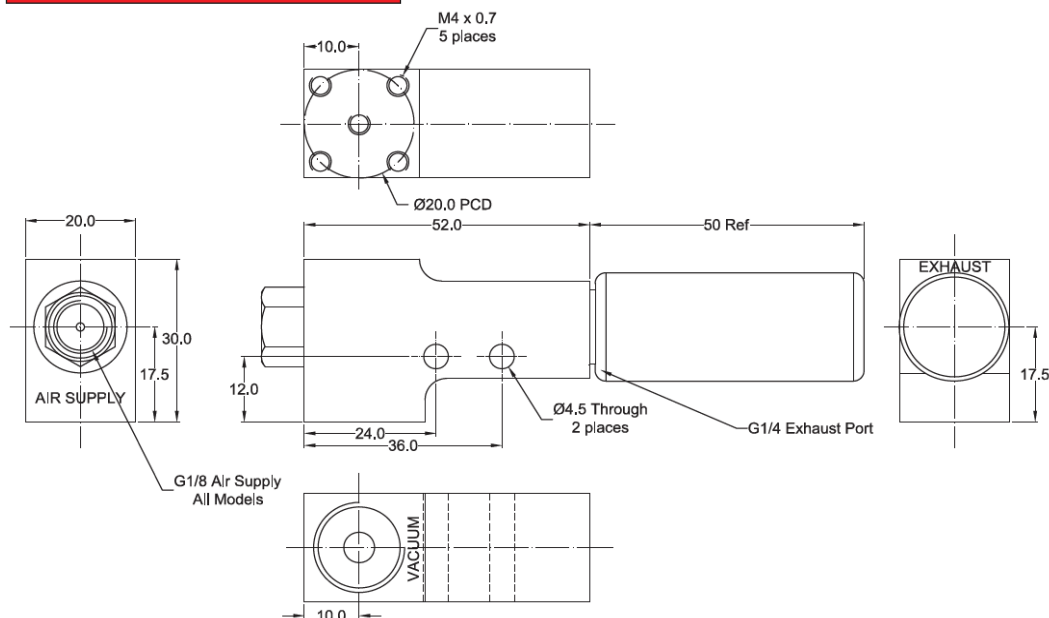
Cup fittings and vacuum cups should be ordered separately.



SPECIFICATIONS

Inlet Pressure	Vacuum Flow l/min / CFM	Max Vacuum -Kpa / inHg	Air Consumption l/min / CFM	Weight (g)
4bar / 60psi	39/1.4	-70 / 21	34/1.2	75
5bar / 75psi		-80 / 24	39/1.4	

DIMENSIONS (mm)



- Single stage venturi technology
- 2 Axis mounting features
- Extremely efficient
- Lightweight construction
- Ideal for point of use vacuum cup applications

VFVG

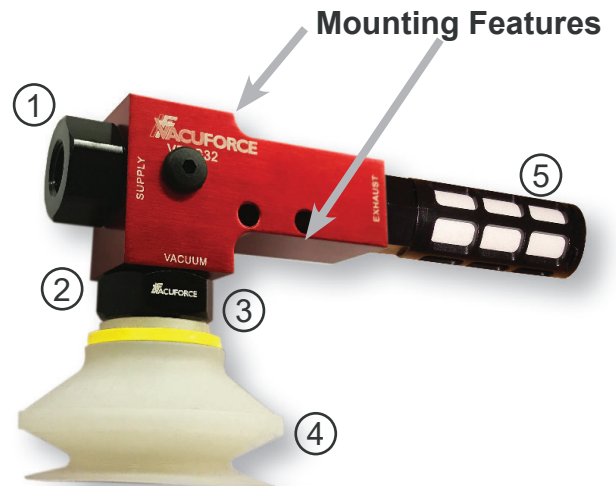
40

Series	Vacuum Port	
	40	G1/8
	42	G1/4
	44	G3/8

Operation Principle

Compressed air is supplied to the venturi nozzle (1). Vacuum is generated at the vacuum port (2) which has a cup fitting (3) and vacuum suction cup (4) attached to it. The induced air is exhausted with the supply air through the silencer (5).

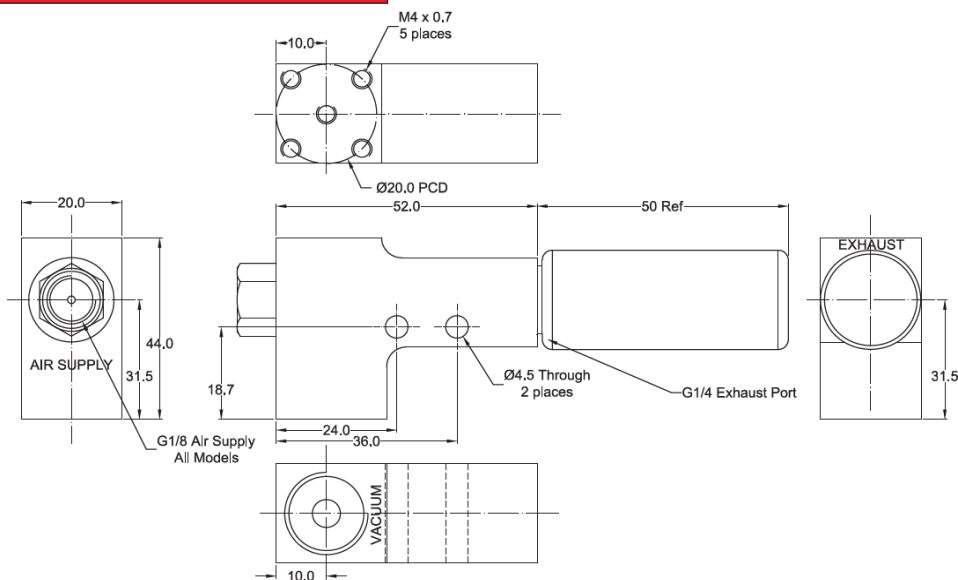
Cup fittings and vacuum cups should be ordered separately.



SPECIFICATIONS

Inlet Pressure	Vacuum Flow l/min / CFM	Max Vacuum -Kpa / inHg	Air Consumption l/min / CFM	Weight (g)
4bar / 60psi	1.4CFM	70 / 21	1.2	75
5bar / 75psi		-80 / 24		

DIMENSIONS (mm)



- Two stage vacuum generator
- Lightweight and compact
- Integral and external silencer options
- Threaded ports in BSPP and NPSF
- High efficient multi stage technology


ABM
10
NB

Series	Venturi Nozzle Ø		Body Type				
	5	0.5mm	Code	Supply Port	Vacuum Port	Exhaust Type	Port Plate
	10	1.0mm	A	M5 (10-32UNF)	G1/8	Internal Silencer	PBT Body
	20	2.0mm	NA		1/8NPSF		
	30	3.0mm	B	G1/8	G3/8		Aluminum (ABM5 & 10)
			BA				
			NB	1/8NPSF	3/8NPSF		PBT Body
	NBA	Aluminum					
			C	G1/8	G3/8	External Silencer	PBT Body
			NC	1/8NPSF	3/8NPSF		

SPECIFICATIONS

Model	Maximum Vacuum	Maximum Vacuum Flow l/min / CFM	Air Consumption @ 4bar / 60psi l/min / CFM
ABM5	-85kPa / 25.5"Hg	37 / 1.3	20 / 0.7
ABM10		75 / 2.7	42 / 1.5
ABM20		150 / 5.3	85 / 3.0
ABM30		220 / 7.8	125 / 4.4

TIME PERFORMANCE (sec/l)

Evacuation time (sec) to different vacuum levels (-kPa)									
Model	Supply Pressure	10	20	30	40	50	60	70	80
ABM5	4.5bar / 66psi	0.11	0.42	0.95	1.66	2.5	3.65	5.25	7.89
ABM10		0.08	0.2	0.44	0.8	1.24	1.8	2.55	3.8
ABM20		0.04	0.12	0.23	0.41	0.65	0.93	1.33	2.03
ABM30		0.03	0.09	0.16	0.27	0.43	0.66	0.95	1.43

Evacuation time (sec) to different vacuum levels (-kPa)									
Model	Supply Pressure	10	20	30	40	50	60	70	80
ABM5	6bar / 90psi	0.13	0.51	1.15	1.93	2.87	4.09	5.84	10.46
ABM10		0.029	0.23	0.53	0.92	1.37	1.95	2.77	4.62
ABM20		0.023	0.15	0.28	0.46	0.71	1.02	1.48	2.55
ABM30		0.015	0.077	0.138	0.308	0.49	0.69	1.02	1.75

TIME PERFORMANCE (sec/ft³)

Evacuation time (sec) to different vacuum levels (inHg)									
Model	Supply Pressure	3	6	9	12	15	18	21	24
ABM5	4.5bar / 66psi	3.11	11.89	26.90	47.00	70.79	103.35	148.66	223.41
ABM10		2.27	5.66	12.46	22.65	35.11	50.97	72.21	107.60
ABM20		1.13	3.40	6.51	11.61	18.41	26.33	37.66	57.48
ABM30		0.85	2.55	4.53	7.65	12.18	18.69	26.90	40.49

Evacuation time (sec) to different vacuum levels (inHg)									
Model	Supply Pressure	3	6	9	12	15	18	21	24
ABM5	6bar / 90psi	3.68	14.44	32.56	54.65	81.27	115.81	165.37	296.19
ABM10		0.82	6.51	15.01	26.05	38.79	55.22	78.44	130.82
ABM20		0.65	4.25	7.93	13.03	20.10	28.88	41.91	72.21
ABM30		0.42	2.18	3.91	8.72	13.87	19.54	28.88	49.55

FLOW PERFORMANCE @ 4.5bar/66psi

Model	Vacuum Flow Rates (nl/min) at Different Vacuum Levels (-kPa)									Maximum Vacuum
	0	10	20	30	40	50	60	70	80	
ABM5	35.0	20.5	12.0	10.5	8.5	6.5	4.5	2.5	0.8	-85kPa
ABM10	70.0	40.5	25.0	21.0	18.0	14.0	9.5	5.0	1.3	
ABM20	141.0	77.0	45.0	40.0	30.0	25.0	18.0	12.0	3.0	
ABM30	175.0	105.0	70.0	63.0	53.0	40.0	26.0	14.0	6.5	

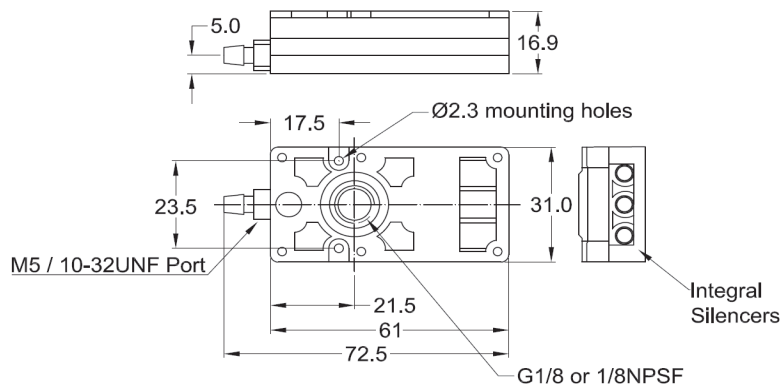
Model	Vacuum Flow Rates (CFM) at Different Vacuum Levels (inHg)									Maximum Vacuum
	0	3	6	9	12	15	18	21	24	
ABM05	1.2	0.7	0.4	0.4	0.3	0.2	0.2	0.1	0.0	26"Hg
ABM10	2.5	1.4	0.9	0.7	0.6	0.5	0.3	0.2	0.0	
ABM20	5.0	2.7	1.6	1.4	1.1	0.9	0.6	0.4	0.1	
ABM30	6.2	3.7	2.5	2.2	1.9	1.4	0.9	0.5	0.2	

FLOW PERFORMANCE @ 6bar/90psi

Model	Vacuum Flow Rates (nl/min) at Different Vacuum Levels (-kPa)									Maximum Vacuum
	0	10	20	30	40	50	60	70	80	
ABM05	37.0	25.0	15.5	12.0	8.0	6.0	4.0	2.7	0.6	-85kPa
ABM10	75.0	55.0	27.0	20.0	18.0	12.0	9.0	5.0	2.0	
ABM20	150.0	100.0	55.0	38.0	30.0	24.0	16.0	11.0	3.2	
ABM30	220.0	150.0	81.0	65.0	50.0	38.0	27.0	18.0	5.0	

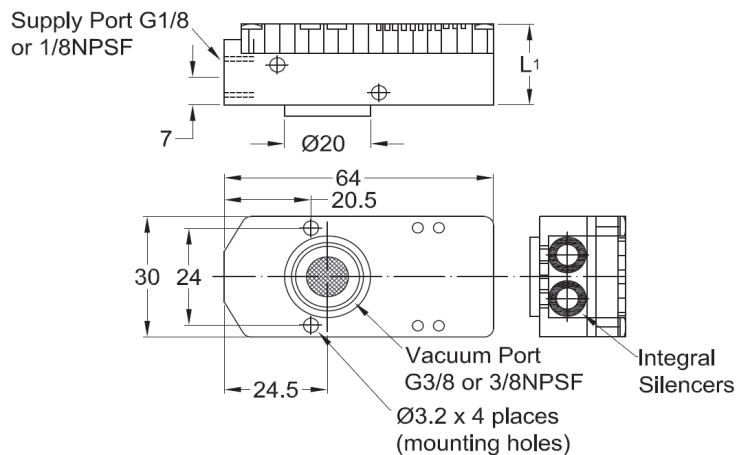
Model	Vacuum Flow Rates (CFM) at Different Vacuum Levels (inHg)									Maximum Vacuum
	0	3	6	9	12	15	18	21	24	
ABM05	1.3	0.9	0.5	0.4	0.3	0.2	0.1	0.1	0.0	26"Hg
ABM10	2.7	1.9	1.0	0.7	0.6	0.4	0.3	0.2	0.1	
ABM20	5.3	3.5	1.9	1.3	1.1	0.8	0.6	0.4	0.1	
ABM30	7.8	5.3	2.9	2.3	1.8	1.3	1.0	0.6	0.2	

DIMENSIONS (mm)



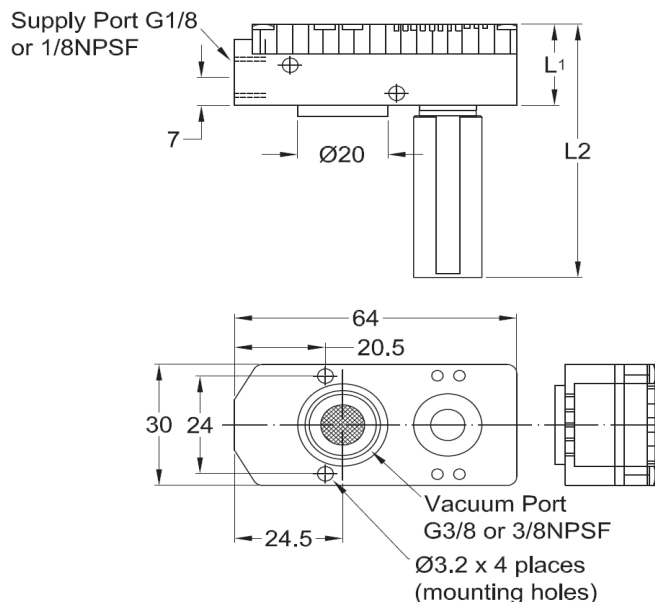
A & NA Body Type

Model	A	NA
ABM5	●	●
ABM10	●	●



B, NB & NBA Body Type

Model	L1	B	NB	NBA
ABM5	20.5	●	●	●
ABM10		●	●	●
ABM20	27.5	●	●	●
ABM30	35.0	●	●	●



C & NC Body Type

Model	L1	L2	C	NC
ABM5	20.5	87	●	●
ABM10			●	●
ABM20	27.5	94	●	●
ABM30	35.0	102	●	●

FEATURES

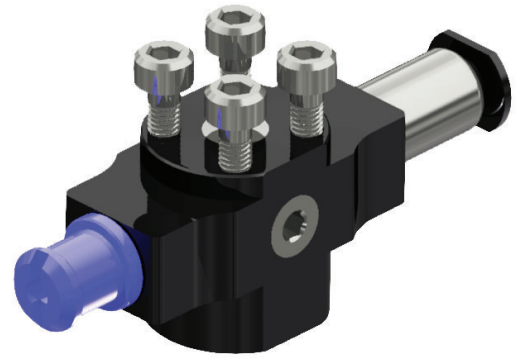
- Multi function coaxial cartridge technology
- Compact and lightweight
- Integrated silencer
- Multiple machine mounting options
- Cup can be mounted directly to venturi body



APPLICATIONS

- Sheet Metal Industry
- Woodworking
- End of line palletizing
- Robotic end of arm tooling
- Vacuum clamping tools

- Multi function coaxial cartridge technology
- 18.5mm Overall height (face to cup fitting)
- Compact and lightweight
- Integrated silencer
- Multiple machine mounting options
- Cup can be mounted directly to venturi body



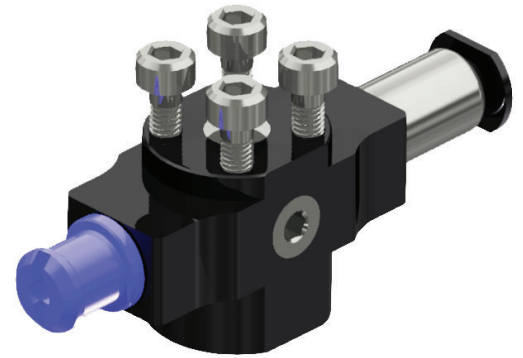
The AGS-C vacuum venturi can be used in de-centralized vacuum systems where the vacuum suction cups can be mounted directly to the venturi body. Inline vacuum venturi where the compressed air connection is in directline to the exhaust make for a very simplified installation. Optional vacuum ports can be connected to a vacuum sensor or gauge.

AGS		C		S02-2				
Series		Body Type		Venturi Cartridge Performance				
C		MICRO		Model	Max Vacuum		Max Flow	
				S02-2	-75kPa	22.5"Hg	17NI/min	0.6CFM
				X2.5-2	-90kPa	27.0"Hg		
				T05-2	-85kPa	25.5"Hg	20NI/min	0.7CFM

The AGS-C vacuum venturi can be close coupled to a suitable vacuum cup as shown here.

This direct coupling capability makes the AGS venturi system ideal for single pick and place decentralized vacuum applications.





