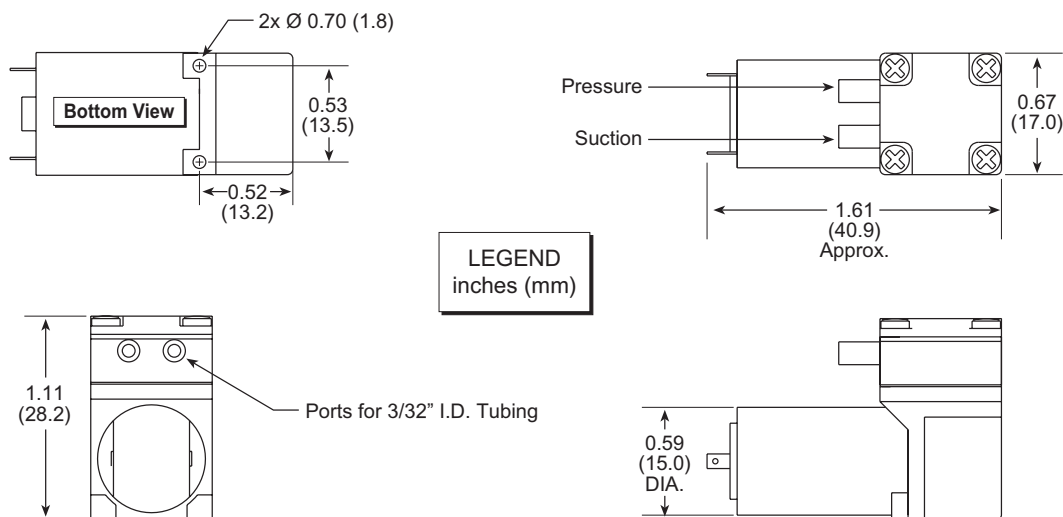


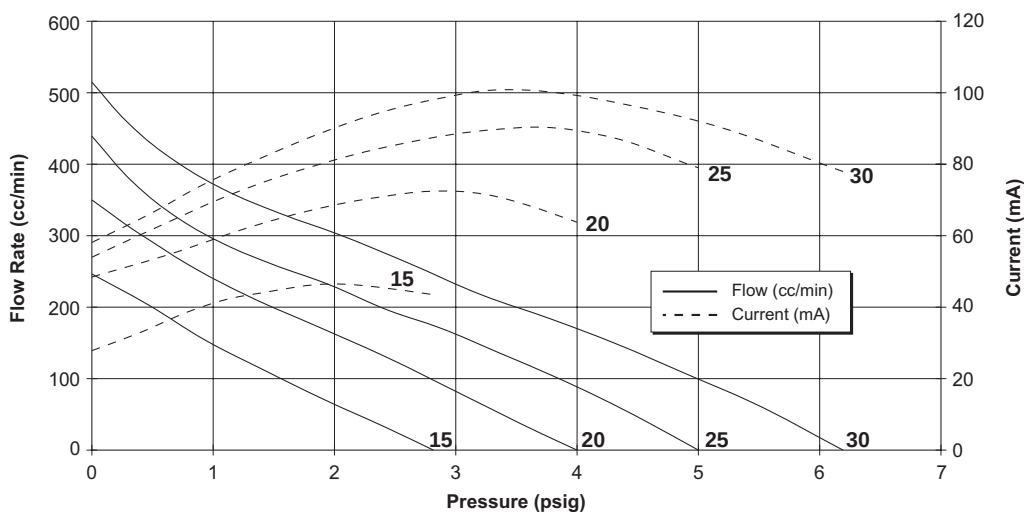
AAA Series Micro Air Pump: Part No. 3A030CNSN (Pressure) Specifications

