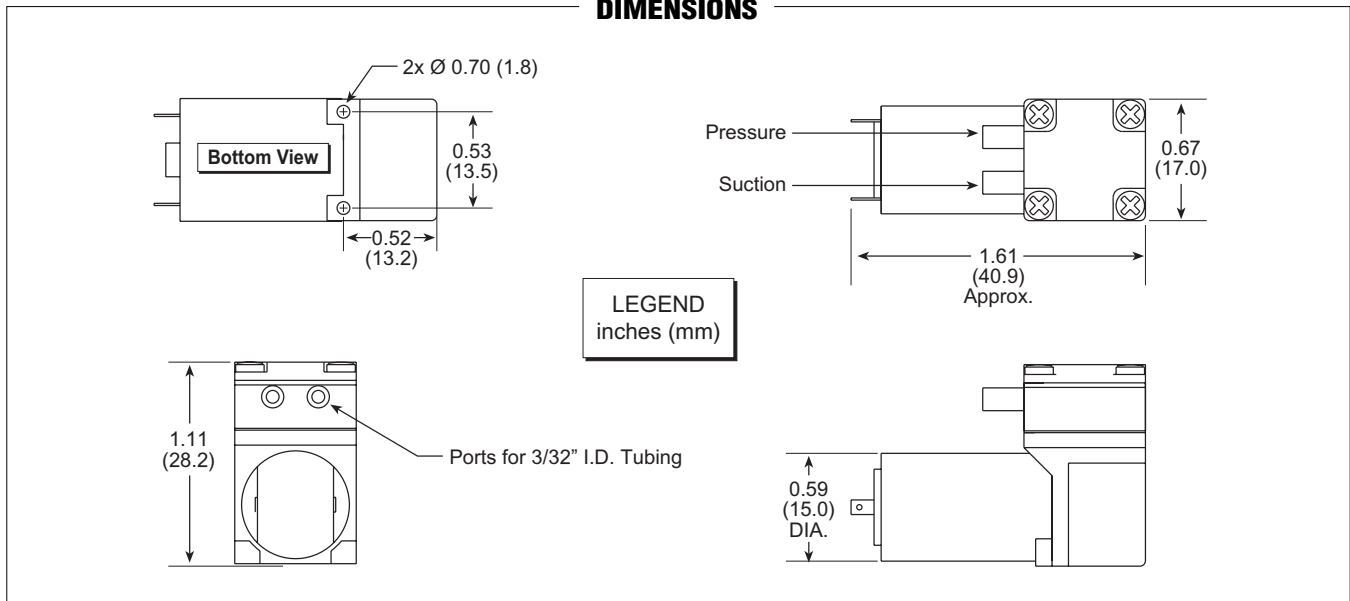


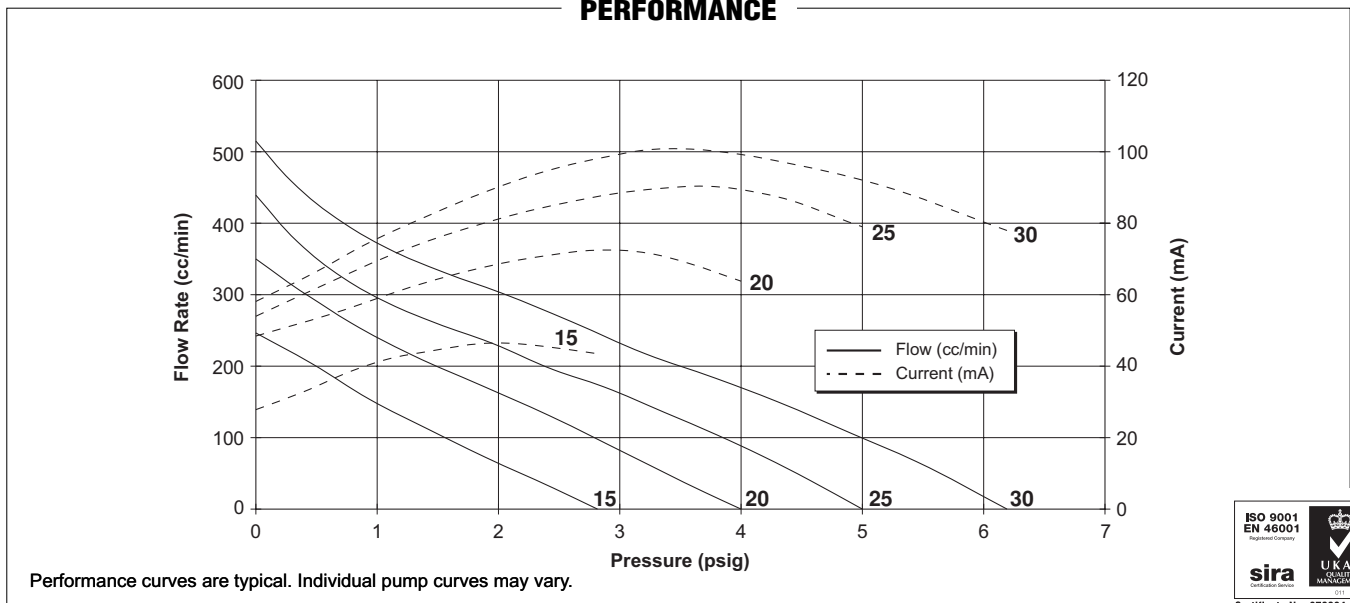
**AAA Series Micro Air Pump: Part No. 3A030CNSN (Pressure) Specifications**