FLOW PERFORMANCE NI/s

Model	Supply Pressure	Air Consumption	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)								Max Vacuum
			0	10	20	30	40	50	60	70	
AGS-C-S02-2	4.0bar	6NI/min	14.2	8.1	5.2	3.8	2.2	-	-	-	-55kPa
	5.0bar	7NI/min	15.7	10	5.5	4.5	3.4	2.2	-	-	-70kPa
	6.0bar	8NI/min	17	12.2	6.3	4.6	3.9	3	2	-	-75kPa

Model	Supply Pressure	Air Consumption	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)								Max Vacuum
			0	10	20	30	40	50	60	70	
AGS-C-X2.5-2	4.5bar	9NI/min	15	10	4.8	4.1	3.3	2.6	1.7	-	-85kPa
	5.0bar	9.5NI/min	15.6	11.6	6.6	4.0	3.3	2.6	1.7	-	-90kPa
	6.0bar	10NI/min	17.2	14.2	9.3	4.5	3.3	2.3	1.4	-	-89kPa

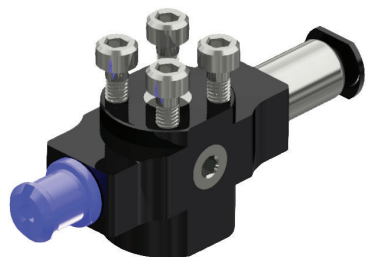
Model	Supply Pressure	Air Consumption	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)								Max Vacuum
			0	10	20	30	40	50	60	70	
AGS-C-T05-2	4.0bar	16NI/min	20.0	17.7	13.5	9.0	6.1	5.0	3.3	1.8	-84kPa
	6.0bar	21.5NI/min	18.7	17.4	15.1	13.1	9.7	6.0	2.7	1.8	-75kPa

FLOW PERFORMANCE CFM

Model	Supply Pressure	Air Consumption	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)								Max Vacuum
			0	3	6	9	12	15	18	21	
AGS-C-S02-2	60psi	0.2CFM	0.5	0.3	0.2	0.1	0.1	-	-	-	16.5"Hg
	75psi	0.2CFM	0.6	0.4	0.2	0.2	0.1	0.1	-	-	21.0"Hg
	90psi	0.3CFM	0.6	0.4	0.2	0.2	0.1	0.1	0.1	-	22.5"Hg

Model	Supply Pressure	Air Consumption	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)								Max Vacuum
			0	3	6	9	12	15	18	21	
AGS-C-X2.5-2	66psi	0.3CFM	0.5	0.4	0.2	0.1	0.1	-	-	-	25.4"Hg
	75psi	0.3CFM	0.6	0.4	0.2	0.1	0.1	0.1	-	-	26.9"Hg
	90psi	0.4CFM	0.6	0.5	0.3	0.2	0.1	0.1	-	-	26.6"Hg

Model	Supply Pressure	Air Consumption	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)								Max Vacuum
			0	3	6	9	12	15	18	21	
AGS-C-T05-2	60psi	0.6CFM	0.7	0.6	0.5	0.3	0.2	0.2	0.1	0.1	25.1"Hg
	90psi	0.8CFM	0.7	0.6	0.5	0.5	0.3	0.2	0.1	0.1	22.4"Hg



TIME PERFORMANCE s/l

Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels								Max Vacuum
			10	20	30	40	50	60	70	80	
AGS-C-S02-2	4.0bar	6NI/min	0.37	1.41	2.8	5.1	-	-	-	-	-55kPa
	5.0bar	7NI/min	0.3	1.2	2.5	4.1	6.6	11.1	-	-	-70kPa
	6.0bar	8NI/min	0.3	1.1	2.4	4.1	6.2	9.0	14.3	-	-75kPa

Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels								Max Vacuum
			10	20	30	40	50	60	70	80	
AGS-C-X2.5-2	4.5bar	9NI/min	0.4	1.3	3.2	4.6	6.5	9.8	15.3	25.7	-85kPa
	5.0bar	9.5NI/min	0.3	0.9	2.4	4.3	6.7	9.5	14.1	22.03	-90kPa
	6.0bar	10NI/min	0.2	0.7	1.7	3.7	5.9	9.5	14.5	22.41	-89kPa

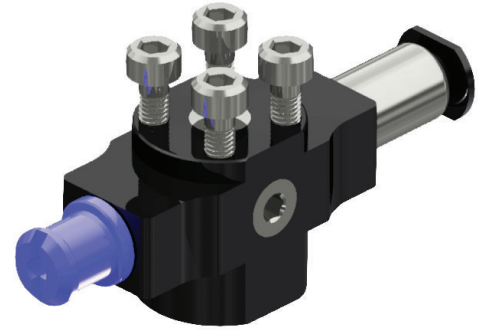
Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels								Max Vacuum
			10	20	30	40	50	60	70	80	
AGS-C-T05-2	4.0bar	16NI/min	0.2	0.5	1.1	2.2	3.4	5.2	9.0	17.36	-84kPa
	6.0bar	21.5NI/min	0.2	0.5	0.9	1.5	2.6	4.7	7.7	16.09	-75kPa

TIME PERFORMANCE

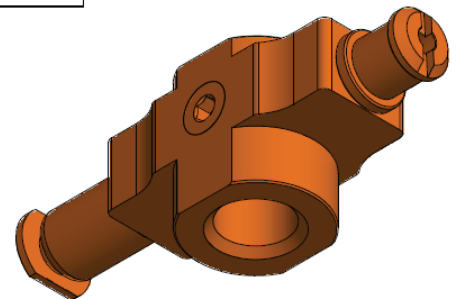
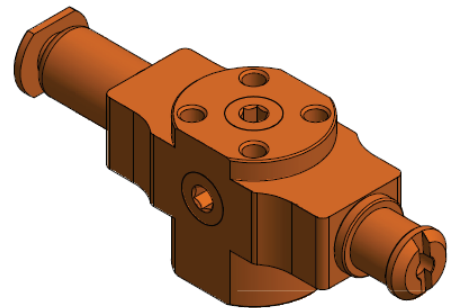
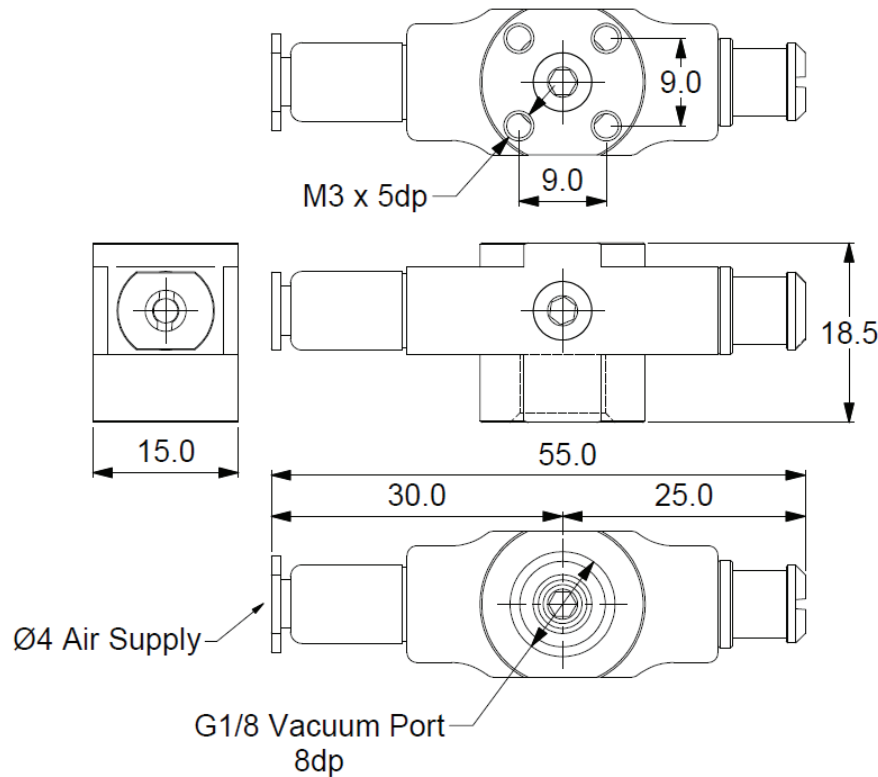
Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)								Max Vacuum
			3	6	9	12	15	18	21	24	
AGS-C-S02-2	60psi	0.2CFM	10.3	39.3	78.0	142.0	-	-	-	-	16.5"Hg
	75psi	0.2CFM	8.4	33.4	69.6	114.2	183.8	309.1	-	-	21.0"Hg
	90psi	0.3CFM	8.4	30.6	66.8	114.2	172.7	250.7	398.3	-	22.5"Hg

Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)								Max Vacuum
			3	6	9	12	15	18	21	24	
AGS-C-X2.5-2	66psi	0.3CFM	11.1	36.2	89.1	128.1	181.0	272.9	426.1	715.7	25.4"Hg
	75psi	0.3CFM	8.4	25.1	66.8	119.8	186.6	264.6	392.7	613.5	26.9"Hg
	90psi	0.4CFM	5.6	19.5	47.3	103.0	164.3	264.6	403.8	624.1	26.6"Hg

Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)								Max Vacuum
			3	6	9	12	15	18	21	24	
AGS-C-T05-2	60psi	0.6CFM	5.6	13.9	30.6	61.3	94.7	144.8	250.7	483.5	25.1"Hg
	90psi	0.8CFM	5.6	13.9	25.1	41.8	72.4	130.9	214.4	448.1	22.4"Hg



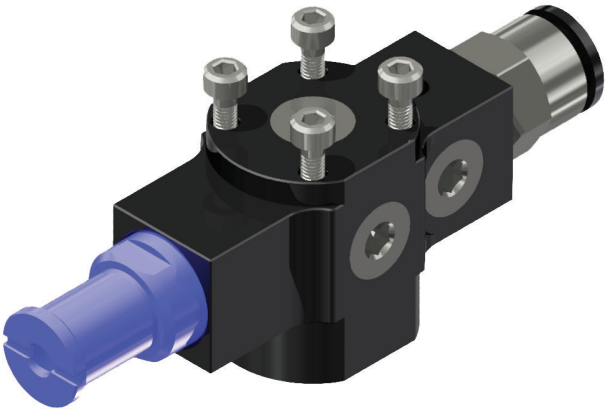
DIMENSIONS (mm)



SPARE CARTRIDGES

Generator Model	Spare Venturi Cartridge
AGS-C-S02-2	AS02-2
AGS-C-X2.5-2	AX2.5-2
AGS-C-T05-2	AT05-2

- Multi function coaxial cartridge technology
- 30mm Overall height (face to cup fitting)
- Compact and lightweight
- Integrated silencer
- Multiple machine mounting options
- Cup can be mounted directly to venturi body



The AGS-N vacuum venturi can be used in de-centralized vacuum systems where the vacuum suction cups can be mounted directly to the venturi body.

Inline vacuum venturi where the compressed air connection is in direct line to the exhaust make for a very simplified installation. Optional vacuum ports can be connected to a vacuum sensor or gauge.

AGS		N		S08-2				
Series		Body Type		Venturi Cartridge Performance				
		N	MINI	Model	Max Vacuum		Max Flow	
				S08-2	-75kPa	24”Hg	46NI/min	1.6CFM
				S08-3			68NI/min	2.4CFM
				X10-2	-93kPa	27.9”Hg	44NI/min	1.6CFM
				X10-3			68NI/min	2.4CFM
				P12-2	-90kPa	27”Hg	42NI/min	1.5CFM
				P12-3			68NI/min	2.4CFM
				D16-2	-73kPa	22”Hg	40NI/min	1.4CFM

The AGS-N vacuum venturi can be close coupled to a suitable vacuum cup as shown here. This direct coupling capability makes the AGS venturi system ideal for single pick and place decentralized vacuum applications.

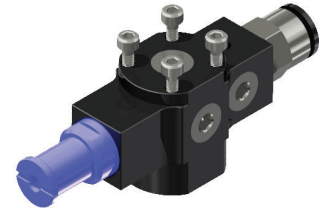
The AGS-N system is available with both 2-stage and 3-stage cartridges.

AGS-N-***-2



AGS-N-***-3





FLOW PERFORMANCE

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AGS-N-S08-2	4.0bar	19NI/min	44	34	22.6	14.4	10.8	6.5	-	-	-	-60kPa
	5.0bar	23NI/min	46	40	29	17.5	13	9.5	6.1	-	-	-70kPa
	6.0bar	27NI/min	46	42	33	23	12	10	8.5	6	-	-75kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AGS-N-S08-3	4.0bar	19NI/min	60	38	24	15	12	7	-	-	-	-60kPa
	5.0bar	23NI/min	66	40	32	19	13.5	10	6.5	-	-	-70kPa
	6.0bar	27NI/min	68	42	36	24	13	10	8.5	6.5	-	-75kPa

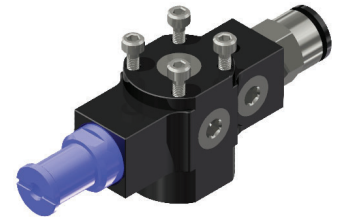
Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AGS-N-X10-2	4.0bar	28NI/min	44	40	28.5	19	11	9.5	7	4.6	2.3	-90kPa
	5.0bar	30NI/min	44	40	31	22	14	9	6.6	4.5	2	-93kPa
	6.0bar	35NI/min	42	40	33	27	19	9.5	6.2	4.6	1.4	-91kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AGS-N-X10-3	4.0bar	28NI/min	64	40	32	18	11.5	10	7.5	5	2.7	-90kPa
	5.0bar	30NI/min	66	40	34	24	14.5	9.5	7	5	2.4	-93kPa
	6.0bar	35NI/min	68	44	34	30	20	11	7	5	1.7	-91kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AGS-N-P12-2	1.7bar	28NI/min	36	19	11	6.6	2.8	-	-	-	-	-43kPa
	2.2bar	30NI/min	38	28	15.5	11	8	4	-	-	-	-58kPa
	3.14bar	35NI/min	42	36	26	15	10.5	9	7	4.2	1.9	-90kPa
	4.0bar	35NI/min	42	38	30	23	15	8	6	4.5	1.1	-88kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AGS-N-P12-3	1.7bar	19NI/min	46	20	11	7	3	-	-	-	-	-43kPa
	2.2bar	23NI/min	52	30	12	8.2	6	3	-	-	-	-58kPa
	3.14bar	29NI/min	62	38	28	10	8	7	5	3	1.4	-90kPa
	4.0bar	35NI/min	68	40	34	24	11.4	6	4.2	3	1.2	-88kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AGS-N-D16-2	6.0bar	46NI/min	40	38	31	27	22	17	12	3.5	-	-72kPa



FLOW PERFORMANCE

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)									Max Vacuum
			0	3	6	9	12	15	18	21	24	
AGS-N-S08-2	60psi	0.2CFM	1.6	1.2	0.8	0.5	0.4	0.2	-	-	-	18"Hg
	75psi	0.2CFM	1.6	1.4	1.0	0.6	0.5	0.3	0.2	-	-	21"Hg
	90psi	0.3CFM	1.6	1.5	1.2	0.8	0.4	0.4	0.3	0.2	-	22.5"Hg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)									Max Vacuum
			0	3	6	9	12	15	18	21	24	
AGS-N-S08-3	60psi	0.7CFM	2.1	1.3	0.8	0.5	0.4	-	-	-	-	18"Hg
	75psi	0.8CFM	2.3	1.4	1.1	0.7	0.5	0.4	-	-	-	21"Hg
	90psi	1.0CFM	2.4	1.5	1.3	0.8	0.5	0.4	0.3	-	-	22.5"Hg

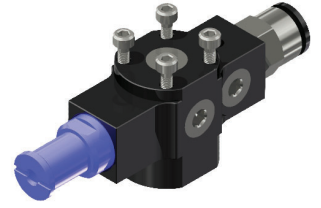
Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)									Max Vacuum
			0	3	6	9	12	15	18	21	24	
AGS-N-X10-2	60psi	1.0CFM	1.6	1.4	1.0	0.7	0.4	0.3	0.2	0.2	0.1	27"Hg
	75psi	1.1CFM	1.6	1.4	1.1	0.8	0.5	0.3	0.2	0.2	0.1	27.9"Hg
	90psi	1.2CFM	1.5	1.4	1.2	1.0	0.7	0.3	0.2	0.2	0.1	27.3"Hg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)									Max Vacuum
			0	3	6	9	12	15	18	21	24	
AGS-N-X10-3	60psi	1.0CFM	2.3	1.4	1.1	0.6	0.4	0.4	0.3	0.2	0.1	27"Hg
	75psi	1.1CFM	2.3	1.4	1.2	0.8	0.5	0.3	0.2	0.2	0.1	27.9"Hg
	90psi	1.2CFM	2.4	1.6	1.2	1.1	0.7	0.4	0.2	0.2	0.1	27.3"Hg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)									Max Vacuum
			0	3	6	9	12	15	18	21	24	
AGS-N-P12-2	25psi	1.0CFM	1.3	0.7	0.4	0.2	0.1	-	-	-	-	12.9"Hg
	33psi	1.1CFM	1.3	1.0	0.5	0.4	0.3	0.1	-	-	-	17.4"Hg
	47psi	1.2CFM	1.5	1.3	0.9	0.5	0.4	0.3	0.2	0.1	0.1	27"Hg
	60psi	1.2CFM	1.5	1.3	1.1	0.8	0.5	0.3	0.2	0.2	0.1	26.4"Hg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)									Max Vacuum
			0	3	6	9	12	15	18	21	24	
AGS-N-P12-3	25psi	0.7CFM	1.6	0.7	0.4	0.2	0.1	-	-	-	-	-43kPa
	33psi	0.8CFM	1.8	1.1	0.4	0.3	0.2	0.1	-	-	-	-58kPa
	47psi	1.0CFM	2.2	1.3	1.0	0.4	0.3	0.2	0.2	0.1	0.1	-90kPa
	60psi	1.2CFM	2.4	1.4	1.2	0.8	0.4	0.2	0.1	0.1	0.1	-88kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)									Max Vacuum
			0	3	6	9	12	15	18	21	24	
AGS-N-D16-2	90psi	1.6CFM	1.4	1.3	1.1	1.0	0.8	0.6	0.4	0.1	-	21.6"Hg



TIME PERFORMANCE

Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels								Max Vacuum
			10	20	30	40	50	60	70	80	
AGS-N-S08-2	4.0bar	19NI/min	0.07	0.25	0.56	1.02	1.9	5.25	-	-	-60kPa
	5.0bar	23NI/min	0.07	0.22	0.47	0.85	1.53	2.4	6.43	-	-70kPa
	6.0bar	27NI/min	0.07	0.2	0.39	0.74	1.35	2.14	3.35	-	-75kPa

Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels								Max Vacuum
			10	20	30	40	50	60	70	80	
AGS-N-S08-3	4.0bar	19NI/min	0.06	0.22	0.53	0.93	1.72	4.61	-	-	-60kPa
	5.0bar	23NI/min	0.06	0.19	0.44	0.83	1.35	2.23	6.33	-	-70kPa
	6.0bar	27NI/min	0.05	0.19	0.38	0.68	1.26	2.08	3.05	-	-75kPa

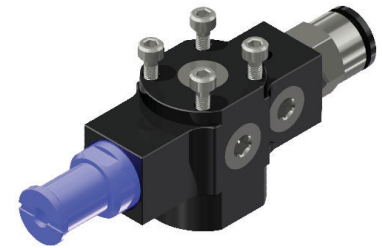
Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels								Max Vacuum
			10	20	30	40	50	60	70	80	
AGS-N-X10-2	4.5bar	28NI/min	0.11	0.27	0.52	0.98	1.65	2.41	3.87	6.2	-60kPa
	5.0bar	30NI/min	0.12	0.27	0.48	0.83	1.49	2.49	3.77	6.19	-70kPa
	6.0bar	35NI/min	0.12	0.26	0.45	0.72	1.21	2.33	3.68	6.35	-75kPa

Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels								Max Vacuum
			10	20	30	40	50	60	70	80	
AGS-N-X10-3	4.5bar	28NI/min	0.06	0.19	0.40	0.76	1.45	2.21	3.49	5.55	-60kPa
	5.0bar	30NI/min	0.05	0.19	0.37	0.66	1.26	2.14	3.45	5.60	-70kPa
	6.0bar	35NI/min	0.05	0.18	0.35	0.59	1.02	2.10	3.31	5.72	-75kPa

Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels								Max Vacuum
			10	20	30	40	50	60	70	80	
AGS-N-P12-2	1.7bar	19NI/min	0.15	0.55	1.26	2.90	-	-	-	-	-43kPa
	2.2bar	23NI/min	0.14	0.37	0.88	1.58	2.78	-	-	-	-58kPa
	3.14bar	29NI/min	0.12	0.29	0.59	1.07	1.86	2.66	4.33	6.72	-90kPa
	4.0bar	35NI/min	0.12	0.26	0.49	0.77	1.50	2.48	3.98	7.05	-88kPa

Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels								Max Vacuum
			10	20	30	40	50	60	70	80	
AGS-N-P12-3	1.7bar	19NI/min	0.13	0.52	1.22	2.75	-	-	-	-	-43kPa
	2.2bar	23NI/min	0.08	0.31	0.70	1.33	2.54	-	-	-	-58kPa
	3.14bar	29NI/min	0.06	0.21	0.45	0.94	1.58	2.40	3.83	6.07	-90kPa
	4.0bar	35NI/min	0.06	0.20	0.38	0.67	1.26	2.36	3.75	6.57	-88kPa

Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels								Max Vacuum
			10	20	30	40	50	60	70	80	
AGS-N-D16-2	6.0bar	46NI/min	0.04	0.18	0.39	0.62	0.95	1.47	3.10	-	-72kPa



TIME PERFORMANCE

Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)								Max Vacuum
			3	6	9	12	15	18	21	24	
AGS-N-S08-2	60psi	0.7CFM	0.07	0.25	0.56	1.02	1.9	5.25	-	-	18"Hg
	75psi	0.8CFM	0.07	0.22	0.47	0.85	1.53	2.4	6.43	-	21"Hg
	90psi	1.0CFM	0.07	0.2	0.39	0.74	1.35	2.14	3.35	-	22.5"Hg

Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)								Max Vacuum
			3	6	9	12	15	18	21	24	
AGS-N-S08-3	60psi	0.7CFM	0.06	0.22	0.53	0.93	1.72	4.61	-	-	18"Hg
	75psi	0.8CFM	0.06	0.19	0.44	0.83	1.35	2.23	6.33	-	21"Hg
	90psi	1.0CFM	0.05	0.19	0.38	0.68	1.26	2.08	3.05	-	22.5"Hg

Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)								Max Vacuum
			3	6	9	12	15	18	21	24	
AGS-N-X10-2	60psi	1.0CFM	0.11	0.27	0.52	0.98	1.65	2.41	3.87	6.2	18"Hg
	75psi	1.1CFM	0.12	0.27	0.48	0.83	1.49	2.49	3.77	6.19	21"Hg
	90psi	1.2CFM	0.12	0.26	0.45	0.72	1.21	2.33	3.68	6.35	22.5"Hg

Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)								Max Vacuum
			3	6	9	12	15	18	21	24	
AGS-N-X10-3	67.5psi	1.0CFM	0.06	0.19	0.40	0.76	1.45	2.21	3.49	5.55	18"Hg
	75psi	1.1CFM	0.05	0.19	0.37	0.66	1.26	2.14	3.45	5.60	21"Hg
	90psi	1.2CFM	0.05	0.18	0.35	0.59	1.02	2.10	3.31	5.72	22.5"Hg

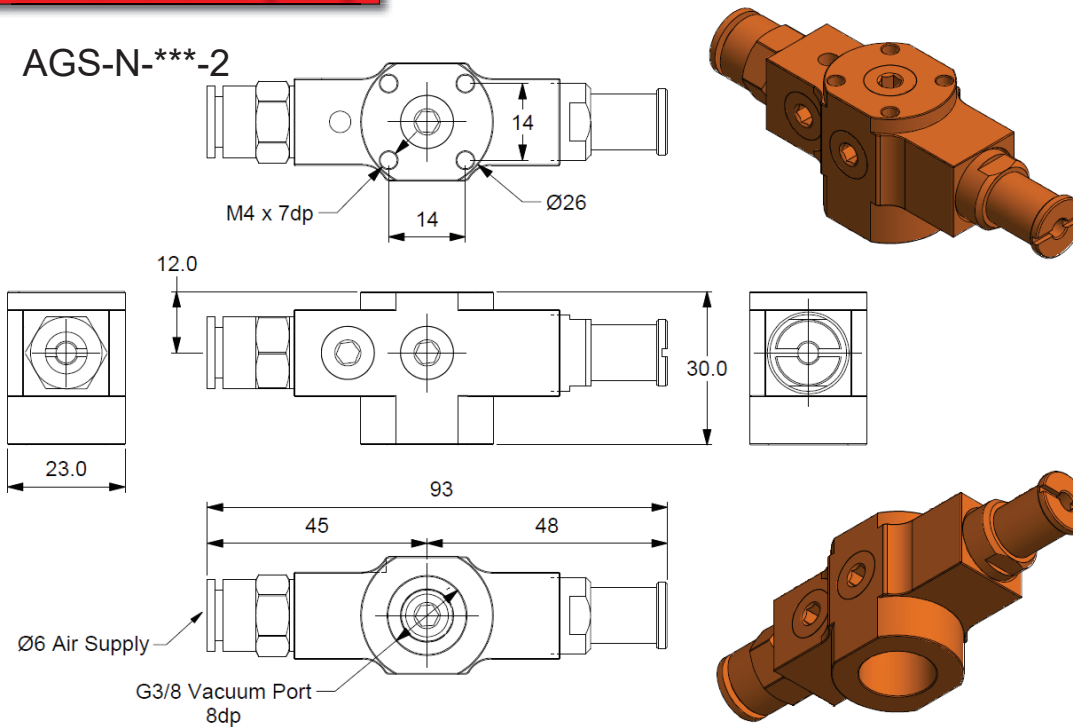
Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)								Max Vacuum
			3	6	9	12	15	18	21	24	
AGS-N-P12-2	26psi	0.7CFM	0.15	0.55	1.26	2.90	-	-	-	-	12.9"Hg
	33psi	0.8CFM	0.14	0.37	0.88	1.58	2.78	-	-	-	17.4"Hg
	47psi	1.0CFM	0.12	0.29	0.59	1.07	1.86	2.66	4.33	6.72	27"Hg
	60psi	1.2CFM	0.12	0.26	0.49	0.77	1.50	2.48	3.98	7.05	26.4"Hg

Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)								Max Vacuum
			3	6	9	12	15	18	21	24	
AGS-N-P12-3	26psi	0.7CFM	0.13	0.52	1.22	2.75	-	-	-	-	12.9"Hg
	33psi	0.8CFM	0.08	0.31	0.70	1.33	2.54	-	-	-	17.4"Hg
	47psi	1.0CFM	0.06	0.21	0.45	0.94	1.58	2.40	3.83	6.07	27"Hg
	60psi	1.2CFM	0.06	0.20	0.38	0.67	1.26	2.36	3.75	6.57	26.4"Hg

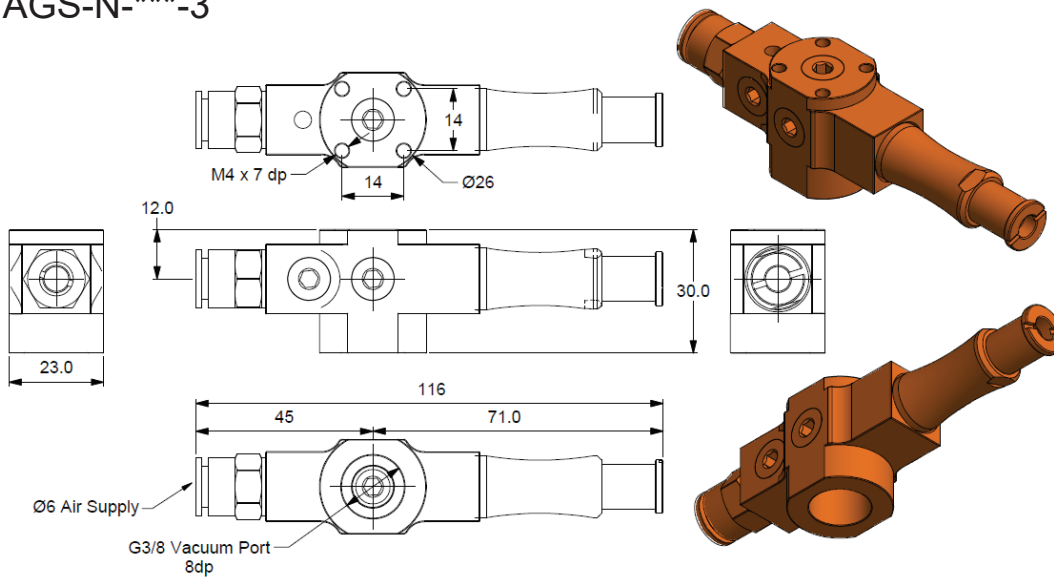
Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)								Max Vacuum
			3	6	9	12	15	18	21	24	
AGS-N-D16-2	90psi	1.6CFM	0.04	0.18	0.39	0.62	0.95	1.47	3.10	-	21.6"Hg

DIMENSIONS (mm)

AGS-N-***-2



AGS-N-***-3

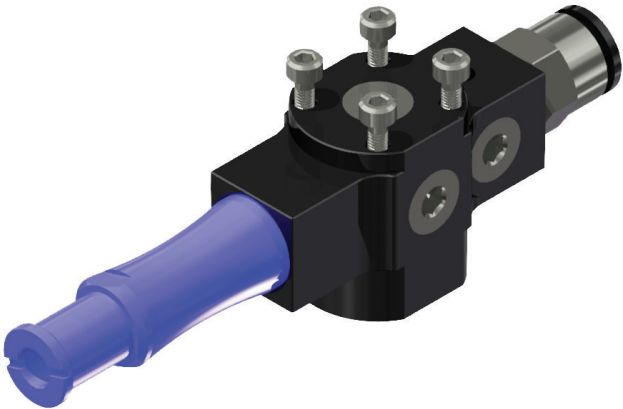


SPARE CARTRIDGES

Generator Model	Spare Venturi Cartridge
AGS-N-S08-2	AS08-2
AGS-N-S08-3	AS08-3
AGS-N-X10-2	AX10-2
AGS-N-X10-3	AX10-3

Generator Model	Spare Venturi Cartridge
AGS-N-P12-2	AP12-2
AGS-N-P12-3	AP12-3
AGS-N-D16-2	AD16-2

- Multi function coaxial cartridge technology
- 44.5mm Overall height (face to cup fitting)
- Compact and lightweight
- Integrated silencer
- Multiple machine mounting options
- Cup can be mounted directly to venturi body



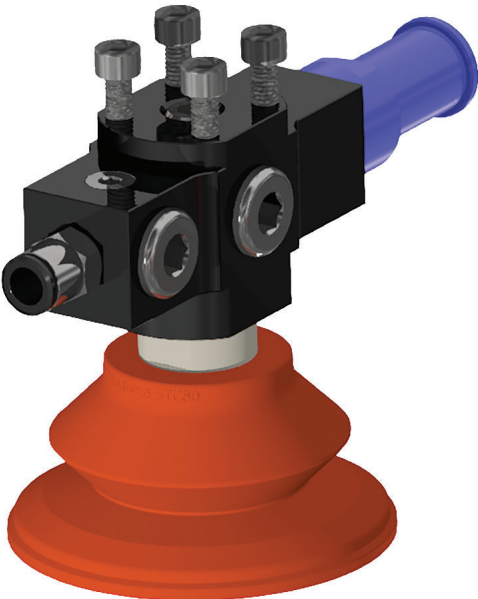
The AGS-D vacuum venturi can be used in de-centralized vacuum systems where the vacuum suction cups can be mounted directly to the venturi body. Inline vacuum venturi where the compressed air connection is in directline tot he exhaust make for a very simplified installation. Optional vacuum ports can be connected to a vacuum sensor or gauge.

AGS		D		S32-2			
Series		Body Type		Venturi Cartridge Performance			
		D	MIDI				
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			
				Venturi Cartridge Performance			

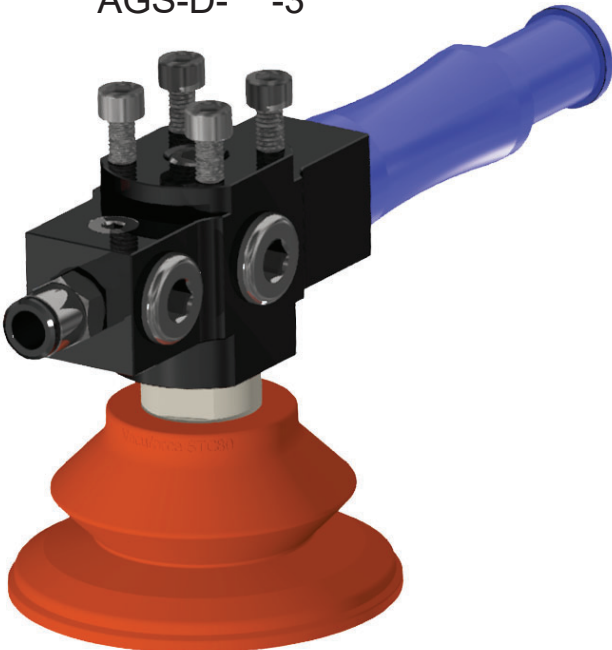
The AGS-D vacuum venturi can be close coupled to a suitable vacuum cup as shown here. This direct coupling capability makes the AGS-D venturi system ideal for single pick and place decentralized vacuum applications.

The AGS-N system is available with both 2-stage and 3-stage cartridges.

AGS-D-***-2



AGS-D-***-3



FLOW PERFORMANCE

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AGS-D-S32-2	4.0bar	120NI/min	172	136	92	60	44	26	11	-	-	-	-60kPa
	5.0bar	125NI/min	180	156	116	72	48	36	27	13	-	-	-70kPa
	6.0bar	130NI/min	130	178	164	134	94	50	38	32	18.3	-	-75kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AGS-D-S32-3	4.0bar	120NI/min	350	152	110	64	50	27	12	-	-	-	-60kPa
	5.0bar	125NI/min	370	185	125	90	50	36	27	14	-	-	-70kPa
	6.0bar	130NI/min	390	210	135	100	65	35	30	18.3	-	-	-75kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AGS-D-X40-2	4.0bar	120NI/min	170	136	100	58	40	36	25	18	12	3	-91kPa
	5.0bar	125NI/min	170	140	106	74	46	34	24	18	11	3	-95kPa
	6.0bar	130NI/min	162	142	116	92	68	40	23	18	9.5	2.3	-94kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AGS-D-X40-3	4.0bar	120NI/min	350	175	120	80	44	33	25	18	12	3.2	-91kPa
	5.0bar	125NI/min	360	190	125	95	65	36	26	18	11	2.8	-95kPa
	6.0bar	130NI/min	380	220	130	105	90	54	26	18	9	2.2	-94kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)										Max Vacuum
			0	3	6	9	12	15	18	21	24	27	
AGS-D-S32-2	60psi	4.2CFM	6.1	4.8	3.3	2.1	1.6	0.9	0.4	-	-	-	18"Hg
	75psi	4.4CFM	6.4	5.5	4.1	2.5	1.7	1.3	1.0	0.5	-	-	21"Hg
	90psi	4.6CFM	4.6	6.3	5.8	4.7	3.3	1.8	1.3	1.1	0.6	-	22.5"Hg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)										Max Vacuum
			0	3	6	9	12	15	18	21	24	27	
AGS-D-S32-3	60psi	4.2CFM	12.4	5.4	3.9	2.3	1.8	1.0	0.4	-	-	-	18"Hg
	75psi	4.4CFM	13.1	6.5	4.4	3.2	1.8	1.3	1.0	0.5	-	-	21"Hg
	90psi	4.6CFM	13.8	7.4	4.8	3.5	2.3	1.2	1.1	0.6	-	-	22.5"Hg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)										Max Vacuum
			0	3	6	9	12	15	18	21	24	27	
AGS-D-X40-2	60psi	4.2CFM	6.0	4.8	3.5	2.0	1.4	1.3	0.9	0.6	0.4	0.1	18"Hg
	75psi	4.4CFM	6.0	4.9	3.7	2.6	1.6	1.2	0.8	0.6	0.4	0.1	21"Hg
	90psi	4.6CFM	5.7	5.0	4.1	3.3	2.4	1.4	0.8	0.6	0.3	0.1	22.5"Hg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)										Max Vacuum
			0	3	6	9	12	15	18	21	24	27	
AGS-D-X40-3	60psi	4.2CFM	12.4	6.2	4.2	2.8	1.6	1.2	0.9	0.6	0.4	0.1	18"Hg
	75psi	4.4CFM	12.7	6.7	4.4	3.4	2.3	1.3	0.9	0.6	0.4	0.1	21"Hg
	90psi	4.6CFM	13.4	7.8	4.6	3.7	3.2	1.9	0.9	0.6	0.3	0.1	22.5"Hg

TIME PERFORMANCE

Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels									Max Vacuum
			10	20	30	40	50	60	70	80	90	
AGS-D-S32-2	4.0bar	120NI/min	0.04	0.08	0.16	0.27	0.47	0.98	-	-	-	-60kPa
	5.0bar	125NI/min	0.04	0.08	0.14	0.25	0.39	0.63	1.17	-	-	-70kPa
	6.0bar	130NI/min	0.04	0.08	0.13	0.21	0.36	0.55	0.86	-	-	-75kPa

Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels									Max Vacuum
			10	20	30	40	50	60	70	80	90	
AGS-D-S32-3	4.0bar	120NI/min	0.03	0.08	0.15	0.26	0.44	0.94	-	-	-	-60kPa
	5.0bar	125NI/min	0.03	0.07	0.13	0.23	0.38	0.61	1.07	-	-	-70kPa
	6.0bar	130NI/min	0.03	0.05	0.10	0.18	0.36	0.56	0.87	-	-	-75kPa

Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels									Max Vacuum
			10	20	30	40	50	60	70	80	90	
AGS-D-X40-2	4.0bar	120NI/min	0.04	0.08	0.15	0.28	0.46	0.66	0.99	1.15	-	-91kPa
	5.0bar	125NI/min	0.04	0.08	0.14	0.24	0.41	0.66	1.02	1.52	3.27	-95kPa
	6.0bar	135NI/min	0.04	0.08	0.14	0.20	0.30	0.57	0.95	1.55	3.70	-94kPa

Model	Supply Pressure	Air Consumption	Evacuation time (s/l) to different vacuum levels									Max Vacuum
			10	20	30	40	50	60	70	80	90	
AGS-D-X40-3	4.0bar	120NI/min	0.03	0.07	0.13	0.23	0.38	0.63	0.97	1.50	3.25	-91kPa
	5.0bar	125NI/min	0.03	0.07	0.14	0.21	0.37	0.62	0.99	1.46	3.23	-95kPa
	6.0bar	135NI/min	0.03	0.05	0.10	0.16	0.27	0.47	0.86	1.45	3.92	-94kPa

Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)									Max Vacuum
			3	6	9	12	15	18	21	24	27	
AGS-D-S32-2	60psi	4.2CFM	1.1	2.2	4.5	7.5	13.1	27.3	-	-	-	18"Hg
	75psi	4.4CFM	1.1	2.2	3.9	7.0	10.9	17.5	32.6	-	-	21"Hg
	90psi	4.6CFM	1.1	2.2	3.6	5.8	10.0	15.3	24.0	-	-	22.5"Hg