	Minimum Free Flow	Minimum Pressure @ Dead Head	Maximum Current @ Free Flow
Model 15	245 cc/min	2.8 psig (193 mbar)	32 mA
Model 20	350 cc/min	4.0 psig (276 mbar)	60 mA
Model 25	440 cc/min	5.0 psig (345 mbar)	60 mA
Model 30	520 cc/min	6.2 psig (427 mbar)	75 mA
Rated Voltage	3.0 volts DC		
Motor Construction	Ironless Rotor, Sleeve Bearing		
Diaphragm Material	Neoprene (EPDM and Viton also available)		
Pump Body Material	Ryton		
Operating Temperature Range	32°–122°F (0°–50°C)		
Weight	1.0 oz (30 grams)		
Size	1.1 cubic inches		
Options	Four Port Locations		

DIMENSIONS



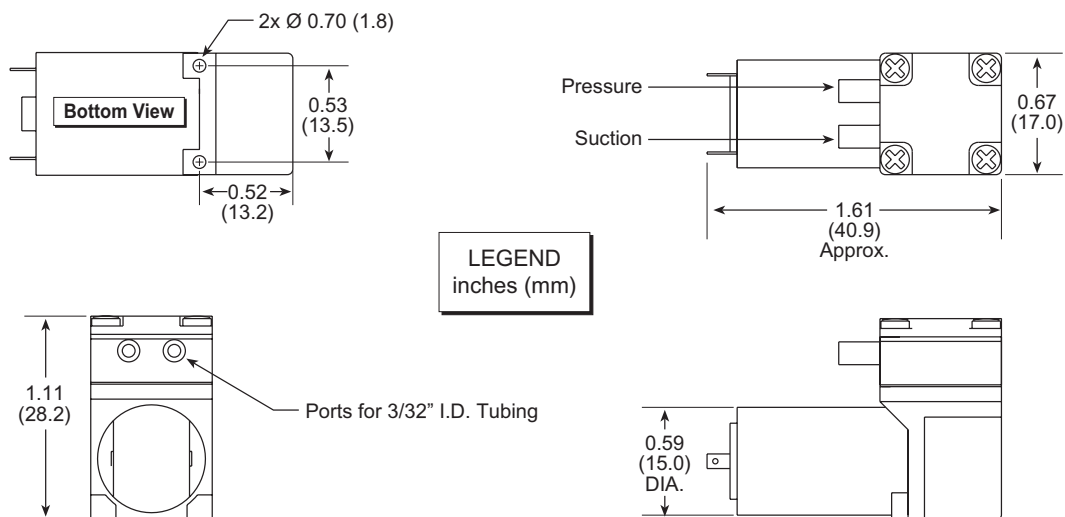
PERFORMANCE



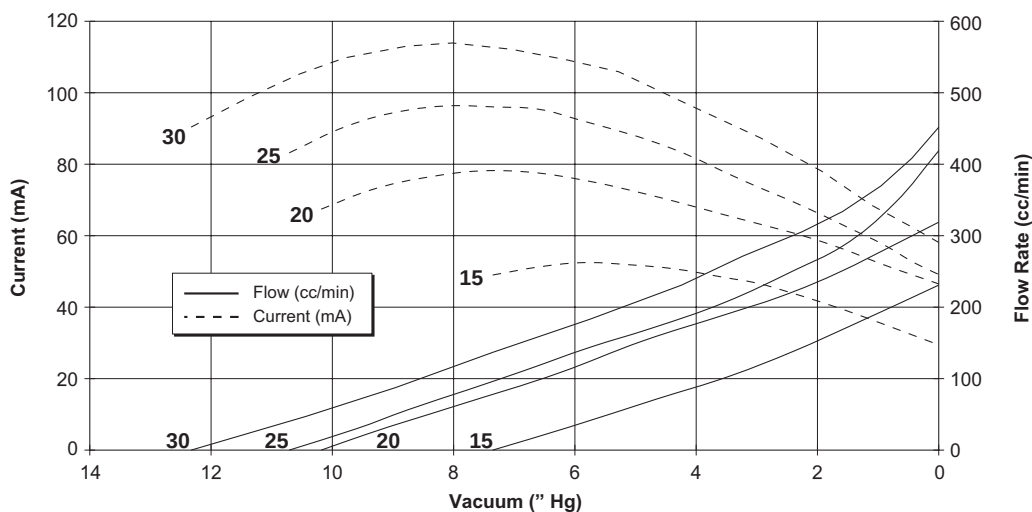
AAA Series Micro Air Pump: Part No. 3A030CNSN (Vacuum) Specifications