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

**DIMENSIONS**



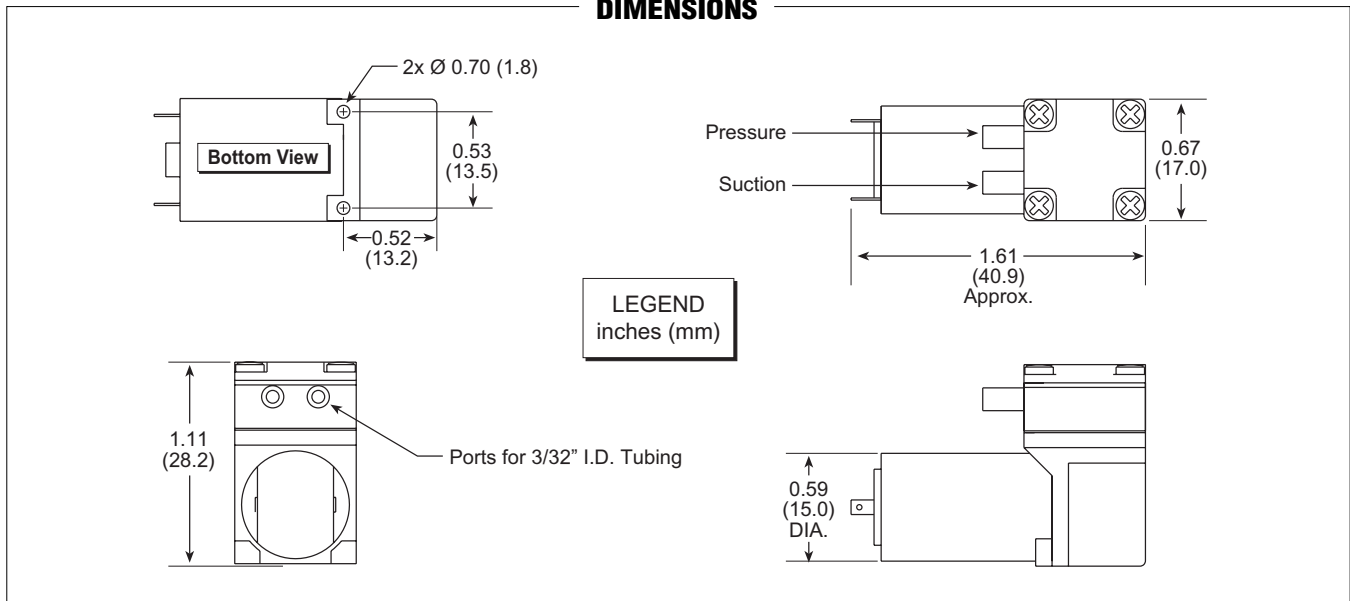
**PERFORMANCE**



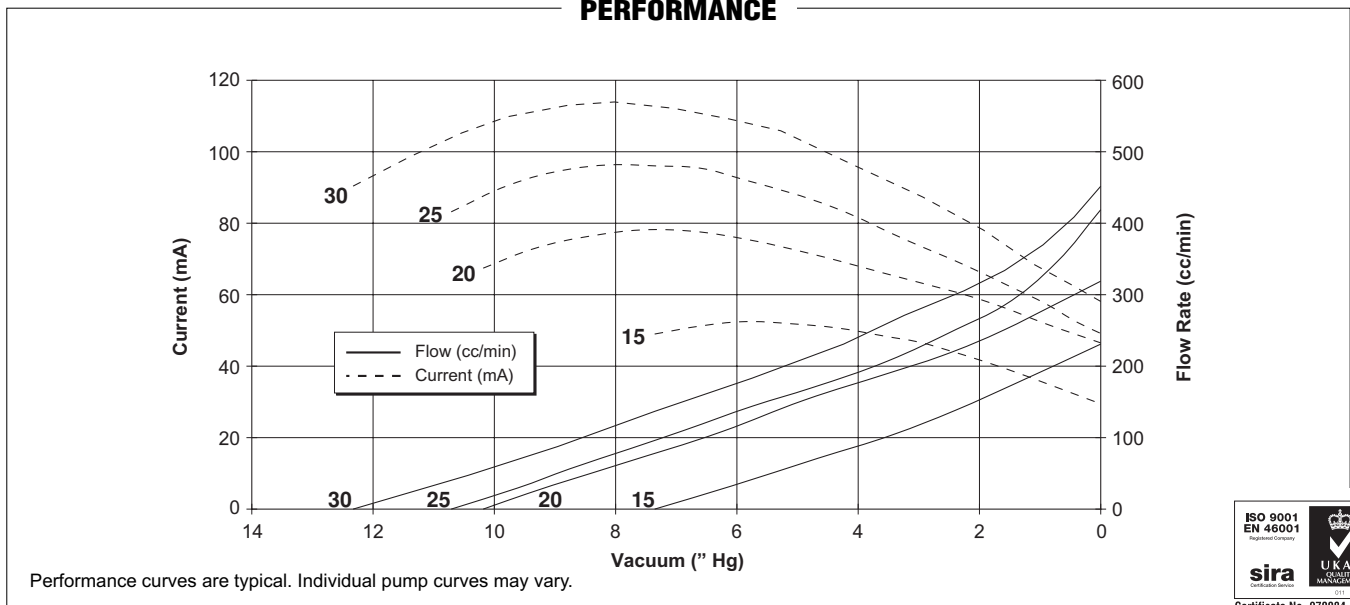
**AAA Series Micro Air Pump: Part No. 3A030CNSN (Vacuum) Specifications**