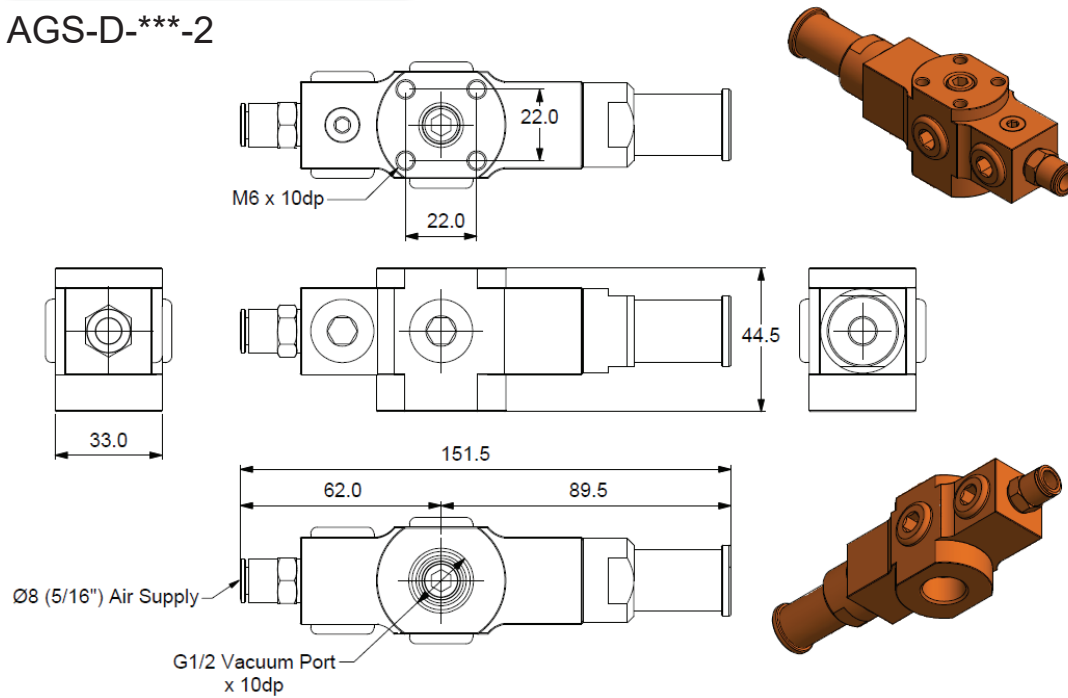
Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)									Max Vacuum
			3	6	9	12	15	18	21	24	27	
AGS-D-S32-3	60psi	4.2CFM	0.8	2.2	4.2	7.2	12.3	26.2	-	-	-	18"Hg
	75psi	4.4CFM	0.8	1.9	3.6	6.4	10.6	17.0	29.8	-	-	21"Hg
	90psi	4.6CFM	0.8	1.4	2.8	5.0	10.0	15.6	24.2	-	-	22.5"Hg

Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)									Max Vacuum
			3	6	9	12	15	18	21	24	27	
AGS-D-X40-2	60psi	4.2CFM	1.1	2.2	4.2	7.8	12.8	18.4	27.6	32.0	-	18"Hg
	75psi	4.4CFM	1.1	2.2	3.9	6.7	11.4	18.4	28.4	42.3	91.1	21"Hg
	90psi	4.6CFM	1.1	2.2	3.9	5.6	8.4	15.9	26.5	43.2	103.0	22.5"Hg

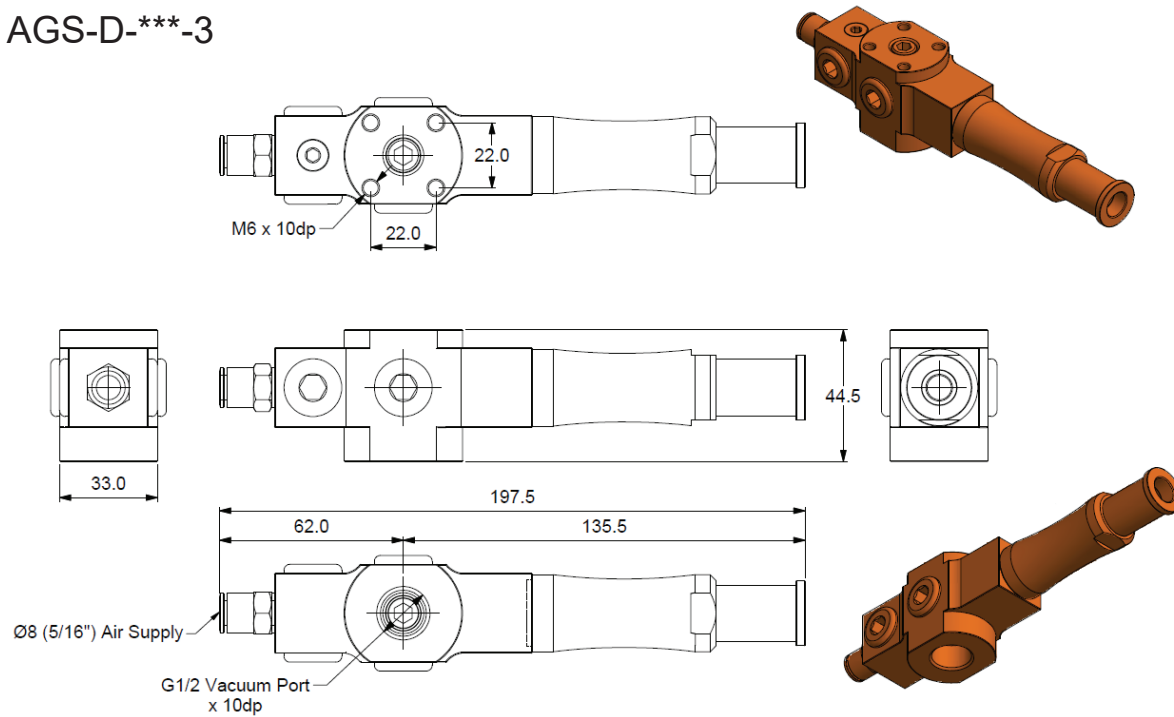
Model	Supply Pressure	Air Consumption	Evacuation time (s/ft³) to different vacuum levels (inHg)									Max Vacuum
			3	6	9	12	15	18	21	24	27	
AGS-D-X40-3	60psi	4.2CFM	0.8	1.9	3.6	6.4	10.6	17.5	27.0	41.8	90.5	18"Hg
	75psi	4.4CFM	0.8	1.9	3.9	5.8	10.3	17.3	27.6	40.7	90.0	21"Hg
	90psi	4.6CFM	0.8	1.4	2.8	4.5	7.5	13.1	24.0	40.4	109.2	22.5"Hg

DIMENSIONS (mm)

AGS-D-***-2



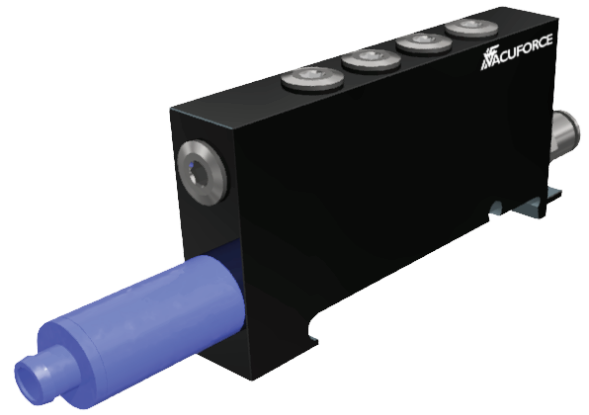
AGS-D-***-3



SPARE CARTRIDGES

Generator Model	Spare Venturi Cartridge
AGS-D-S32-2	AS32-2
AGS-D-S32-3	AS32-3
AGS-D-X40-2	AX40-2
AGS-D-X40-3	AX40-3

- Multi function coaxial cartridge technology
- DIN Rail installation
- Compact and lightweight
- Integrated silencer
- Three cartridge options
- Multiple vacuum ports



AGP - S08-3

Series

Venturi Cartridge Performance

Model	Max Vacuum		Max Flow	
S08-3	-75kPa	22.5"Hg	68NI/min	1.6CFM
X10-3	-93kPa	27.9"Hg	68NI/min	2.4CFM
P12-3	-90kPa	27.0"Hg	68NI/min	1.6CFM

The AGP vacuum venturi can be used in decentralized vacuum systems where the vacuum suction cups can be mounted connected to multiple vacuum ports on the venturi body. Six G1/8 vacuum ports offer the user flexibility in vacuum cup connection.

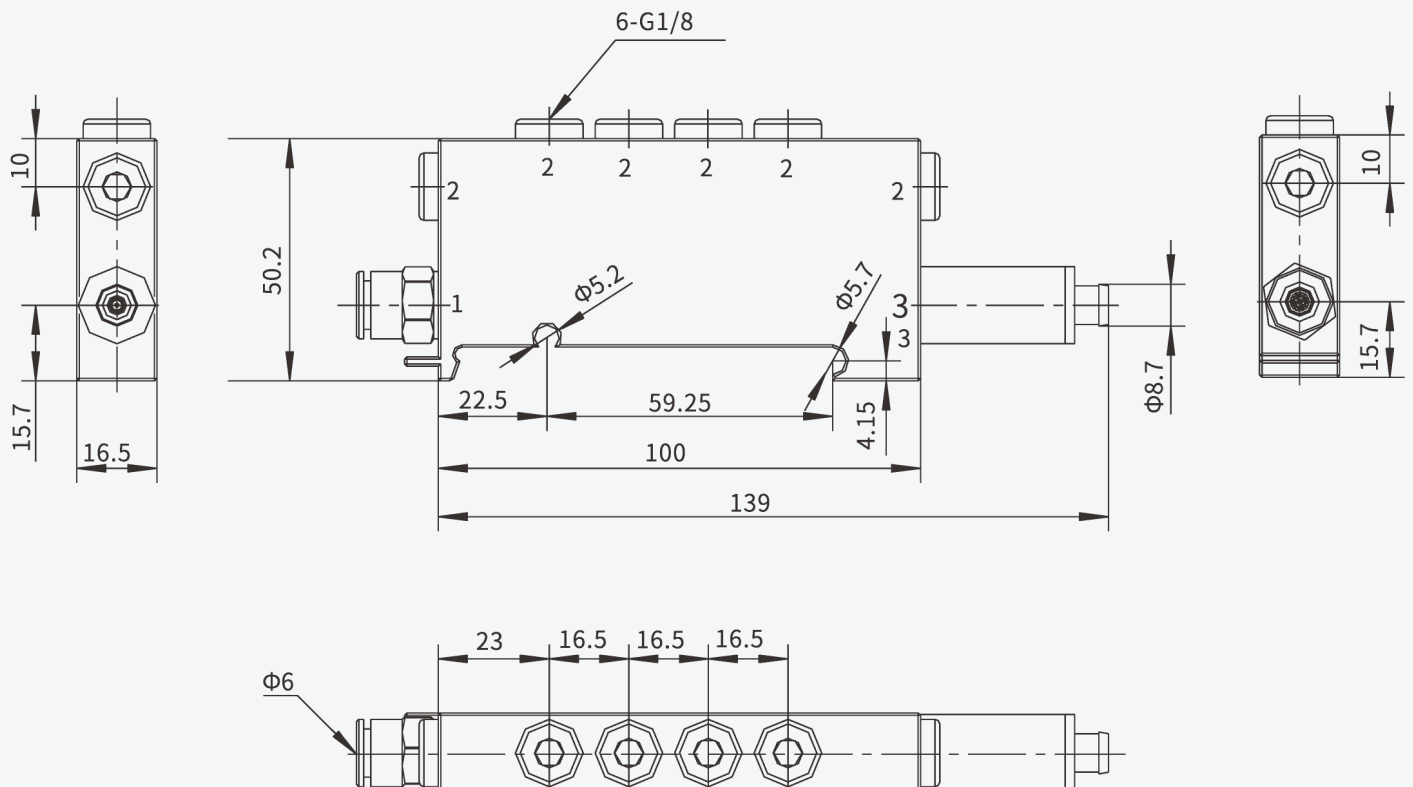
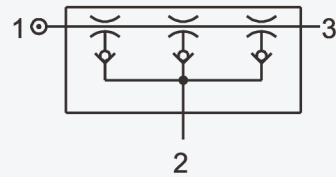
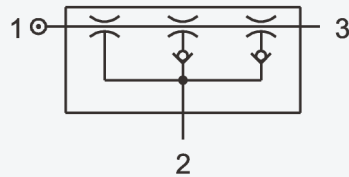
FLOW PERFORMANCE

Model	Supply Pressure	Air Use NI/min	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AGP-S08-3	4.5bar	19	60	38	24	14.9	11.5	6.8	-	-	-	-	-60kPa
	5.0bar	23	66	40	32	19.1	13.3	9.9	6.5	-	-	-	-70kPa
	6.0bar	27	68	42	36	24	13	10.2	8.4	6.3	-	-	-75kPa
AGP-X10-3	4.5bar	27.5	64	40	32	18	11.3	9.7	7.3	4.9	2.7	-	-90kPa
	5.0bar	30	66	40	34	24	14.3	9.3	6.9	4.8	2.4	-	-93kPa
	6.0bar	34.5	68	44	34	30	20	10.5	6.5	4.9	1.7	-	-91kPa
AGP-P12-3	1.7bar	19	46	20	10.5	7	3	-	-	-	-	-	-43kPa
	2.2bar	22.5	52	30	12	8.2	5.8	2.7	-	-	-	-	-58kPa
	3.14bar	29	62	38	28	10	7.7	6.7	4.8	2.9	1.4	-	-90kPa
	4.0bar	35	68	40	34	24	11.4	5.7	4.2	3	1.2	-	-88kPa

Model	Supply Pressure	Air Use NI/min	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)										Max Vacuum
			0	3	6	9	12	15	18	21	24	27	
AGP-S08-3	66psi	0.7	2.1	1.3	0.8	0.5	0.4	0.2	-	-	-	-	18.0
	74psi	0.8	2.3	1.4	1.1	0.7	0.5	0.3	0.2	-	-	-	20.9
	88psi	1.0	2.4	1.5	1.3	0.8	0.5	0.4	0.3	0.2	-	-	22.4
AGP-X10-3	66psi	1.0	2.3	1.4	1.1	0.6	0.4	0.3	0.3	0.2	0.1	-	26.9
	74psi	1.1	2.3	1.4	1.2	0.8	0.5	0.3	0.2	0.2	0.1	-	27.8
	88psi	1.2	2.4	1.6	1.2	1.1	0.7	0.4	0.2	0.2	0.1	-	27.2
AGP-P12-3	25psi	1.6	0.7	0.4	0.2	0.1	-	-	-	-	-	-	12.9
	32psi	1.8	1.1	0.4	0.3	0.2	0.1	-	-	-	-	-	17.4
	46psi	2.2	1.3	1.0	0.4	0.3	0.2	0.2	0.1	0.0	-	-	26.9
	59psi	2.4	1.4	1.2	0.8	0.4	0.2	0.1	0.1	0.0	-	-	26.3

TIME PERFORMANCE

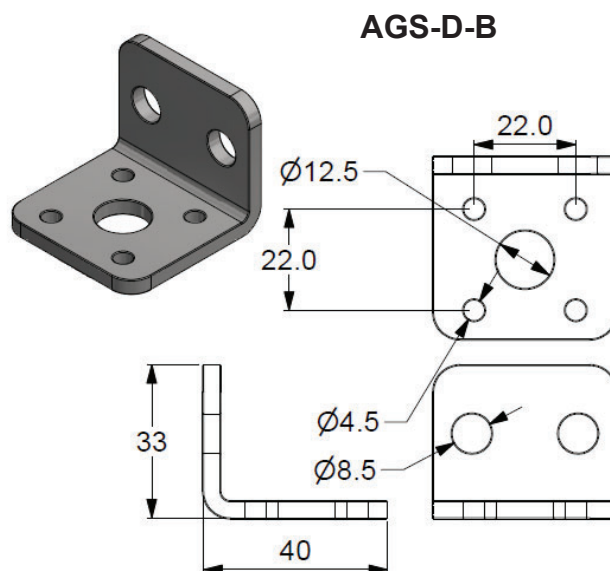
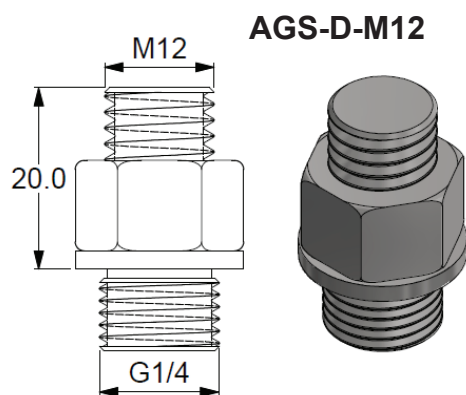
Model	Supply Pressure	Air Use NI/min	Evacuation time (s/ft ³) to different vacuum levels (inHg)									Max Vacuum
			10	20	30	40	50	60	70	80	90	
AGP-S08-3	66psi	0.7	1.7	6.2	14.8	26.0	48.2	129.1	-	-	-	-60kPa
	74psi	0.8	1.7	5.3	12.3	23.2	37.8	62.4	177.2	-	-	-70kPa
	88psi	1.0	1.4	5.3	10.6	19.0	35.3	58.2	85.4	-	-	-75kPa
AGP-X10-3	66psi	1.0	1.7	0.5	11.2	21.3	40.6	61.9	97.7	155.4	-	-60kPa
	74psi	1.1	1.4	5.3	10.4	18.5	35.3	59.9	96.6	156.8	-	-70kPa
	88psi	1.2	1.4	5.0	9.8	16.5	28.6	58.8	92.7	160.2	-	-75kPa
AGP-P12-3	25psi	1.6	3.6	14.6	34.2	77.0	-	-	-	-	-	-60kPa
	32psi	1.8	2.2	8.7	19.6	37.2	71.1	-	-	-	-	-70kPa
	46psi	2.2	1.7	5.9	12.6	26.3	44.2	67.2	107.2	170.0	-	-75kPa
	59psi	2.4	1.7	5.6	10.6	18.8	35.3	66.1	105.0	184.0		



Mounting Options

The AGS-D venturi can be mounted using the four female M4 thread holes on the top of the body. Alternatively the M12 adapter screw shown below, Part Number AGS-D-M12 can be connected to the top of the AGS unit and offer a male M12 bulkhead with locknut.

The bracket, part number AGS-D-B can also be used to mount the venturi to a vertical surface using either the 4 x M4 mounting holes or the M12 fitting, AGS-D-M12.