	Minimum Free Flow	Minimum Vacuum @ Dead Head	Maximum Current @ Free Flow
Model 15	235 cc/min	7.4 "Hg (250 mbar)	32 mA
Model 20	320 cc/min	10.4 "Hg (351 mbar)	60 mA
Model 25	430 cc/min	10.4 "Hg (351 mbar)	60 mA
Model 30	460 cc/min	12.2 "Hg (412 mbar)	75 mA
Rated Voltage	3.0 volts DC		
Motor Construction	Ironless Rotor, Sleeve Bearing		
Diaphragm Material	Neoprene (EPDM and Viton also available)		
Pump Body Material	Ryton		
Operating Temperature Range	32°–122°F (0°–50°C)		
Weight	1.0 oz (30 grams)		
Size	1.1 cubic inches		
Options	Four Port Locations		

DIMENSIONS



PERFORMANCE

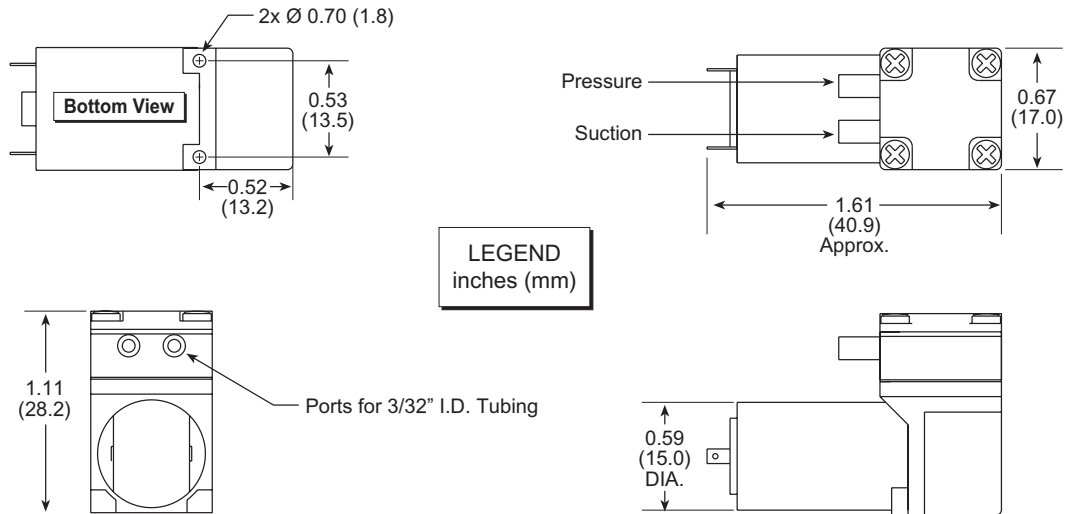


Performance curves are typical. Individual pump curves may vary.