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

**DIMENSIONS**



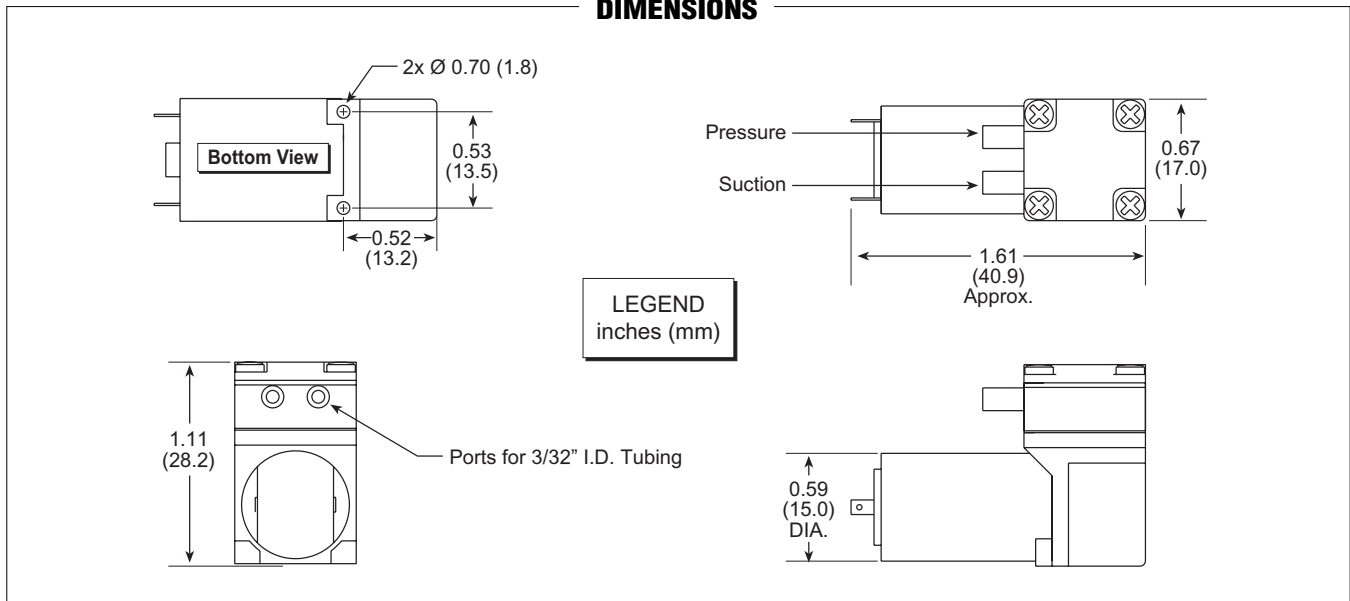
**PERFORMANCE**



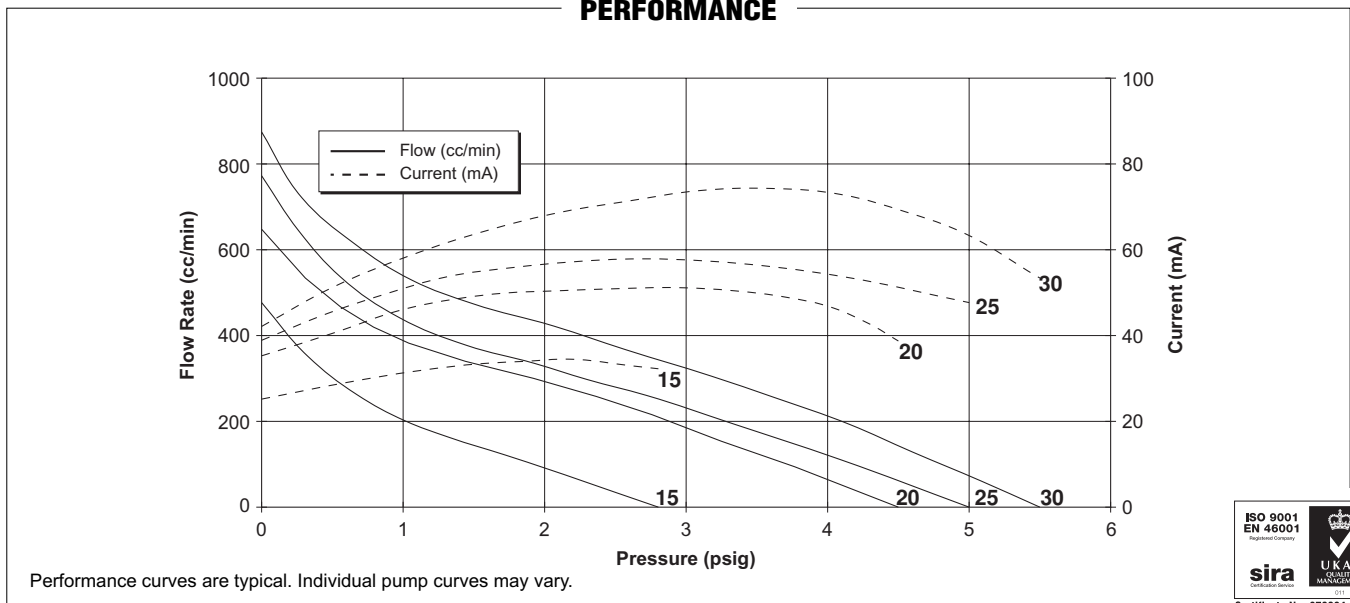
**AAA Series Micro Air Pump: Part No. 3A060CNSN (Pressure) Specifications**