FEATURES

- Spare vacuum cartridges for the cartridge vacuum venturi
- Can be integrated into OEM machinery design
- Various vacuum flow and vacuum level options
- Multi stage venturi technology
- All composite construction
- Lightweight



APPLICATIONS

- Sheet Metal Industry
- Woodworking
- End of line palletizing
- Robotic end of arm tooling
- Vacuum clamping tools

CARTRIDGE

AS32-3

V

F

Venturi Model		Non Return Valve		NRV Material	
MICRO	AS02-2		No Valve		NBR
	AX2.5-2	V	Non Return Valve	F	Flourocarbon
	AT05-2				
MINI	AS08-2 / AS08-03				
	AX10-2 / AX10-3				
	AP12-2 / AP12-3				
	AD16-2				
MIDI	AS32-2 / AS32-3				
	AX40-2 / AX40-3				



CARTRIDGE HOLDER

Model	Fits Cartridge Model		
HC	AS02-2	AX2.5-2	AT05-2
HN-2	AS08-2	AX10-2	AP12-2 AP12-3 AD16-2
HN-3	AS08-3	AX10-3	
HD-2	AS32-2	AX40-2	
HD-3	AS32-3	AX40-3	





PERFORMANCE

Model		Supply Pressure bar(g)	Max Vacuum -kPa	Vacuum Flow NI/min	Air Use NI/ min	Noise Level dB(A)	Hose ID Recommended (mm)	
							Supply	Vacuum
MICRO	AS02-2	4-6	75	16.9	8.0	70	2.5	4.0
	AX2.5-2	4.5-6	92	17.2	10.5	72		
	AT05-2	4-6	85	19.5	21.5	78		
MINI	AS-08-2		75	46	27.0	62	4.0	6.0
	AS08-3		75	68		68		
	AX10-2	4.5-6	94	44	34.5	78		
	AX10-3		94	68		74		
	AP12-2	1.7-4	90	42	33.0	68		
	AP12-3		90	68		71		
	AD16-2	6	73	40	46.0	77		
MIDI	AS32-2	4-6	75	178	130.0	82	6.0	12.0
	AS32-3		75	360		82		
	AX40-2	4.5-6	95	170	135.0	89		
	AX40-3		95	372		89		

Model		Supply Pressure psi(g)	Max Vacuum inHg	Vacuum Flow CFM	Air Use CFM	Noise Level dB(A)	Hose ID Recommended (mm)	
							Supply	Vacuum
MICRO	AS02-2	60-90	22.5	0.60	0.28	70	3/32	5/32
	AX2.5-2	68-90	27.6	0.61	0.37	72		
	AT05-2	60-90	25.5	0.69	0.76	78		
MINI	AS-08-2		22.5	1.63	0.95	62	5/32	1/4
	AS08-3		22.5	2.40	0.95	68		
	AX10-2	68-90	28.2	1.55	1.22	78		
	AX10-3		28.2	2.40	1.22	74		
	AP12-2	25.5-60	27	1.48	1.17	68		
	AP12-3		27	2.40	1.17	71		
	AD16-2	90	21.9	1.41	1.63	77		
MIDI	AS32-2	60-90	22.5	6.29	4.59	82	1/4	1/2
	AS32-3		22.5	12.72	4.59	82		
	AX40-2	68-90	28.5	6.01	4.77	89		
	AX40-3		28.5	13.15	4.77	89		

FLOW PERFORMANCE NI/min

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)							Max Vacuum
			0	10	20	30	40	50	60	
AS02-2	4.0bar	6.0NI/min	14.2	8.1	5.2	3.8	2.2	-	-	-57kPa
	5.0bar	7.0NI/min	15.7	10.0	5.5	4.5	3.4	2.2	-	-70kPa
	6.0bar	8.0NI/min	16.9	12.2	6.3	4.6	3.9	3.0	2.0	-75kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)							Max Vacuum
			0	10	20	30	40	50	60	
AX2.5-2	4.5bar	6.0NI/min	14.9	9.9	4.8	4.1	3.3	2.6	1.7	-89kPa
	5.0bar	7.0NI/min	15.6	11.6	6.6	4	3.3	2.6	1.7	-91kPa
	6.0bar	8.0NI/min	17.2	14.2	9.3	4.5	3.3	2.3	1.4	-90kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)								Max Vacuum
			0	10	20	30	40	50	60	70	
AT05-2	4.0bar	16.0NI/min	19.5	17.7	13.5	9.0	6.1	5.0	3.3	1.8	-84kPa
	6.0bar	21.5NI/min	18.7	17.4	15.1	13.1	9.7	6.0	2.7	1.8	-75kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)								Max Vacuum
			0	10	20	30	40	50	60	70	
AS08-2	4.0bar	19.0NI/min	44	34	22.6	14.4	10.8	6.4	-	-	-60kPa
	5.0bar	23.0NI/min	46	40	28.5	17.3	12.8	9.5	6.1	-	-70kPa
	6.0bar	27.0NI/min	46	42	32.6	22.6	12	9.8	8.3	5.9	-75kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)								Max Vacuum
			0	10	20	30	40	50	60	70	
AS08-3	4.0bar	19.0NI/min	60	38	24	14.9	11.5	6.8	-	-	-60kPa
	5.0bar	23.0NI/min	66	40	32	19.1	13.3	9.9	6.5	-	-70kPa
	6.0bar	27.0NI/min	68	42	36	24	13	10.2	8.4	6.3	-75kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AX10-2	4.0bar	27.5NI/min	44	40	38.4	18.8	10.7	9.4	6.9	4.6	2.3	-91kPa
	5.0bar	30.0NI/min	44	40	30.6	22.2	13.5	8.9	6.6	4.5	2	-94kPa
	6.0bar	34.5NI/min	42	40	33	26.9	18.7	9.4	6.2	4.6	1.4	-93kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AX10-3	4.0bar	27.5NI/min	64	40	32	18	11.3	9.7	7.3	4.9	2.7	-91kPa
	5.0bar	30.0NI/min	66	40	34	24	14.3	9.3	6.9	4.8	2.4	-94kPa
	6.0bar	34.5NI/min	68	44	34	30	20	10.5	6.5	4.9	1.7	-93kPa

FLOW PERFORMANCE NI/min

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AP12-2	1.7bar	19.0NI/min	36.0	19.0	10.5	6.6	2.8	-	-	-	-	-43kPa
	2.2bar	22.5NI/min	38.0	28.0	15.5	11.0	7.7	3.8	-	-	-	-58kPa
	3.14bar	29.0NI/min	42.0	36.0	25.6	14.9	10.4	8.9	6.6	4.2	1.9	-90kPa
	4.0bar	33.0NI/min	42.0	38.0	30.0	23.0	15.0	8.0	5.9	4.3	1.1	-88kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AP12-3	1.7bar	19.0NI/min	46.0	19.8	10.5	7.0	3.0	-	-	-	-	-43kPa
	2.2bar	22.5NI/min	52.0	30.0	12.0	8.2	5.8	2.7	-	-	-	-58kPa
	3.14bar	29.0NI/min	62.0	38.0	28.0	10.0	7.7	6.7	4.8	2.9	1.4	-90kPa
	4.0bar	33.0NI/min	68.0	40.0	34.0	24.0	11.4	5.7	4.2	3.0	1.2	-88kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)								Max Vacuum
			0	10	20	30	40	50	60	70	
AP16-2	6.0bar	33.0NI/min	40.0	38.0	30.5	26.7	22.0	17.0	12.0	3.5	-72kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)								Max Vacuum
			0	10	20	30	40	50	60	70	
AS32-2	4.0bar	120NI/min	172.0	136.0	92.0	60.0	44.0	26.2	10.5	-	-60kPa
	5.0bar	125NI/min	180.0	156.0	116.0	72.0	48.0	36.0	26.9	12.8	-70kPa
	6.0bar	130NI/min	178.0	164.0	134.0	94.0	50.0	38.0	32.0	18.3	-75kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)								Max Vacuum
			0	10	20	30	40	50	60	70	
AS32-3	4.0bar	120NI/min	350.0	152.0	110.0	64.0	50.0	26.7	11.5	-	-60kPa
	5.0bar	125NI/min	370.0	185.0	125	90	50	36.2	27.3	13.9	-70kPa
	6.0bar	130NI/min	390.0	210.0	135.0	100.0	65.0	35.1	30.3	18.3	-75kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AX40-2	4.5bar	120NI/min	170.0	136.0	100.0	58.0	40.0	36.0	25.0	17.8	11.7	3.1	-91kPa
	5.0bar	125NI/min	170.0	140.0	106	74	46	34	24	17.6	10.8	2.9	-95kPa
	6.0bar	130NI/min	162.0	142.0	116.0	92.0	68.0	40.0	22.5	17.8	9.4	2.3	-94kPa

Model	Supply Pressure	Air Use	Vacuum Flow Rates (NI/min) at Different Vacuum Levels (-kPa)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AX40-3	4.5bar	120NI/min	350.0	175.0	120.0	80.0	44.0	32.7	24.5	17.8	11.6	3.2	-91kPa
	5.0bar	125NI/min	360.0	190.0	125	95	65	36	26	17.6	10.8	2.8	-95kPa
	6.0bar	130NI/min	380.0	220.0	130.0	105.0	90.0	54.0	26.0	17.8	9.3	2.2	-94kPa

FLOW PERFORMANCE CFM

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)							Max Vacuum
			0	3	6	9	12	15	18	
AS02-2	60psi	0.21CFM	0.50	0.29	0.18	0.13	0.08	-	-	18inHg
	75psi	0.25CFM	0.55	0.35	0.19	0.16	0.12	0.08	-	21inHg
	90psi	0.28CFM	0.60	0.43	0.22	0.16	0.14	0.11	0.07	22.5inHg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)							Max Vacuum
			0	3	6	9	12	15	18	
AX2.5-2	60psi	0.32CFM	0.53	0.35	0.17	0.14	0.12	0.09	0.06	26.7inHg
	75psi	0.34CFM	0.55	0.41	0.23	0.14	0.12	0.09	0.06	27.3inHg
	90psi	0.37CFM	0.61	0.50	0.33	0.16	0.12	0.08	0.05	27.0inHg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)								Max Vacuum
			0	3	6	9	12	15	18	21	
AT05-2	60psi	0.57CFM	0.69	0.63	0.48	0.32	0.22	0.18	0.12	0.06	25.2inHg
	90psi	0.76CFM	0.66	0.61	0.53	0.46	0.34	0.21	0.10	0.06	22.5inHg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)								Max Vacuum
			0	10	20	30	40	50	60	70	
AS08-2	60psi	0.67CFM	1.55	1.20	0.80	0.51	0.38	0.23	-	-	18inHg
	75psi	0.81CFM	1.63	1.41	1.01	0.61	0.45	0.34	0.22	-	21inHg
	90psi	0.95CFM	1.63	1.48	1.15	0.80	0.42	0.35	0.29	0.21	22.5inHg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)								Max Vacuum
			0	10	20	30	40	50	60	70	
AS08-3	60psi	0.67CFM	2.12	1.34	0.85	0.53	0.41	0.24	-	-	18inHg
	75psi	0.81CFM	2.33	1.41	1.13	0.67	0.47	0.35	0.23	-	21inHg
	90psi	0.95CFM	2.40	1.48	1.27	0.85	0.46	0.36	0.30	0.22	22.5inHg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AX10-2	60psi	0.97CFM	1.55	1.41	1.36	0.66	0.38	0.33	0.24	0.16	0.08	27.3inHg
	75psi	1.06CFM	1.55	1.41	1.08	0.78	0.48	0.31	0.23	0.16	0.07	28.2inHg
	90psi	1.22CFM	1.48	1.41	1.17	0.95	0.66	0.33	0.22	0.16	0.05	27.9inHg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AX10-3	60psi	0.97CFM	2.26	1.41	1.13	0.64	0.40	0.34	0.26	0.17	0.10	27.3inHg
	75psi	1.06CFM	2.33	1.41	1.20	0.85	0.51	0.33	0.24	0.17	0.08	28.2inHg
	90psi	1.22CFM	2.40	1.55	1.20	1.06	0.71	0.37	0.23	0.17	0.06	27.9inHg

FLOW PERFORMANCE CFM

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AP12-2	25.5psi	0.67CFM	1.27	0.67	0.37	0.23	0.10	-	-	-	-	12.9inHg
	33.0psi	0.80CFM	1.34	0.99	0.55	0.39	0.27	0.13	-	-	-	17.4inHg
	47.0psi	1.02CFM	1.48	1.27	0.90	0.53	0.37	0.31	0.23	0.15	0.07	27.0inHg
	60.0psi	1.17CFM	1.48	1.34	1.06	0.81	0.53	0.28	0.21	0.15	0.04	26.4inHg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)									Max Vacuum
			0	10	20	30	40	50	60	70	80	
AP12-3	25.5psi	0.67CFM	1.63	0.70	0.37	0.25	0.11	-	-	-	-	12.9inHg
	33.0psi	0.80CFM	1.84	1.06	0.42	0.29	0.20	0.10	-	-	-	17.4inHg
	47.0psi	1.02CFM	2.19	1.34	0.99	0.35	0.27	0.24	0.17	0.10	0.05	27.0inHg
	60.0psi	1.17CFM	2.40	1.41	1.20	0.85	0.40	0.20	0.15	0.11	0.04	26.4inHg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)								Max Vacuum
			0	10	20	30	40	50	60	70	
AP16-2	90psi	1.63NI/min	1.41	1.34	1.08	0.94	0.78	0.60	0.42	0.12	21.6inHg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)								Max Vacuum
			0	10	20	30	40	50	60	70	
AS32-2	60psi	4.24CFM	6.08	4.81	3.25	2.12	1.55	0.93	0.37	-	18inHg
	75psi	4.42CFM	6.36	5.51	4.10	2.54	1.70	1.27	0.95	0.45	21inHg
	90psi	4.59CFM	6.29	5.80	4.74	3.32	1.77	1.34	1.13	0.65	22.5inHg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)								Max Vacuum
			0	10	20	30	40	50	60	70	
AS32-3	60psi	4.24CFM	12.37	5.37	3.89	2.26	1.77	0.94	0.41	-	18inHg
	75psi	4.42CFM	13.08	6.54	4.42	3.18	1.77	1.28	0.96	0.49	21inHg
	90psi	4.59CFM	13.78	7.42	4.77	3.53	2.30	1.24	1.07	0.65	22.5inHg

Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AX40-2	4.5bar	4.24CFM	6.01	4.81	3.53	2.05	1.41	1.27	0.88	0.63	0.41	0.11	27.3inHg
	5.0bar	4.42CFM	6.01	4.95	3.75	2.62	1.63	1.20	0.85	0.62	0.38	0.10	28.5inHg
	6.0bar	4.59CFM	5.73	5.02	4.10	3.25	2.40	1.41	0.80	0.63	0.33	0.08	28.2inHg

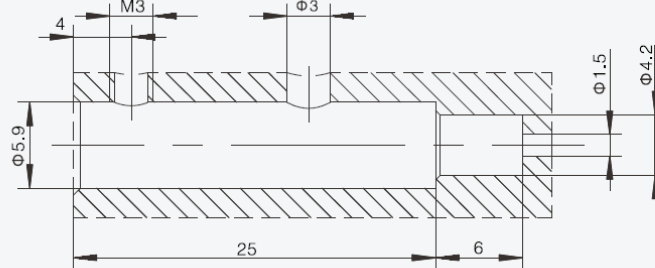
Model	Supply Pressure	Air Use	Vacuum Flow Rates (cfm) at Different Vacuum Levels (inHg)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AX40-3	4.5bar	4.24CFM	12.37	6.18	4.24	2.83	1.55	1.16	0.87	0.63	0.41	0.11	27.3inHg
	5.0bar	4.42CFM	12.72	6.71	4.42	3.36	2.30	1.27	0.92	0.62	0.38	0.10	28.5inHg
	6.0bar	4.59CFM	13.43	7.77	4.59	3.71	3.18	1.91	0.92	0.63	0.33	0.08	28.2inHg

DIMENSIONS (mm)

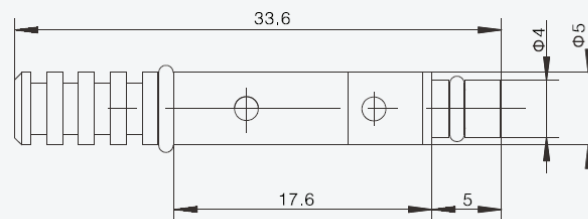
Dimensions of Cartridge and OEM Cavity

AS02-2
AX2.5-2
AT05-2

OEM Cavity

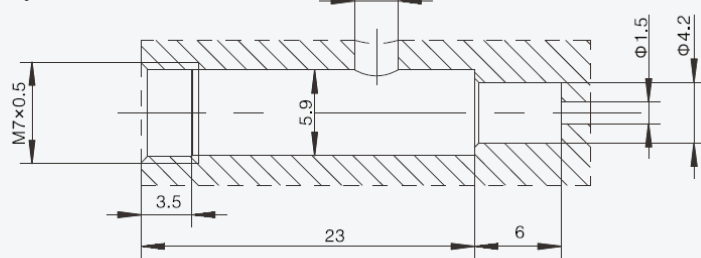


Cartridge

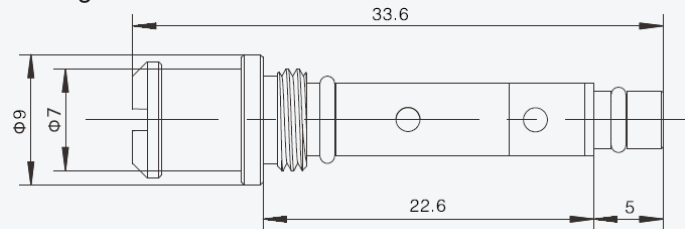


AS02-2-H
AX2.5-2-H
AT05-2-H

OEM Cavity

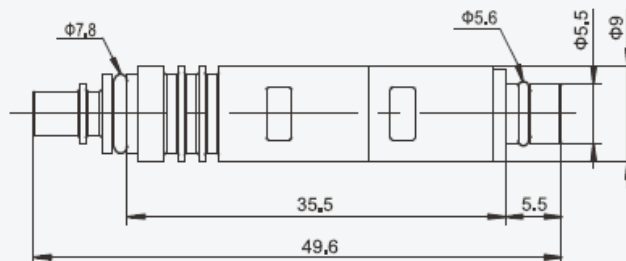


Cartridge & Holder



AS08-2
AX10-2
AP12-2
AD16-2

Cartridge

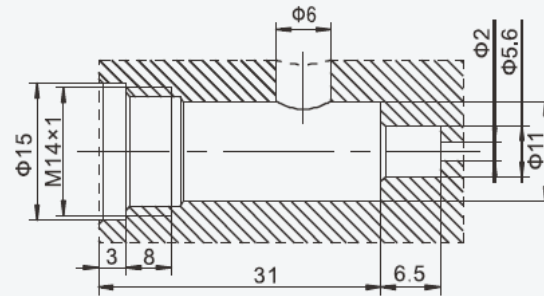


DIMENSIONS (mm)