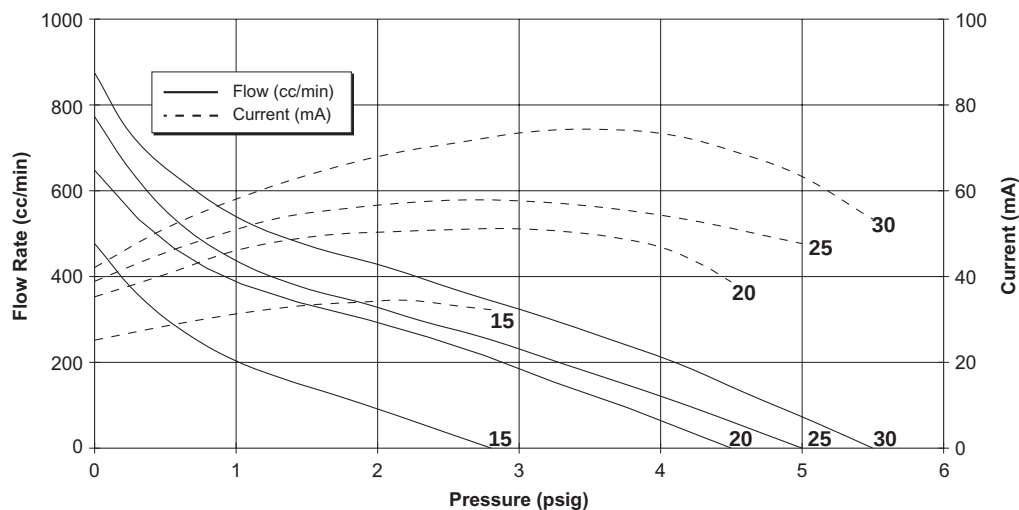
AAA Series Micro Air Pump: Part No. 3A060CNSN (Pressure) Specifications

	Minimum Free Flow	Minimum Pressure @ Dead Head	Maximum Current @ Free Flow
Model 15	480 cc/min	2.7 psig (186 mbar)	29 mA
Model 20	645 cc/min	4.5 psig (310 mbar)	43 mA
Model 25	770 cc/min	5.0 psig (345 mbar)	45 mA
Model 30	875 cc/min	5.5 psig (379 mbar)	66 mA
Rated Voltage	6.0 volts DC		
Motor Construction	Ironless Rotor, Sleeve Bearing		
Diaphragm Material	Neoprene (EPDM and Viton also available)		
Pump Body Material	Ryton		
Operating Temperature Range	32°–122°F (0°–50°C)		
Weight	1.0 oz (30 grams)		
Size	1.1 cubic inches		
Options	Four Port Locations		

DIMENSIONS



PERFORMANCE

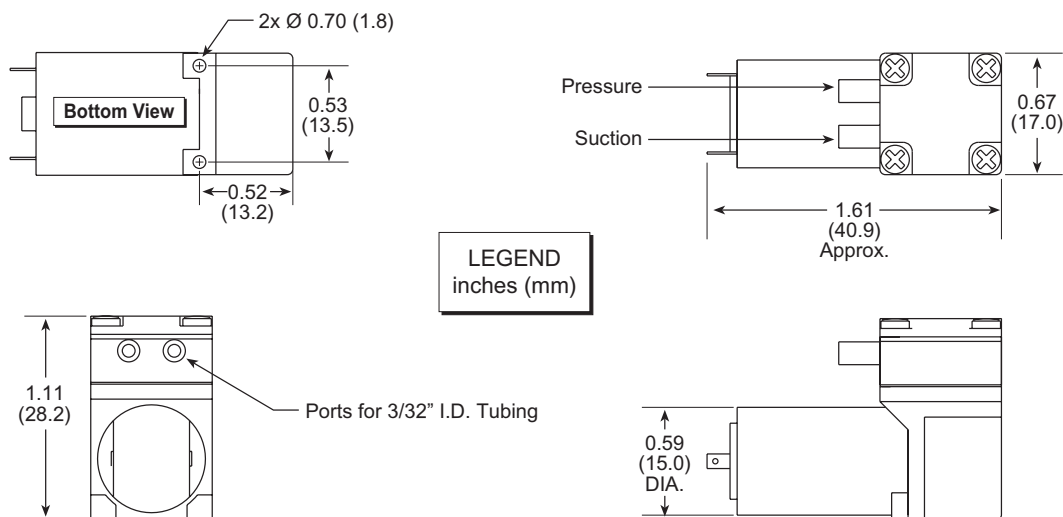


Performance curves are typical. Individual pump curves may vary.