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

**DIMENSIONS**



**PERFORMANCE**



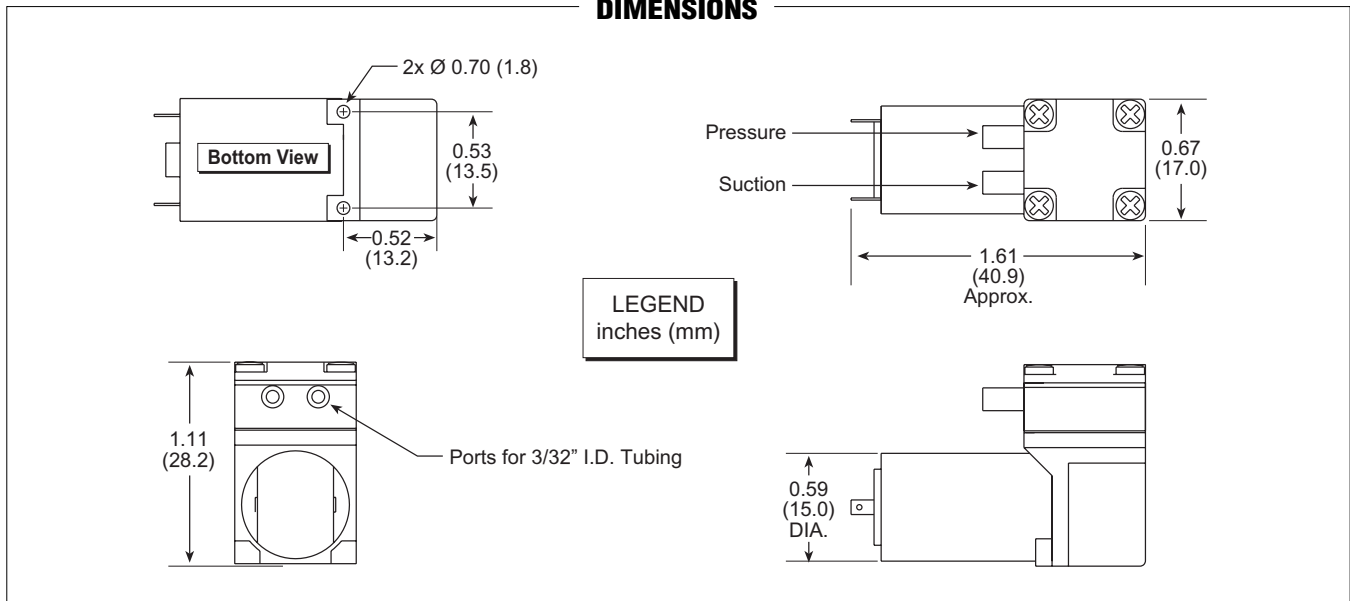
Performance curves are