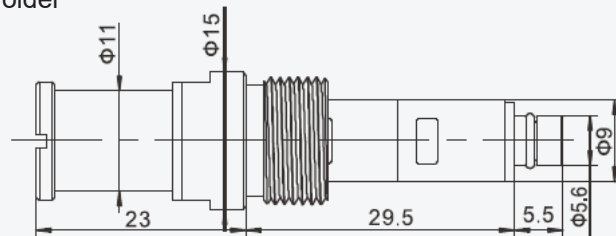
Dimensions of Cartridge and OEM Cavity

AS08-2-H
AX10-2-H
AP12-2-H
AD16-2-H

OEM Cavity

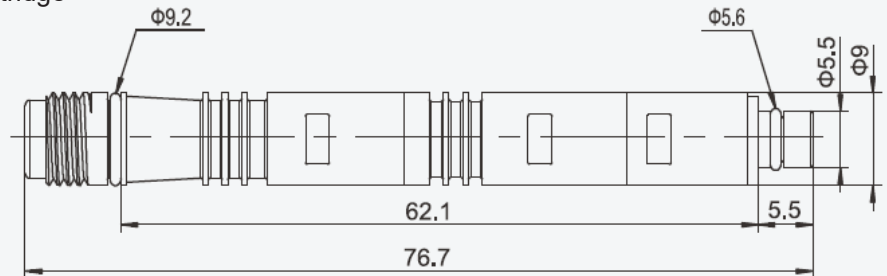


Cartridge & Holder



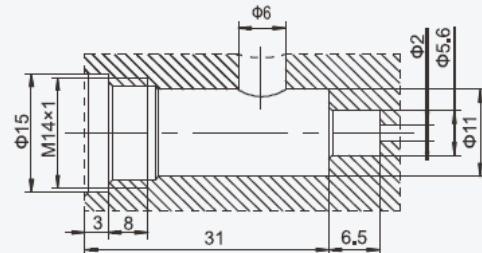
AS08-3
AX10-3
AP12-3

Cartridge

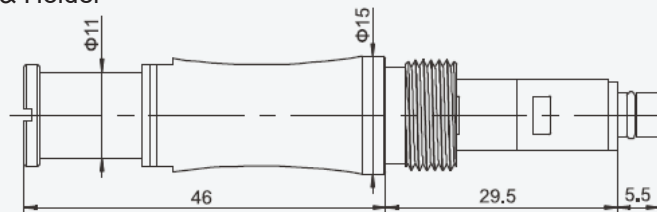


AS08-3-H
AX10-3-H
AP12-3-H

OEM Cavity



Cartridge & Holder



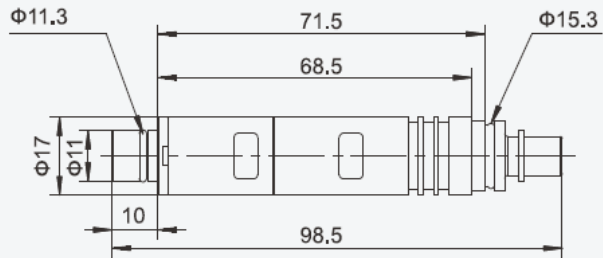
DIMENSIONS (mm)

Dimensions of Cartridge and OEM Cavity

AS32-2

AX40-2

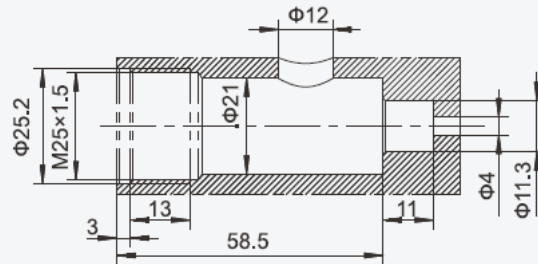
Cartridge



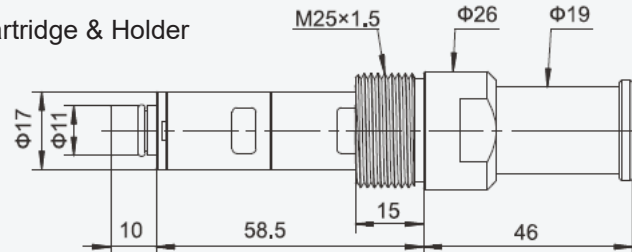
AS32-2-H

AX40-2-H

OEM Cavity



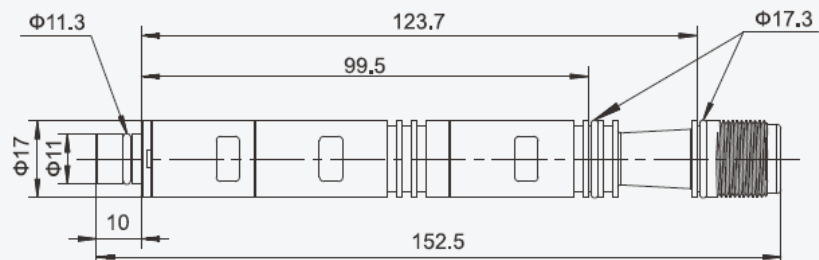
Cartridge & Holder



AS32-3

AX40-3

Cartridge

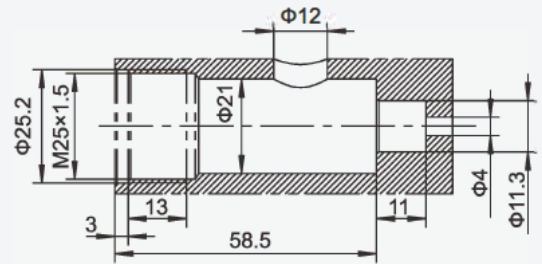


DIMENSIONS (mm)

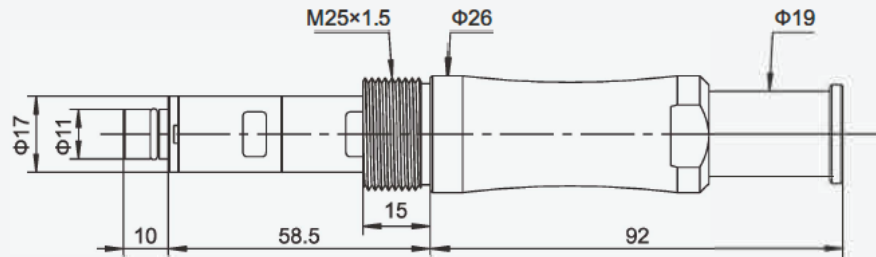
Dimensions of Cartridge and OEM Cavity

AS32-3-H
AX40-3-H

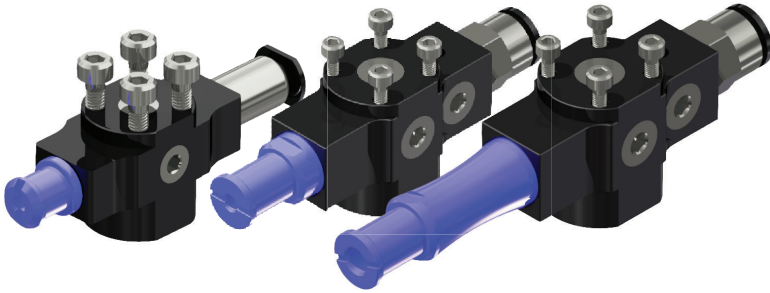
OEM Cavity



Cartridge & Holder



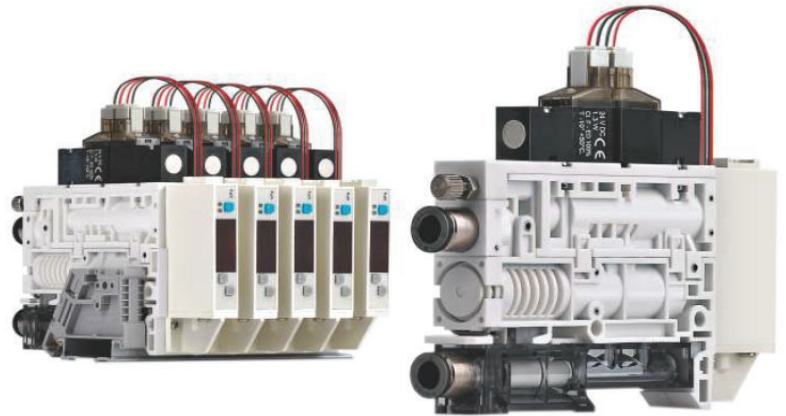
COMPETITOR CROSS OVERS



Vacuum Generators	
Competitor Model #	Vacuforce Equivalent
VGS3010.AG.00.BA	AD16-2
VGS2010.AN.00.BA	AGS-C-S02-2
VGS2010.AJ.00.BA	AGS-C-T05-2
VGS5010.AF.00.BA	AGS-C-X2.5-2
VGS5010.AG.00.BA	AGS-D-S32-2
VGS5010.AJ.00.BA	AGS-D-S32-3
VGS5010.AK.00.BA	AGS-D-X40-2
VGS3010.AN.00.BA	AGS-D-X40-3
VGS3010.AB.00.BA	AGS-N-D16-2
VGS3010.AC.00.BA	AGS-N-P12-2
VGS3010.AF.00.BA	AGS-N-P12-3
VGS3010.AG.00.BA	AGS-N-S08-2
VGS3010.AJ.00.BA	AGS-N-S08-3
VGS3010.AK.00.BA	AGS-N-X10-2
VGS3010.AK.00.BA	AGS-N-X10-3

Cartridges	
Competitor Model #	Vacuforce Equivalent
Pi12-2 and 01.06.923	AP12-2
Pi12-2 and 01.06.963	AP12-2-V
Pi12-3 and 01.06.895	AP12-3
Pi12-3 and 01.06.956	AP12-3-V
Si02-2 and 01.13.591	AS02-2
Si08-2 and 01.13.583	AS08-2
Si08-2 and 01.13.587	AS08-2-V
Si08-3 and 01.13.214	AS08-3
Si08-3 and 01.13.575	AS08-3-V
Si32-2 and 01.07.124	AS32-2
Si32-2 and 01.07.124	AS32-2-F
Si32-2 and 01.07.709	AS32-2-V
Si32-2 and 01.07.709	AS32-2-V-F
Pi12-2 and 01.07.053	AS32-3
Si32-3 and 01.06.937	AS32-3-F
Si32-3 and 01.07.713	AS32-3-V
Si32-3 and 01.22.176	AS32-3-V-F
Ti05-2 and 01.23.098	AT05-2
Xi10-2 and 01.20.284	AX10-2
Xi10-2 and 01.20.280	AX10-2-V
Xi10-3 and 01.20.286	AX10-3
Xi10-3 and 01.20.289	AX10-3-V
Xi2.5-2 and 01.20.283	AX2.5-2
Xi40-2 and 01.18.747	AX40-2
Xi40-2 and 01.18.747	AX40-2-F
Xi40-2 and 01.18.748	AX40-2-V
Xi40-2 and 01.18.748	AX40-2-V-F
Xi40-3 and 01.18.724	AX40-3
Xi40-3 and 01.24.794	AX40-3-F
Xi40-3 and 01.18.725	AX40-3-V
Xi40-3 and 01.24.796	AX40-3-V-F

- Multi-function vacuum generator technology
- Lightweight and compact
- Integrated vacuum inlet filter
- Integrated silencer
- Integrated solenoid valves
- Transparent filter body for ease of inspection
- DIN Rail C45 Mountable



Normally Closed Operation

Normally CLOSED means that the vacuum is OFF until power is applied to the vacuum on/off valve.

The AZK series of multi function vacuum generators offer the user a true solution in vacuum pick and place technology. Having integral control valves for both vacuum on/off and compressed air release, the AZK series are ideal for high speed packaging lines, steel stamping, pharmaceutical and any other application where “turn key” vacuum generation is required.

The single modules can be mounted via the internal through holes or a base mounting bracket. Single or multiple assemblies can be DIN rail mounted also.

AZK	S	X8	G	J	N	F					
Series	Model Type		Venturi #		Silencer	Control Valves		Sensor		Mounting	
D	-71kPa		Single Unit			NC Supply NC Release		No Sensor		No Bracket	
P	-90kPa	2	2 Units					N	NPN	F	Bracket (single module only)
S	-75kPa	3	3 Units					P	PNP		
X	-94kPa	4	4 Units		J	NC Supply No Release Valve		NE	NPN + Energy Saving	D	DIN Rail Mount
		5	5 Units								
		6	6 Units								
		7	7 Units								
		8	8 Units					PE	PNP + Energy Saving		

Ordering Example

AZK-P-X3-NE-D

Series P venturi, 3 units mounted together, with an internal silencer, with control valves for air supply and blow off, including an NPN energy saving circuit sensor and with DIN rail mount.

PERFORMANCE

Model	Max Vacuum	Vacuum Flow l/min / CFM	Supply Pressure	Max Air Consumption l/min / CFM	Max Noise Level	Weight without & with sensor
AZK-D	-71kPa / 21"Hg	44 / 1.34	6bar / 90psi	47 / 1.66	65dB(A)	88.5g / 102.5g
AZK-P	-94kPa / 28"Hg	40 / 1.41	>4bar / 60psi	32 / 1.13		
AZK-S	-75kPa / 23"Hg	44 / 1.55	4-6bar / 60-90psi	26 / 0.9		
AZK-X	-94kPa / 28"Hg	41 / 1.45	4.5-6bar / 66-90psi	32 / 1.13		

FLOW PERFORMANCE

Model	Supply Pressure	Vacuum Flow Rates (nl/min) at Different Vacuum Levels (-kPa)							Max Vacuum
		0	10	20	30	40	50	60	
AZK-D	6bar	38	35	31	26	19	13	9	-71kPa

Model	Supply Pressure	Vacuum Flow Rates (nl/min) at Different Vacuum Levels (-kPa)								Max Vacuum
		0	10	20	30	40	50	60	70	
AZK-P	2bar	30	20	12	8.5	4.6	-	-	-	-60kPa
	3bar	36	29	20	13	10	9	6	3	-89kPa
	4bar	40	35	25	18	11	8	5.5	4	-90kPa

Model	Supply Pressure	Vacuum Flow Rates (nl/min) at Different Vacuum Levels (-kPa)								Max Vacuum
		0	10	20	30	40	50	60	70	
AZK-S	4bar	41	30	20	14.5	10	5.5	3	-	-60kPa
	5bar	44	34	25	15.5	13	9	6	-	-70kPa
	6bar	44	38	32	22	12	10	9	4	-75kPa

Model	Supply Pressure	Vacuum Flow Rates (nl/min) at Different Vacuum Levels (-kPa)								Max Vacuum
		0	10	20	30	40	50	60	70	
AZK-X	4bar	40	34	25	15	12	9.5	7	4.5	-92kPa
	5bar	41	36	26	14	11	9.5	6.5	4.6	-93kPa
	6bar	39	38	30	22.5	15	8.5	6.5	4.6	-94kPa

TIME PERFORMANCE

Model	Supply Pressure	Time to Evacuate a Volume (s/l) to Specific Vacuum Levels (-kPa)							Max Vacuum
		10	20	30	40	50	60	70	
AZK-D	6bar	0.01	0.14	0.35	0.67	1.15	1.85	-	-71kPa

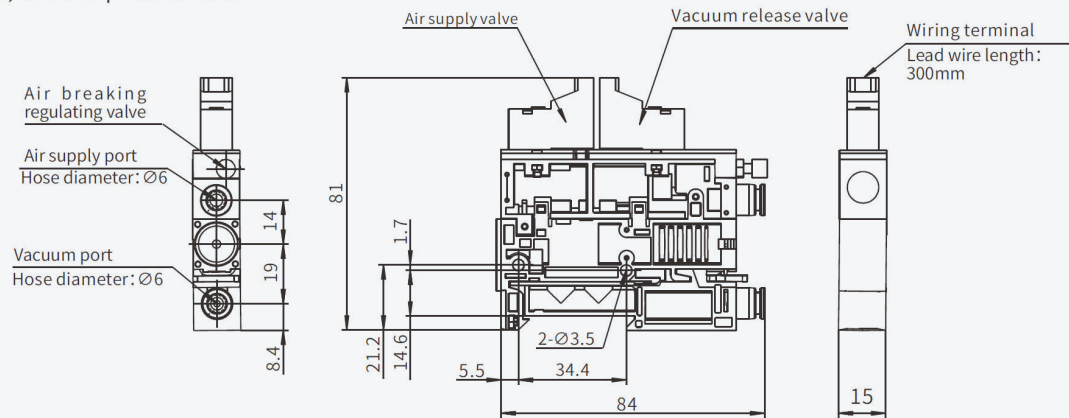
Model	Supply Pressure	Time to Evacuate a Volume (s/l) to Specific Vacuum Levels (-kPa)							Max Vacuum
		10	20	30	40	50	60	70	
AZK-P	2bar	0.11	0.48	1.07	2.02	4.78	-	-	-60kPa
	3bar	0.08	0.25	0.67	1.25	1.93	2.9	4.44	-89kPa
	4bar	0.05	0.3	0.71	1.26	1.95	2.97	4.49	-90kPa

Model	Supply Pressure	Time to Evacuate a Volume (s/l) to Specific Vacuum Levels (-kPa)							Max Vacuum
		10	20	30	40	50	60	70	
AZK-S	4bar	-	0.3	0.7	1.25	2.2	-	-	-60kPa
	5bar	-	0.22	0.6	1.1	1.7	2.75	-	-70kPa
	6bar	0.01	0.19	0.5	1.02	1.72	2.6	3.88	-75kPa

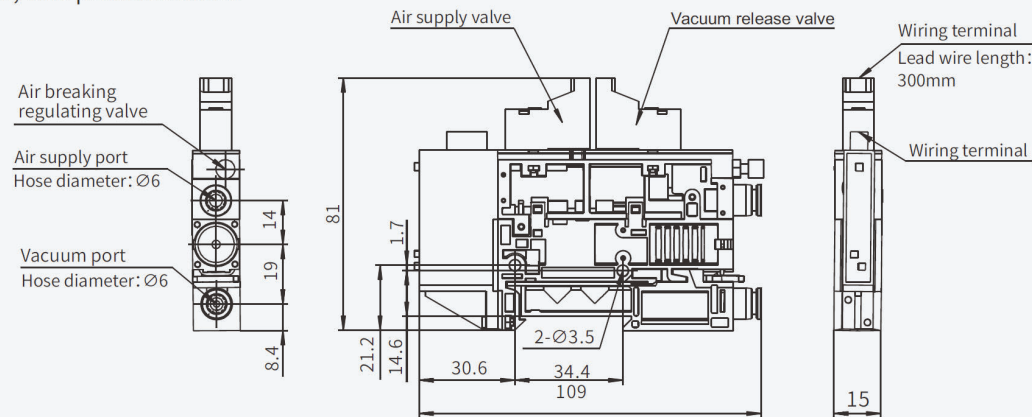
Model	Supply Pressure	Time to Evacuate a Volume (s/l) to Specific Vacuum Levels (-kPa)							Max Vacuum
		10	20	30	40	50	60	70	
AZK-X	4bar	-	0.2	0.56	1.1	1.7	2.56	3.95	-92kPa
	5bar	0.02	0.14	0.47	0.96	1.56	2.50	3.87	-93kPa
	6bar	-	0.13	0.40	0.8	1.5	2.47	3.85	-94kPa

DIMENSIONS (mm)

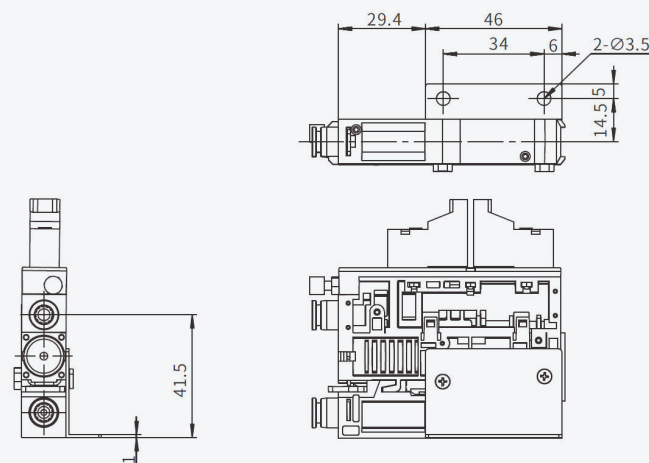
AZK- Single body type, without pressure switch