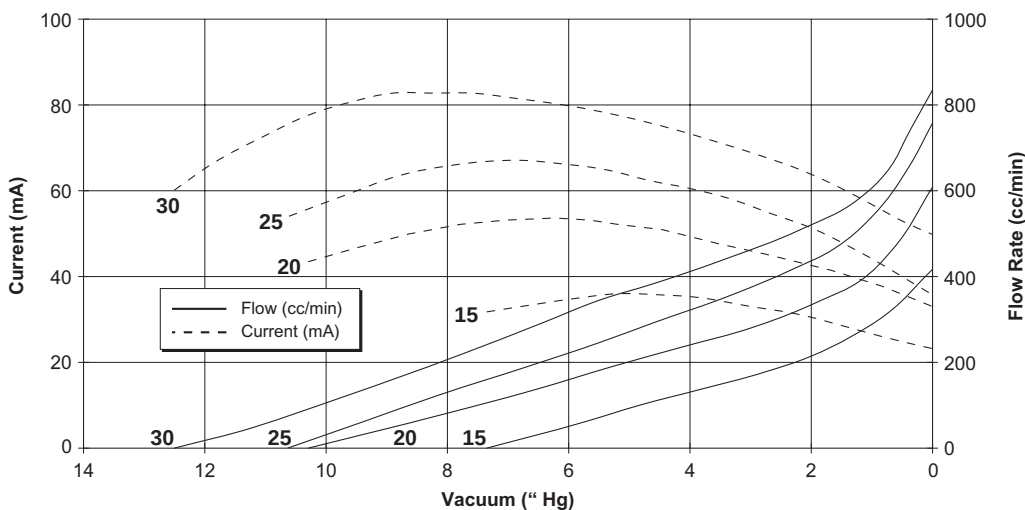
AAA Series Micro Air Pump: Part No. 3A060CNSN (Vacuum) Specifications

	Minimum Free Flow	Minimum Vacuum @ Dead Head	Maximum Current @ Free Flow
Model 15	415 cc/min	7.3 "Hg (247 mbar)	29 mA
Model 20	600 cc/min	10.3 "Hg (348 mbar)	43 mA
Model 25	760 cc/min	10.4 "Hg (351 mbar)	45 mA
Model 30	840 cc/min	12.4 "Hg (419 mbar)	66 mA
Rated Voltage	6.0 volts DC		
Motor Construction	Ironless Rotor, Sleeve Bearing		
Diaphragm Material	Neoprene (EPDM and Viton also available)		
Pump Body Material	Ryton		
Operating Temperature Range	32°–122°F (0°–50°C)		
Weight	1.0 oz (30 grams)		
Size	1.1 cubic inches		
Options	Four Port Locations		

DIMENSIONS



PERFORMANCE

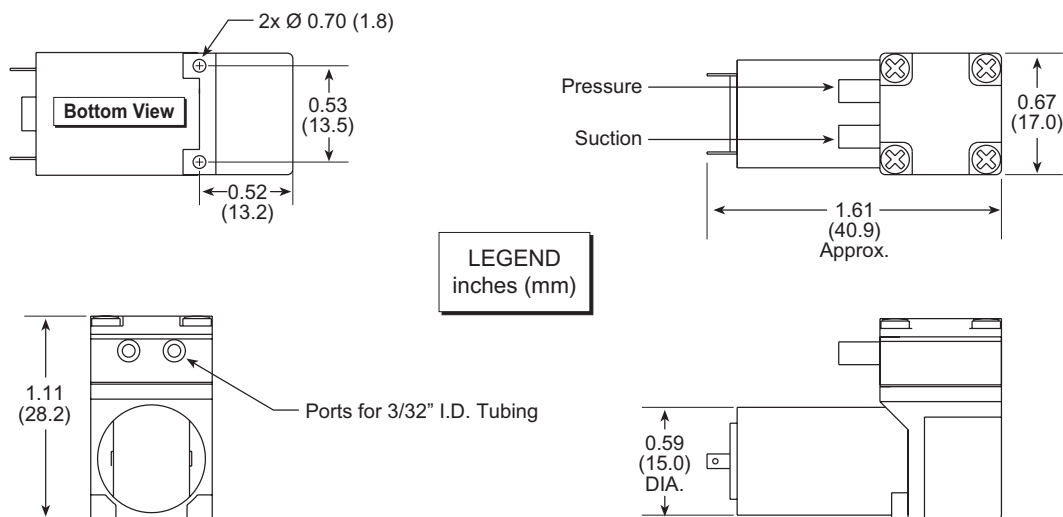


Performance curves are typical. Individual pump curves may vary.