typical. Individual pump curves may vary.



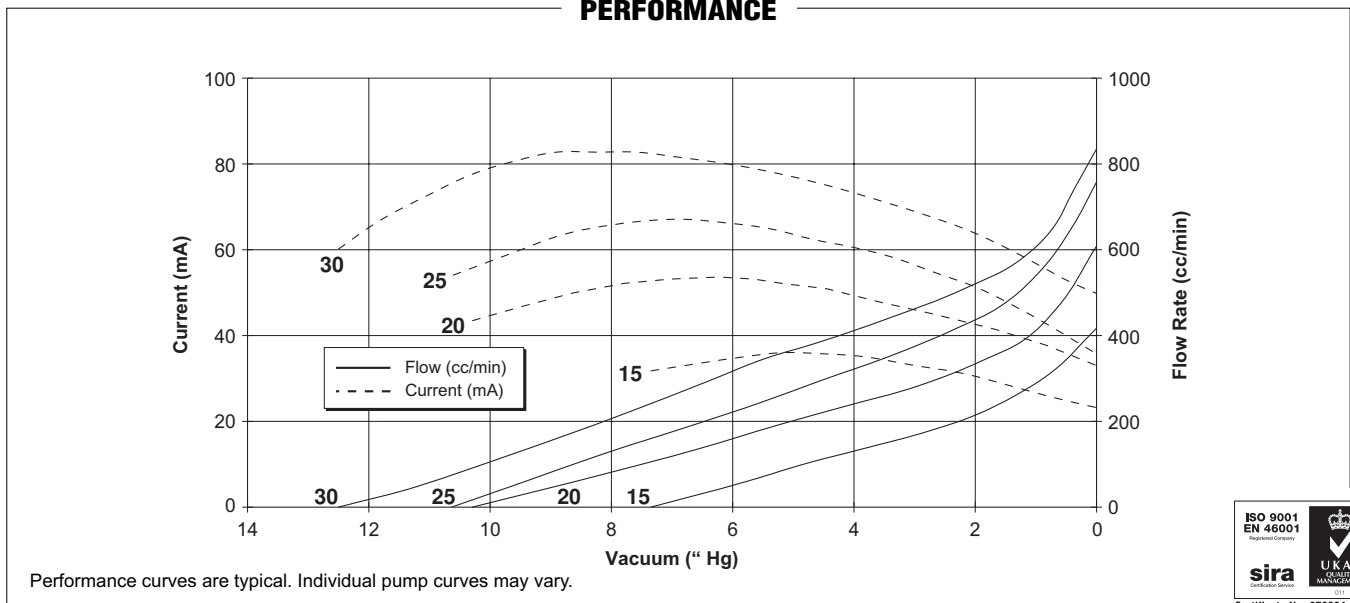
**AAA Series Micro Air Pump: Part No. 3A060CNSN (Vacuum) Specifications**