AZK - Single body type, with pressure switch

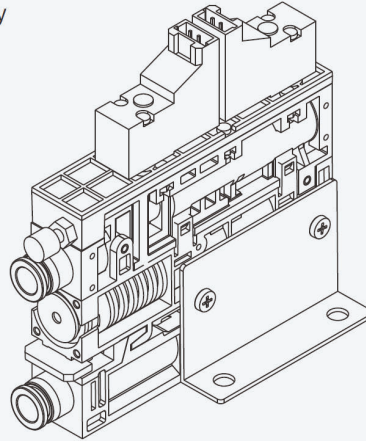


AZK - Single body type, with bracket

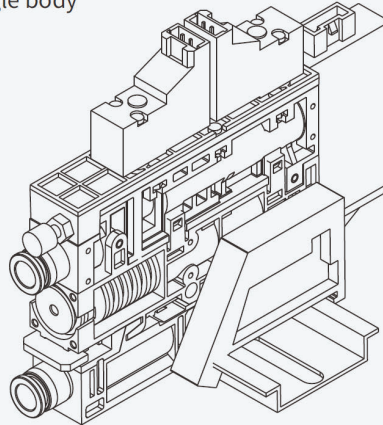


DIMENSIONS (mm)

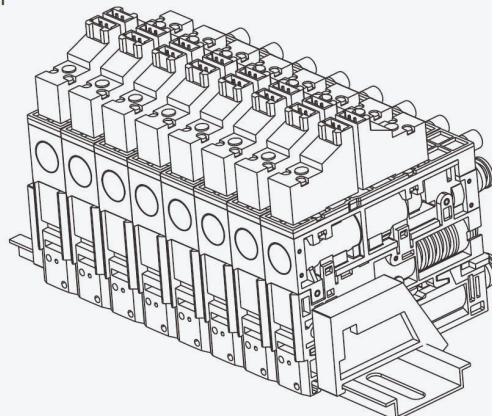
Mounting with bracket for single body



Mounting with DIN guide rail for single body



Mounting with DIN guide rail for combined type



- Three stage vacuum generator
- Lightweight construction
- Threaded ports in BSPP and NPSF
- High efficient multi stage technology
- Ideal for centralized vacuum systems
- Very quiet operation, as low as 45dB(A)w
- Can be used with Vacuforce ESK energy savings system
- Available with aluminum or PPS (polypropylene sulphide) Port Plate



AM25L		B					N		A	
Model		Air and Vacuum Ports					Seal Material		Check Valve	
AM25L		Code	Air Supply	Vacuum Port	Exhaust Port	Port Plate Material	N	NBR	A	YES
AM50L							E	EPDM		NO
AM75L		AD	G1/4	G3/4	G3/4	Aluminum	V	Fluorocarbon		
AM100L		B	1/8NPSF	3/4NPT	3/4NPT	PPS				
AM150L		D	1/8NPSF	G3/4	G3/4	PPS				
		E	1/4NPT	3/4NPT	3/4NPT	Aluminum				

Energy Saving Kits

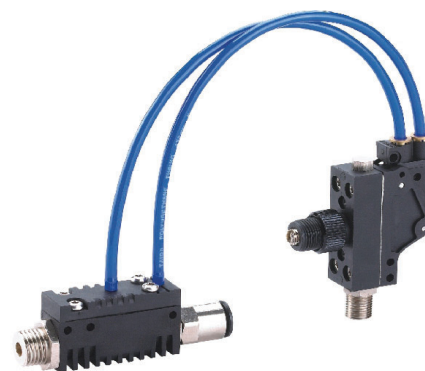
This assembly connects directly to the AM and AL venturi models and offers an ON/OFF function for the vacuum generator depending on the vacuum level in the attached system. The switch has a set point range of -16 to -90kPa (5-27"Hg) and is ideal for centralized vacuum systems or systems using vacuum valves as the operator. Vacuum generator models with a non return valve (NRV or check valve) on the vacuum inlet should be ordered for use with the energy saving kit. Therefore the table below shows the designated suffix (A) for this option.

Check Valve Model	ESK Part Ref
AM25L-*-A	ESK25
AM50L-*-A	
AM75L-*-A	
AM100L-*-A	ESK100
AM150-*-A	ESK150

e.g AM100L-B-N-A



AM100L-B-N-A
assembled with ESK25



SEAL KITS	Model	Kit NBR	Kit Viton	Kit EPDM	Spare Non Return Valves		
	AM25	01.0025.402	01.0025.602	01.0025.802	NBR	Viton	EPDM
	AM50				AMNRVNBR	AMNRVVT	AMNRVEPDM
	AM75						
	AM100						
	AM150	01.0125.404	01.0125.604	01.0125.804			



SPECIFICATIONS

Model	Maximum Vacuum	Maximum Vacuum Flow l/min / CFM	Air Consumption @ 6bar / 87psi l/min / CFM	Weight (g)
AM25L	-92kPa / 27.6"Hg	420 / 15	185 / 6.5	675
AM50L		700 / 25	370 / 13	
AM75L		950 / 34	610 / 21	837
AM100L		1010 / 36	720 / 25	
AM150L		1400 / 49	810 / 28	1075

FLOW PERFORMANCE

Model	Supply Pressure bar	Air Use l/min	Vacuum Flow (l/min) at Different Vacuum Levels (-kPa)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AM25L	3.4	116	359	181	116	79	42	31	23	16	8	1.1	-92kPa
	6	185	419	241	125	99	82	65	38	12	3	-	-89kPa
AM50L	3.4	230	600	320	249	136	76	59	46	30	13	1.4	-92kPa
	6	370	699	509	289	195	161	116	70	22	8	-	-89kPa
AM75L	3.4	365	761	444	340	175	110	85	70	43	20	1.7	-92kPa
	6	610	951	710	379	286	229	170	100	32	11	-	-89kPa
AM100L	3.4	445	849	549	430	280	144	116	85	60	28	2.3	-92kPa
	6	720	1010	801	461	385	311	215	125	42	16	-	-89kPa
AM150L	3.4	655	1200	9830	549	359	215	170	130	90	36	5.1	-92kPa
	6	810	1500	1109	631	560	385	314	210	65	26	-	-89kPa

Model	Supply Pressure psi	Air Use CFM	Vacuum Flow (CFM) at Different Vacuum Levels (inHg)										Max Vacuum
			0	3	6	9	12	15	18	21	24	27	
AM25L	50	4.1	12.7	6.4	4.1	2.8	1.5	1.1	0.80	0.55	0.27	0.04	27.6"Hg
	87	6.5	14.8	8.5	4.4	3.5	2.9	2.3	1.34	0.44	0.12	-	26.7"Hg
AM50L	50	8.1	21.2	11.3	8.8	4.8	2.7	2.1	1.63	1.06	0.46	0.05	27.6"Hg
	87	13.0	24.7	18.0	10.2	6.9	5.7	4.1	2.47	0.78	0.28	-	26.7"Hg
AM75L	50	12.9	26.9	15.7	12.0	6.2	3.9	3.0	2.47	1.52	0.71	0.06	27.6"Hg
	87	21.5	33.6	25.1	13.4	10.1	8.1	6.0	3.53	1.13	0.39	-	26.7"Hg
AM100L	50	15.7	30.0	19.4	15.2	9.9	5.1	4.1	3.00	2.12	0.99	0.08	27.6"Hg
	87	25.4	35.7	28.3	16.3	13.6	11.0	7.6	4.42	1.48	0.55	-	26.7"Hg
AM150L	50	23.1	42.4	347.4	19.4	12.7	7.6	6.0	4.59	3.18	1.27	0.18	27.6"Hg
	87	28.6	53.0	39.2	22.3	19.8	13.6	11.1	7.42	2.30	0.92	-	26.7"Hg



TIME PERFORMANCE

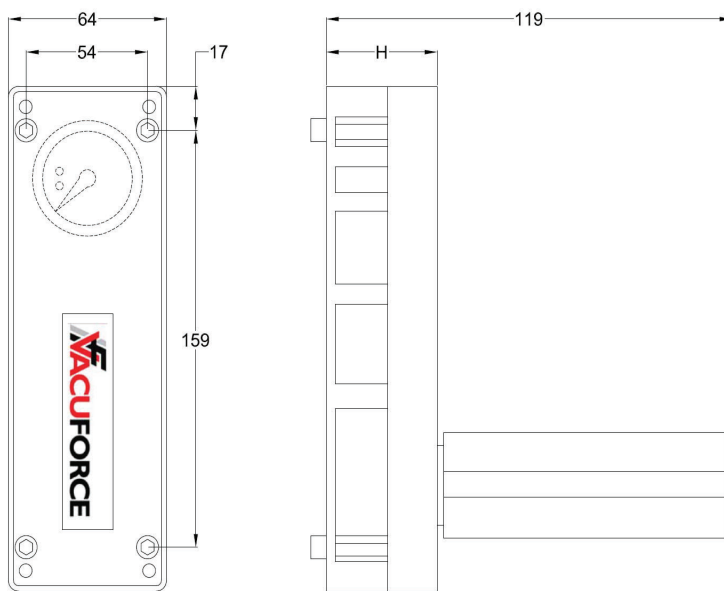
Model	Supply Pressure bar(g)	Air Use l/min	Time to Evacuate a Volume (s/l) to Specific Vacuum Levels (-kPa)									Max Vacuum -kPa
			10	20	30	40	50	60	70	80	90	
AM25L	3.4	116	0.022	0.06	0.11	0.21	0.4	0.65	0.95	1.6	4	-92
	6	185	0.018	0.05	0.08	0.18	0.25	0.4	0.62	1.55	-	-89
AM50L	3.4	230	0.014	0.031	0.06	0.1	0.2	0.34	0.5	0.8	2.5	-92
	6	370	0.01	0.022	0.048	0.08	0.11	0.2	0.35	0.78	-	-89
AM75L	3.4	365	0.012	0.029	0.058	0.095	0.18	0.31	0.46	0.89	1.5	-92
	6	610	0.009	0.019	0.045	0.075	0.13	0.18	0.31	0.7	-	-89
AM100L	3.4	445	0.01	0.025	0.043	0.075	0.11	0.19	0.27	0.45	1.2	-92
	6	720	0.007	0.018	0.038	0.055	0.8	0.12	0.19	0.47	-	-89
AM150L	3.4	655	0.005	0.013	0.027	0.045	0.07	0.105	0.23	0.46	0.9	-92kPa
	6	810	0.003	0.009	0.014	0.03	0.06	0.095	0.2	0.8	-	-89kPa

Model	Supply Pressure psi	Air Use CFM	Time to Evacuate a Volume (s/ft³) to Specific Vacuum Levels (inHg)									Max Vacuum inHg
			3	6	9	12	15	18	21	24	27	
AM25L	50psi	4.1	0.616	1.68	3.08	5.88	11.2	18.2	26.6	44.8	112	27.6
	87psi	6.5	0.504	1.4	2.24	5.04	7	11.2	17.36	43.4	-	26.7
AM50L	50psi	8.1	0.392	0.868	1.68	2.8	5.6	9.52	14	22.4	70	27.6
	87psi	13.0	0.28	0.616	1.344	2.24	3.08	5.6	9.8	21.84	-	26.7
AM75L	50psi	12.9	0.336	0.812	1.624	2.66	5.04	8.68	12.88	24.92	42	27.6
	87psi	21.5	0.252	0.532	1.26	2.1	3.64	5.04	8.68	19.6	-	26.7
AM100L	50psi	15.7	0.28	0.7	1.204	2.1	3.08	5.32	7.56	12.6	33.6	27.6
	87psi	25.4	0.196	0.504	1.064	1.54	22.4	3.36	5.32	13.16	-	26.7
AM150L	50psi	23.1	0.14	0.364	0.756	1.26	1.96	2.94	6.44	12.88	25.2	27.6
	87psi	28.6	0.084	0.252	0.392	0.84	1.68	2.66	5.6	22.4	-	26.7

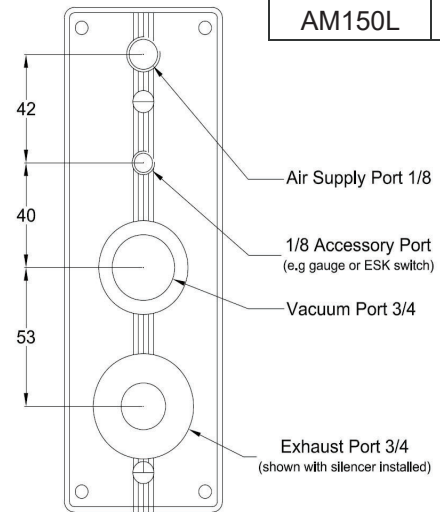


DIMENSIONS (mm)

Standard Model

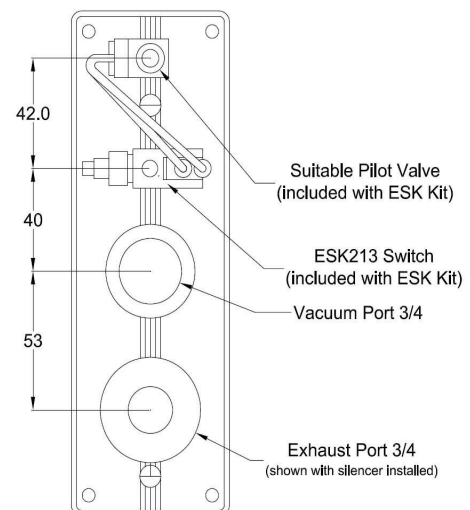
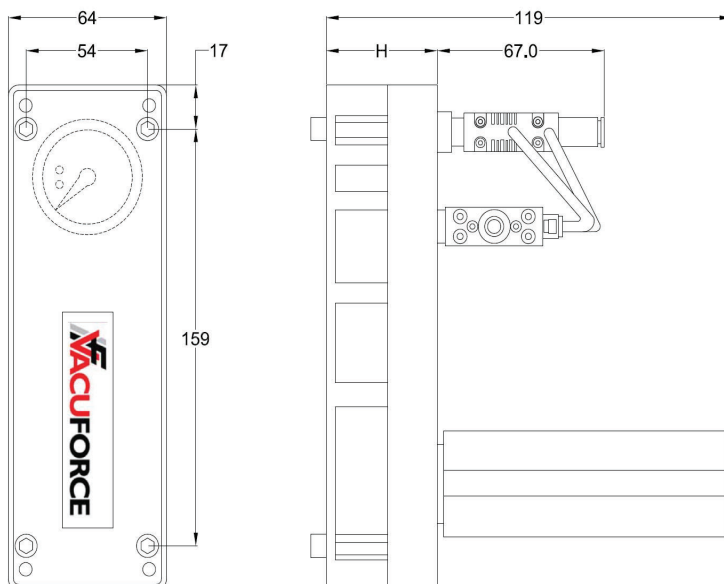


Model	H
AM25L	45
AM50L	
AM75L	65
AM100L	
AM150L	85



DIMENSIONS (mm)

ESK Model



- Three stage vacuum cartridge generator
- High efficiency inline multi stage cartridge venturi technology
- Ideal for centralized vacuum systems
- Very quiet operation, as low as 45dB(A)w
- Can be used with ESK energy savings system
- Vacuum levels to 28.4"Hg



AMC25

L

CA

F

V

R

Model
AMC25
AMC50
AMC75
AMC100
AMC125
AMC150

Vacuum	
L	22.5"Hg
H	28.5"Hg

Ports			
Code	Supply	Vacuum	Exhaust
CA	G1/4	G3/4	G1
CC	G1/4	G1	G1

Seal Material	
	NBR
F	Fluorocarbon

NRV	
V	YES
	NO

Gauge	
R	YES
	NO

Part Number Example - AMC25L-CA-N-V-R

Vacuum generator with a maximum vacuum of 22.5"Hg with BSPP(G) threaded ports, fluorocarbon seals, a non-return valve and vacuum gauge.

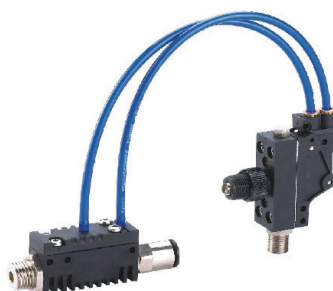
- Spare vacuum cartridges for the cartridge vacuum venturi
- Can be integrated into OEM machinery design
- Various vacuum flow and vacuum level options
- Multi stage venturi technology
- All composite construction
- Lightweight



Energy Saving Kits

This assembly connects directly to the AMC venturi models and offers an ON/OFF function for the vacuum generator depending on the vacuum level in the attached system. The switch has a set point range of -16 to -90kPa (5-27"Hg) and is ideal for centralized vacuum systems or systems using vacuum valves as the operator. Vacuum generator models with a non return valve (NRV or check valve) on the vacuum inlet should be ordered for use with the energy saving kit. Therefore the table below shows the designated suffix (A) for this option.

NRV Generator	ESK Part Ref
AMC25	ESK25
AMC50	
AMC75	
AMC100	ESK100
AMC125	ESK150
AMC150	



SPECIFICATIONS

Model	Maximum Vacuum	Maximum Vacuum Flow		Maximum Air Use		Weight	
		l/min	CFM	l/min	CFM	g	oz
AMC25L	-75kPa 22.5"Hg	360	12.7	130	4.6	430	15.1
AMC50L		710	25.1	260	9.2	435	15.2
AMC75L		1050	37.1	390	13.8	625	21.9
AMC100L		1410	49.8	520	18.4	625	21.9
AMC125L		1500	53.0	650	23.0	825	28.9
AMC150L		1690	59.7	780	27.6	830	29.1
AMC25H	-95kPa 28.5"Hg	354	12.5	135	4.8	430	15.1
AMC50H		700	24.7	270	9.5	435	15.2
AMC75H		980	34.6	405	14.3	625	21.9
AMC100H		1380	48.8	540	19.1	625	21.9
AMC125H		1480	52.3	675	23.9	825	28.9
AMC150H		1650	58.3	810	28.6	830	29.1

FLOW PERFORMANCE

Model	Supply Pressure	Air Use l/min	Vacuum Flow (l/min) at Different Vacuum Levels (-kPa)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AMC25L	6bar(g)	130	360	210	156	102	54	36	30	21	-	-	-75kPa
AMC50L		260	710	420	312	204	108	72	60	42	-	-	
AMC75L		390	1050	630	468	306	162	108	90	66	-	-	
AMC100L		520	1410	840	624	408	216	144	120	84	-	-	
AMC125L		650	1500	948	744	510	270	180	150	126	-	-	
AMC150L		780	1690	1074	888	612	324	216	180	132	-	-	

Model	Supply Pressure	Air Use CFM	Vacuum Flow (CFM) at Different Vacuum Levels (inHg)										Max Vacuum
			0	3	6	9	12	15	18	21	24	27	
AMC25L	87psi(g)	4.6	12.7	7.4	5.5	3.6	1.9	1.3	1.1	0.7	-	-	-22.5"Hg
AMC50L		9.2	25.1	14.8	11.0	7.2	3.8	2.5	2.1	1.5	-	-	
AMC75L		13.8	37.1	22.3	16.5	10.8	5.7	3.8	3.2	2.3	-	-	
AMC100L		18.4	49.8	29.7	22.1	14.4	7.6	5.1	4.2	3.0	-	-	
AMC125L		23.0	53.0	33.5	26.3	18.0	9.5	6.4	5.3	4.5	-	-	
AMC150L		27.6	59.7	38.0	31.4	21.6	11.5	7.6	6.4	4.7	-	-	

FLOW PERFORMANCE

Model	Supply Pressure	Air Use l/min	Vacuum Flow (l/min) at Different Vacuum Levels (-kPa)										Max Vacuum
			0	10	20	30	40	50	60	70	80	90	
AMC25H	4.5bar(g)	135	354	180	120	78	43.8	34.8	25.8	19.2	10.8	1.8	-95kPa
AMC50H		270	700	360	240	156	87.6	69.6	51.6	38.4	21.6	3.6	
AMC75H		405	980	540	360	234	131.4	104.4	77.4	57.6	32.4	5.4	
AMC100H		540	1380	720	480	312	175.2	139.2	103.2	76.8	43.2	7.2	
AMC125H		675	1480	810	570	390	219	174	129	96	54	9	
AMC150H		810	1650	918	684	468	262.8	206.4	154.8	115.2	64.8	10.8	