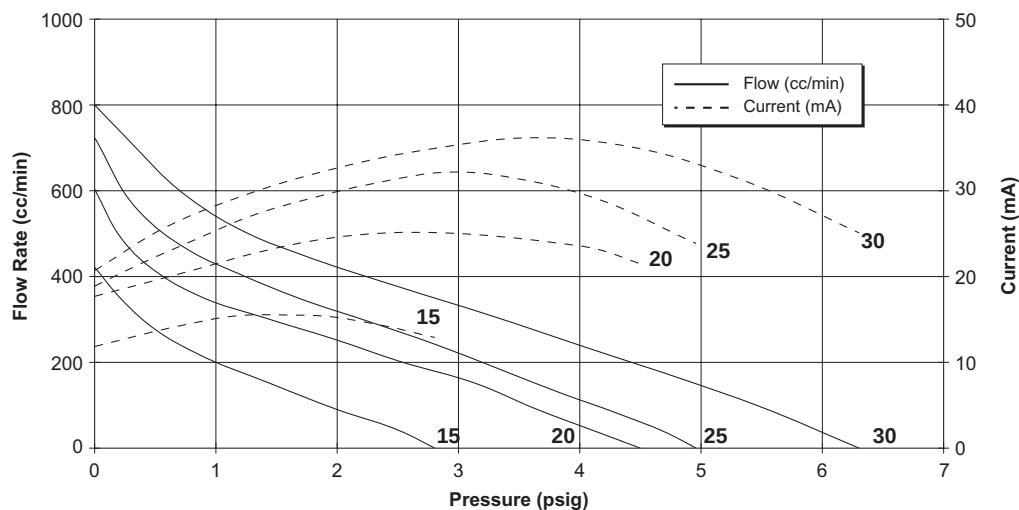
AAA Series Micro Air Pump: Part No. 3A120CNSN (Pressure) Specifications

	Minimum Free Flow	Minimum Pressure @ Dead Head	Maximum Current @ Free Flow
Model 15	415 cc/min	2.8 psig (193 mbar)	18 mA
Model 20	605 cc/min	4.5 psig (310 mbar)	26 mA
Model 25	745 cc/min	4.9 psig (338 mbar)	28 mA
Model 30	815 cc/min	6.3 psig (434 mbar)	30 mA
Rated Voltage	12.0 volts DC		
Motor Construction	Ironless Rotor, Sleeve Bearing		
Diaphragm Material	Neoprene (EPDM and Viton also available)		
Pump Body Material	Ryton		
Operating Temperature Range	32°–122°F (0°–50°C)		
Weight	1.0 oz (30 grams)		
Size	1.1 cubic inches		
Options	Four Port Locations		