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

**DIMENSIONS**



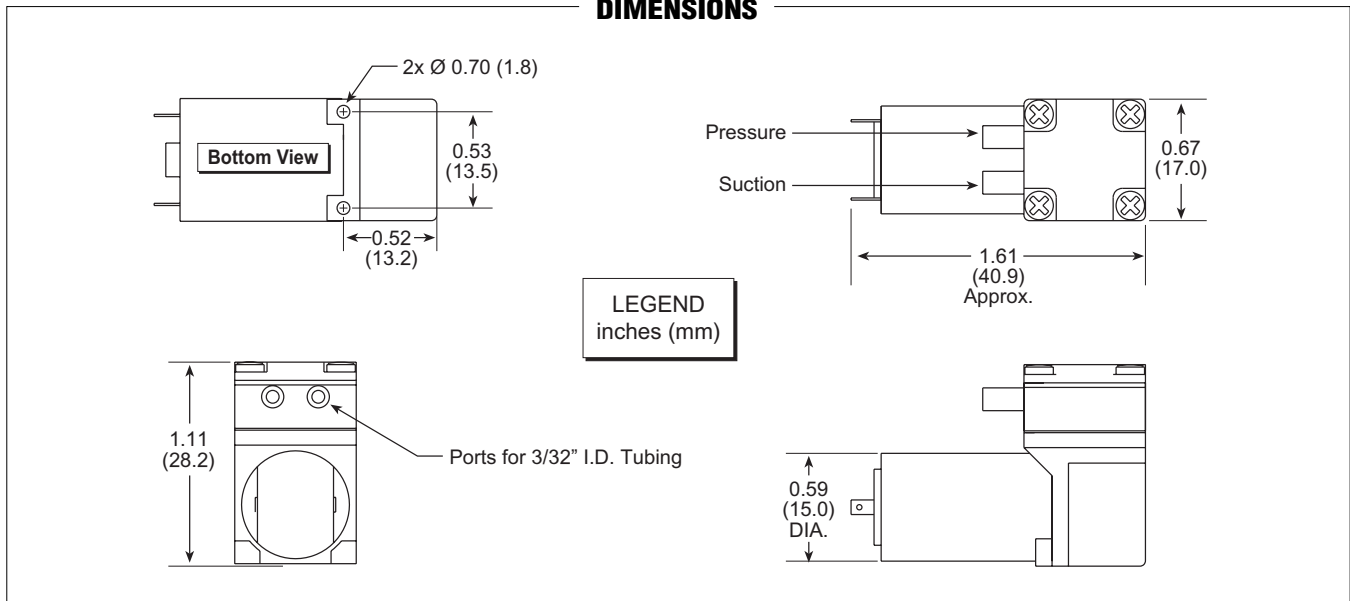
**PERFORMANCE**



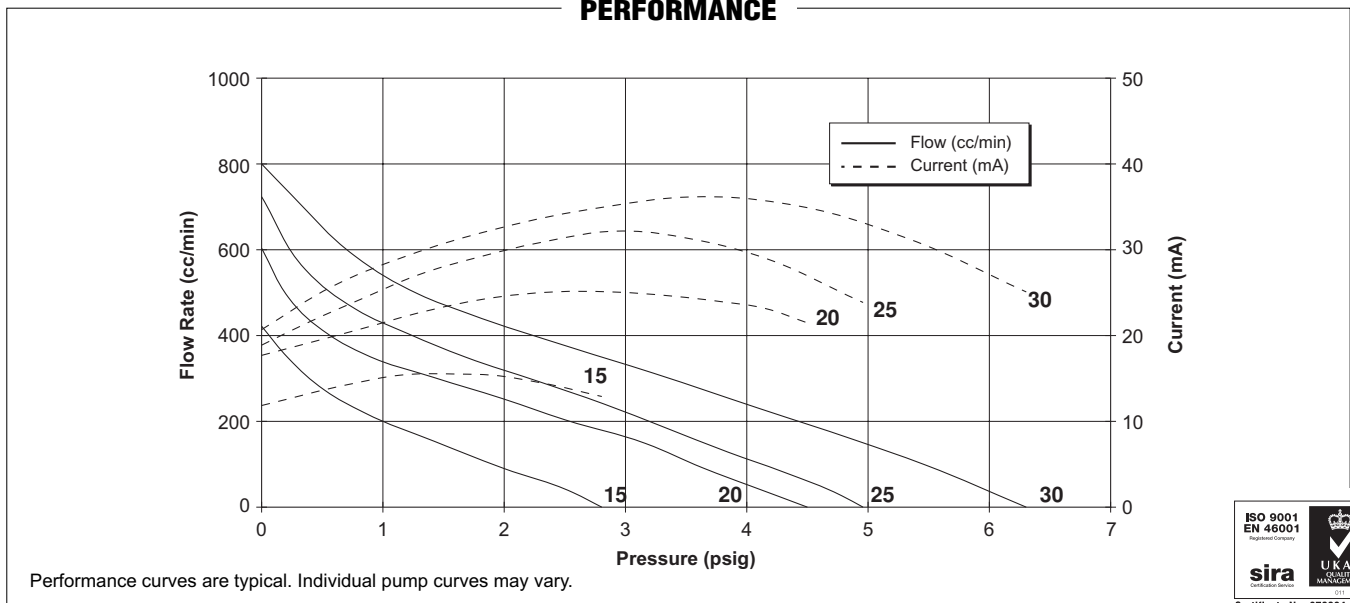
**AAA Series Micro Air Pump: Part No. 3A120CNSN (Pressure) Specifications**