Model	Supply Pressure	Air Use CFM	Vacuum Flow (CFM) at Different Vacuum Levels (inHg)										Max Vacuum
			0	3	6	9	12	15	18	21	24	27	
AMC25H	66psi(g)	4.8	12.5	6.4	4.2	2.8	1.5	1.2	0.9	0.7	0.4	0.1	-28.5"Hg
AMC50H		9.5	24.7	12.7	8.5	5.5	3.1	2.5	1.8	1.4	0.8	0.1	
AMC75H		14.3	34.6	19.1	12.7	8.3	4.6	3.7	2.7	2.0	1.1	0.2	
AMC100H		19.1	48.8	25.4	17.0	11.0	6.2	4.9	3.6	2.7	1.5	0.3	
AMC125H		23.9	52.3	28.6	20.1	13.8	7.7	6.1	4.6	3.4	1.9	0.3	
AMC150H		28.6	58.3	32.4	24.2	16.5	9.3	7.3	5.5	4.1	2.3	0.4	

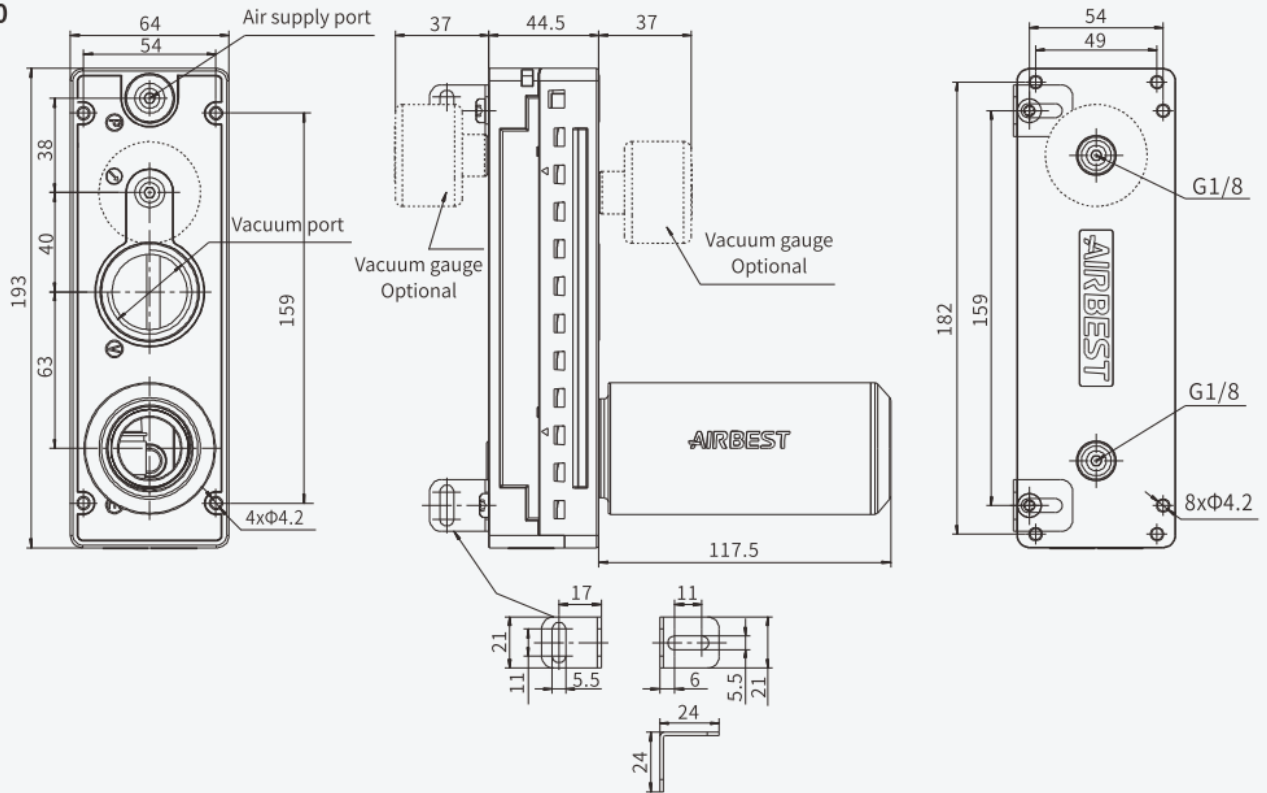
TIME PERFORMANCE

Model	Supply Pressure	Air Use l/min	Time to Evacuate a Volume (s/l) to Specific Vacuum Levels (-kPa)									Max Vacuum
			10	20	30	40	50	60	70	80	90	
AMC25L	6bar(g)	130	0.02	0.05	0.1	0.18	0.33	0.53	0.8	-	-	-75kPa
AMC50L		260	0.01	0.025	0.05	0.09	0.17	0.27	0.4	-	-	
AMC75L		390	0.007	0.17	0.033	0.06	0.11	0.18	0.27	-	-	
AMC100L		520	0.005	0.13	0.025	0.045	0.083	0.13	0.2	-	-	
AMC125L		650	0.005	0.12	0.022	0.036	0.066	0.11	0.16	-	-	
AMC150L		780	0.004	0.01	0.018	0.03	0.055	0.09	0.16	-	-	
AMC25H	4.5bar(g)	135	0.022	0.062	0.12	0.22	0.37	0.57	0.84	1.2	2.2	-95kPa
AMC50H		270	0.011	0.031	0.06	0.11	0.19	0.29	0.42	0.6	1.1	
AMC75H		405	0.007	0.021	0.04	0.07	0.12	0.19	0.28	0.4	0.73	
AMC100H		540	0.006	0.016	0.03	0.055	0.09	0.14	0.21	0.3	0.55	
AMC125H		675	0.005	0.014	0.026	0.044	0.07	0.11	0.17	0.24	0.44	
AMC150H		810	0.005	0.012	0.022	0.04	0.06	0.1	0.14	0.2	0.37	

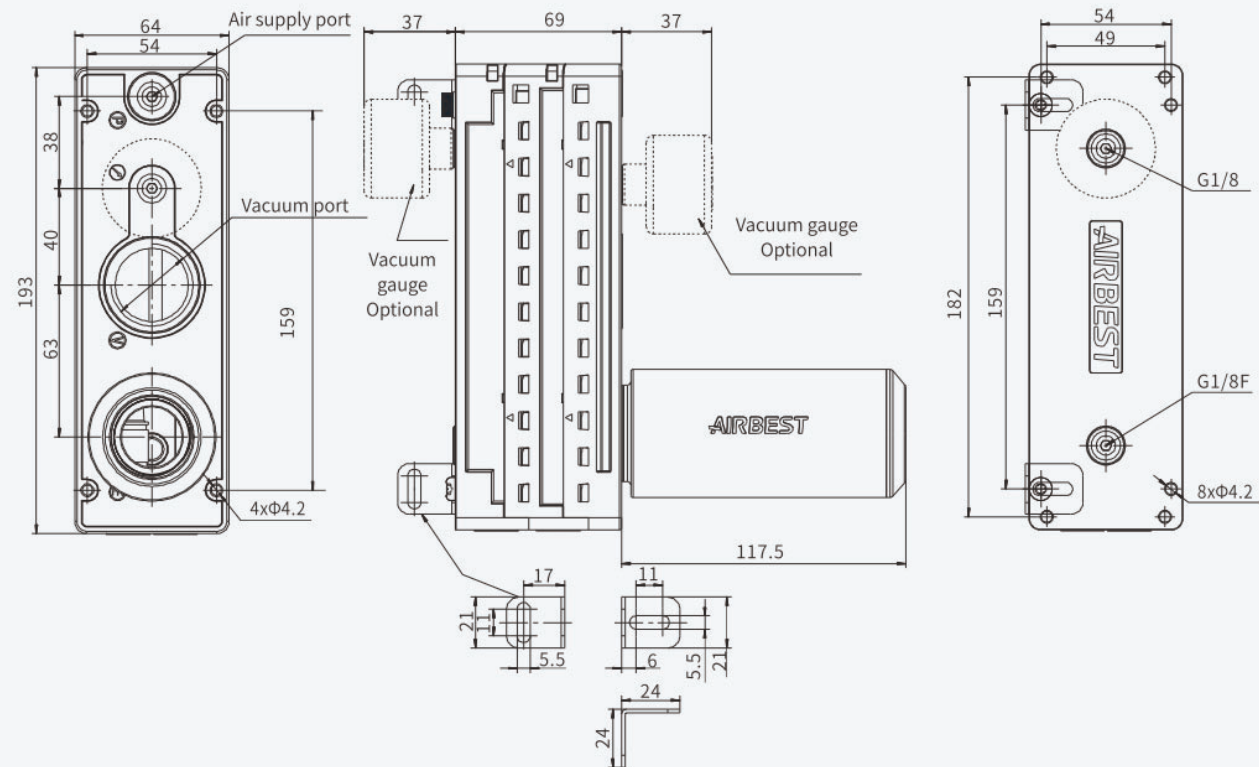
TIME PERFORMANCE

Model	Supply Pressure	Air Use CFM	Time to Evacuate a Volume (s/ft ³) to Specific Vacuum Levels (inHg)									Max Vacuum
			10	20	30	40	50	60	70	80	90	
AMC25L	87psi(g)	4.6	0.6	1.4	2.8	5.0	9.2	14.8	22.4	-	-	22.5"Hg
AMC50L		9.2	0.3	0.7	1.4	2.5	4.8	7.6	11.2	-	-	
AMC75L		13.8	0.2	4.8	0.9	1.7	3.1	5.0	7.6	-	-	
AMC100L		18.4	0.1	3.6	0.7	1.3	2.3	3.6	5.6	-	-	
AMC125L		23.0	0.1	3.4	0.6	1.0	1.8	3.1	4.5	-	-	
AMC150L		27.6	0.1	0.3	0.5	0.8	1.5	2.5	4.5	-	-	
AMC25H	66psi(g)	4.8	0.6	1.7	3.4	6.2	10.4	16.0	23.5	33.6	61.6	28.5"Hg
AMC50H		9.5	0.3	0.9	1.7	3.1	5.3	8.1	11.8	16.8	30.8	
AMC75H		14.3	0.2	0.6	1.1	2.0	3.4	5.3	7.8	11.2	20.4	
AMC100H		19.1	0.2	0.4	0.8	1.5	2.5	3.9	5.9	8.4	15.4	
AMC125H		23.9	0.1	0.4	0.7	1.2	2.0	3.1	4.8	6.7	12.3	
AMC150H		28.6	0.1	0.3	0.6	1.1	1.7	2.8	3.9	5.6	10.4	

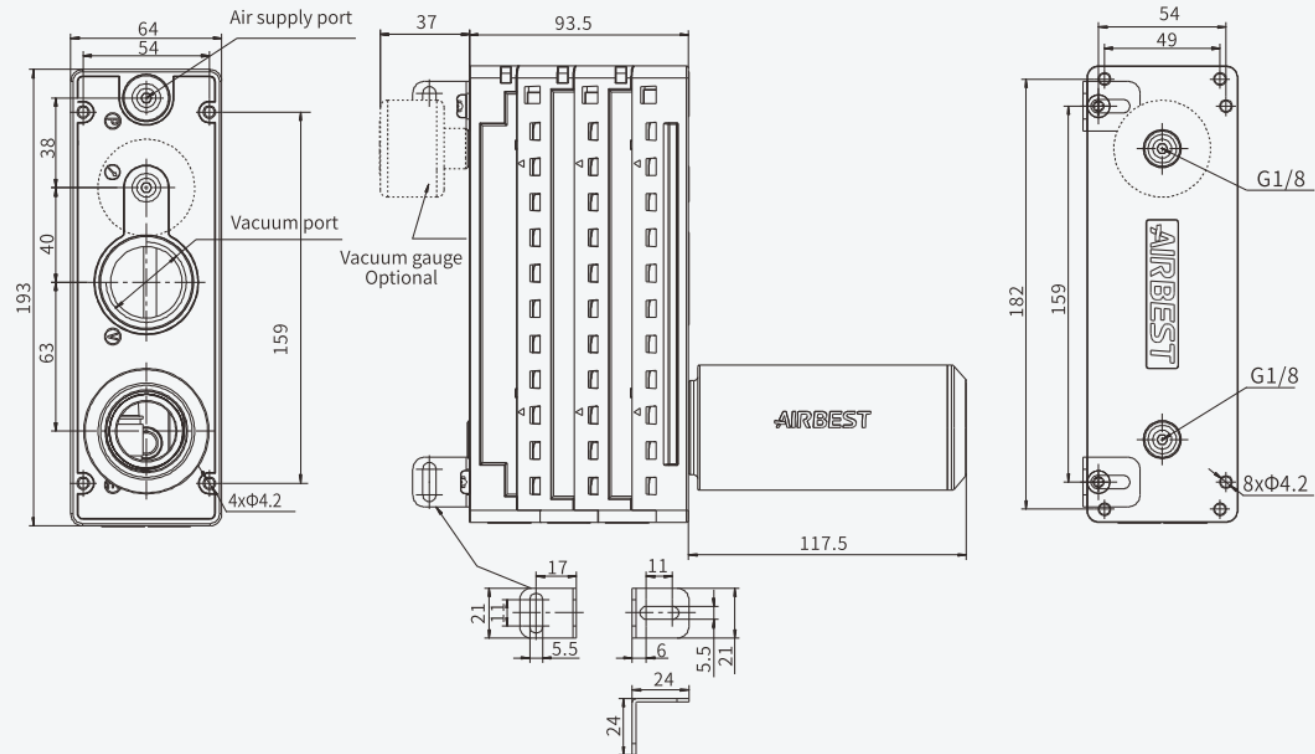
AMC25-50



AMC75-100



AMC125-150



- Aluminum or Stainless Steel Option
- Hard anodized Finish – Resistant to abrasion
- No Moving Parts
- No Heat Generation
- Maintenance Free



VFAV

Series

3/8

Vacuum Port

1/4

3/8

1/2

3/4

N

Thread Types

BSPP (G)

N

NPT

The VFAV venturi is an adjustable vacuum venturi offering a straight through flow design. This design feature enables these units to be used in dusty or dirty vacuum applications such as brick, concrete, wood and porous box handling.

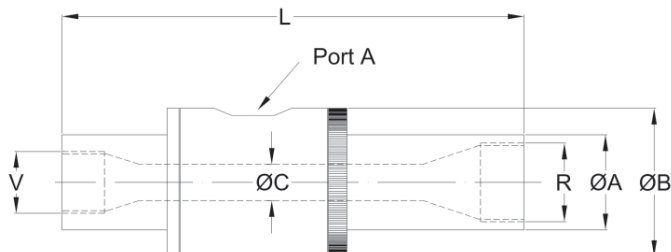
The VFAV venturi is adjustable independent of the compressed air inlet pressure by increasing and decreasing the venturi aperture. This is achieved by rotating the exhaust assembly on the right as shown in the product image above and setting this position with the lock ring.

SPECIFICATIONS

Model	Supply Pressure bar / psi	Air Consumption l/min/CFM @ Different Vacuum Levels -kPa / inHg				
		17-kPa / 5"Hg	34-kPa / 10"Hg	50-kPa / 15"Hg	68-kPa / 20"Hg	84-kPa / 25"Hg
VFAV250	5.5 / 80	112/4	169/6	233/8	276/10	342/12
VFAV375		176/6	327/11	485/17	595/21	825/29
VFAV500		340/12	625/22	795/28	940/33	1280/45
VFAV750		650/23	875/31	1250/44	1790/63	2550/90

Model	Supply Pressure bar / psi	Vacuum Flow l/min/CFM @ Different Vacuum Levels -kPa/"Hg				
		17-kPa / 5"Hg	34-kPa / 10"Hg	50-kPa / 15"Hg	68-kPa / 20"Hg	84-kPa / 25"Hg
VFAV250	5.5 / 80	112/10	169/8.5	233/7	276/6	342/4.5
VFAV375		176/30	327/26	485/22	595/18	825/14
VFAV500		340/60	625/47	795/40	940/35	1280/23
VFAV750		650/120	875/87	1250/70	1790/51	2550/40

DIMENSIONS (mm)



Model	V Thread	R Thread	L	ØA	ØB	ØC	Port A
VFAV250	1/4	1/4	94-105	19	32	6.5	1/8
VFAV375	3/8	1/2	155-165	25	45	10	3/8
VFAV500	1/2	3/4	155-160	32	51	10	3/8
VFAV750	3/4	1	175-189	38	58	13	1/2

Features:

- Aluminum or Stainless Steel Option
- Hard anodized finish – resistant to abrasion
- No moving parts or heat generation
- Maintenance free



Suitable for conveying:

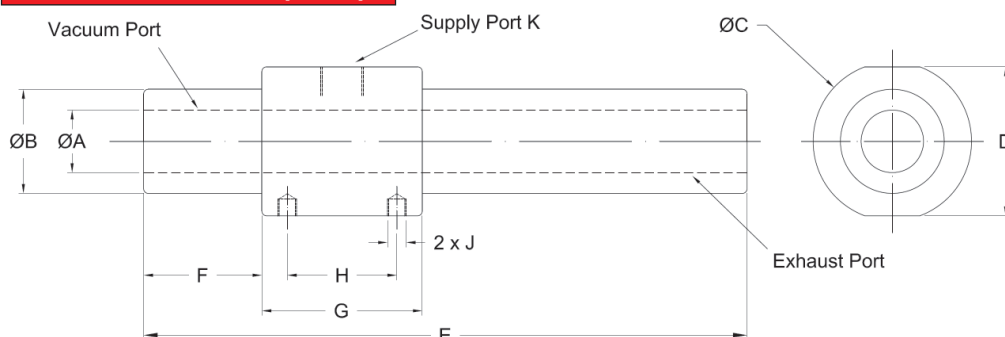
- Powder material, granular material
- Machining swarf, chips, fumes
- Wood chips & small parts

VFMC	38	N		
Series	Conveyor Passage Ø	Thread Type		
	9	9mm (3/8")		BSPP (G)
	13	13mm (1/2")	N	NPT
	19	19mm (3/4")		
	25	25mm (1")		
	38	38mm (1.5")		

SPECIFICATIONS

Model	Air Velocity m/s / ft/sec	Vacuum Flow l/min/SCFM	Max Vacuum -kPa/inHg	Air Consumption l/min / CFM	
				3bar/45psi	6bar/90psi
VFMC9	100/325	425/15	16/5	115/4	215/8
VFMC13	110/361	870/31	35/10	167/6	250/9
VFMC19	100/325	1825/65	28/8.4	400/14	501/18
VFMC25	68/223	4400/88	4.4/2.4	400/14	501/18
VFMC38	82/270	5610/198	9/2.7	790/28	1365/48

DIMENSIONS (mm)



Model	ØA	ØB	ØC	D	E	F	G	H	J	K
VFMC9	9.5	19	32	30	89	19	25	18	M4	1/8
VFMC13	12.5	24	38	34	140	25.5	32	23		1/4
VFMC19	19	32	50	45	190	38	50	35		3/8
VFMC25	25	38	59	55	198	40	56	40		
VFMC38	38	50	69	65	205	40	60	42		