DIMENSIONS



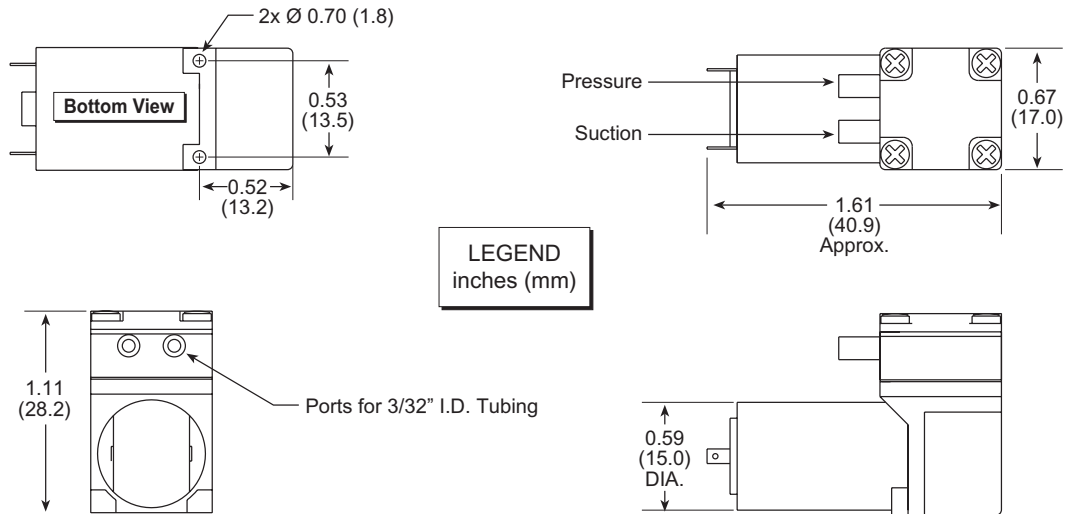
PERFORMANCE



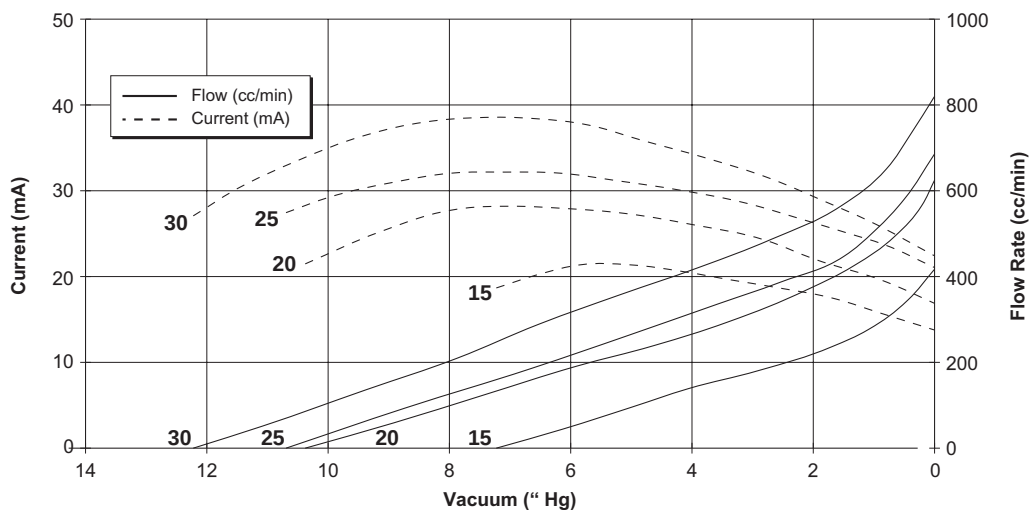
AAA Series Micro Air Pump: Part No. 3A120CNSN (Vacuum) Specifications

	Minimum Free Flow	Minimum Vacuum @ Dead Head	Maximum Current @ Free Flow
Model 15	415 cc/min	7.3 "Hg (247 mbar)	18 mA
Model 20	625 cc/min	10.4 "Hg (351 mbar)	26 mA
Model 25	690 cc/min	10.7 "Hg (361 mbar)	28 mA
Model 30	820 cc/min	12.3 "Hg (415 mbar)	30 mA
Rated Voltage	12.0 volts DC		
Motor Construction	Ironless Rotor, Sleeve Bearing		
Diaphragm Material	Neoprene (EPDM and Viton also available)		
Pump Body Material	Ryton		
Operating Temperature Range	32°–122°F (0°–50°C)		
Weight	1.0 oz (30 grams)		
Size	1.1 cubic inches		
Options	Four Port Locations		

DIMENSIONS



PERFORMANCE



Performance curves are typical. Individual pump curves may vary.