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

**DIMENSIONS**



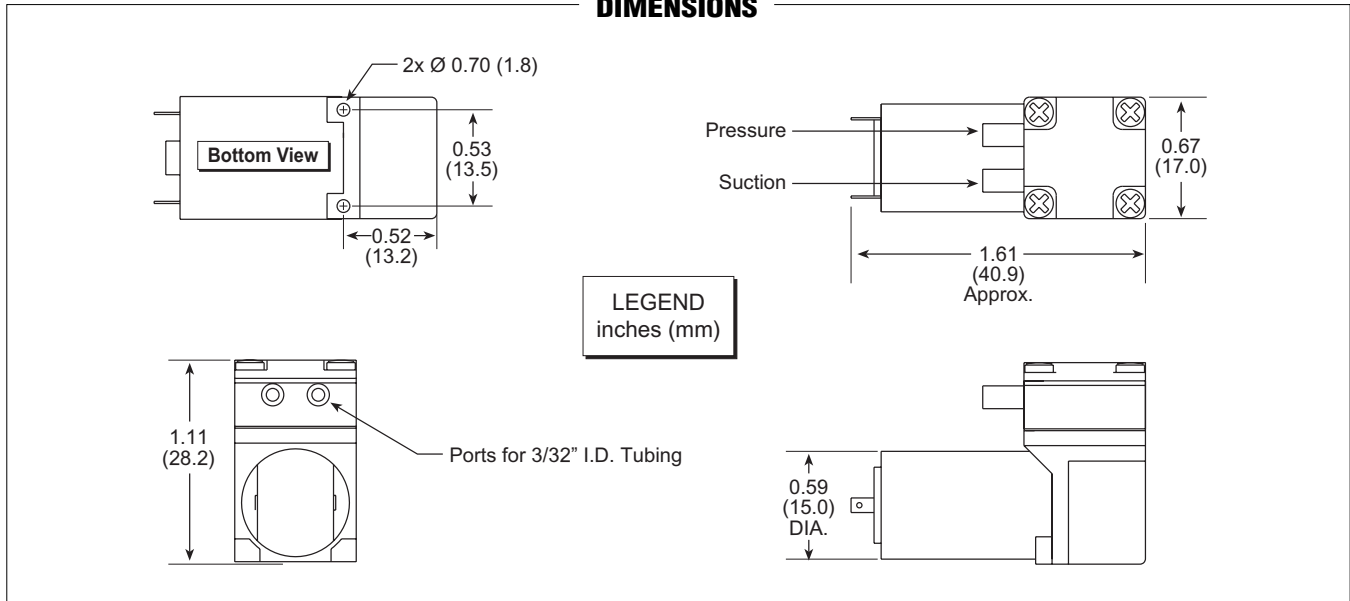
**PERFORMANCE**



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

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

**DIMENSIONS**



**PERFORMANCE**

