

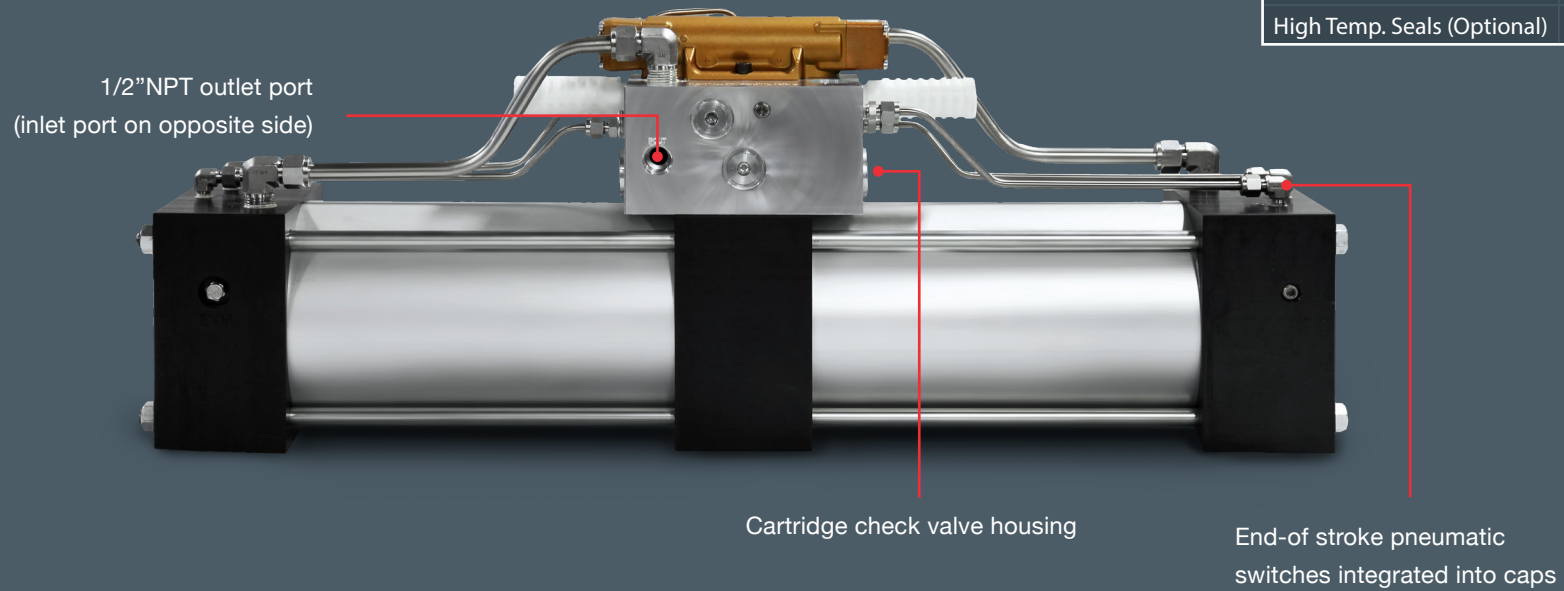
A²A Booster

Dual-Stage High-Output Pneumatic Booster

- Up to 4:1 Boost Ratio
- Automatic Operation
- Do More With Less



Booster Design



Temperature Ratings	
Low Temp. Seals (Standard)	-54 C to 90 C
High Temp. Seals (Optional)	-10 C to 200 C

Do More With Less

A²A Systems are significantly smaller and lighter than a conventional air tank system. Below is an example of how air-assisted fail-safe systems which use Cowan's A²A pneumatic booster provide a more economical solution than a conventional air tank fail-safe system

Conventional System

- 785 lbs
- 400 gallon tank
- 30" x 30" footprint
- 20" Bore pneumatic valve actuator

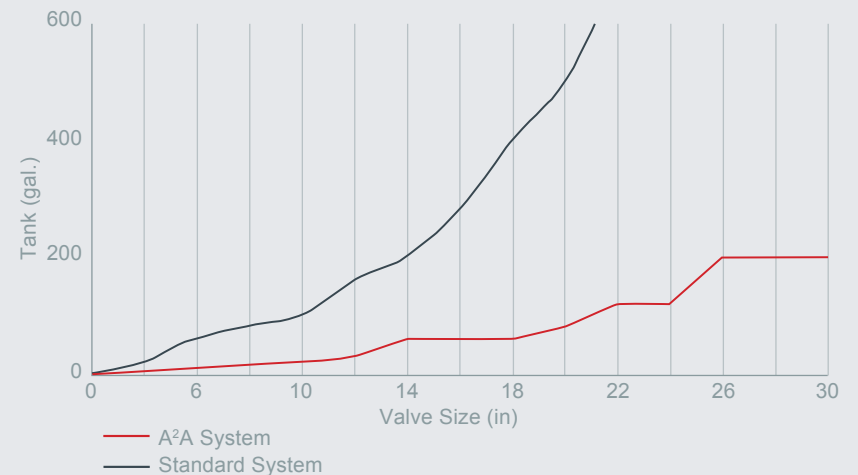


- Up to 85% Smaller
- Up to 45% Lighter
- Up to 40% Cost Savings

The A²A System

- 430 lbs
- 60 gallon tank
- 20" x 20" Footprint
- 16" Bore pneumatic valve actuator

Tank System vs A²A Boosted System

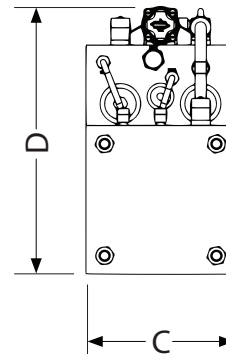
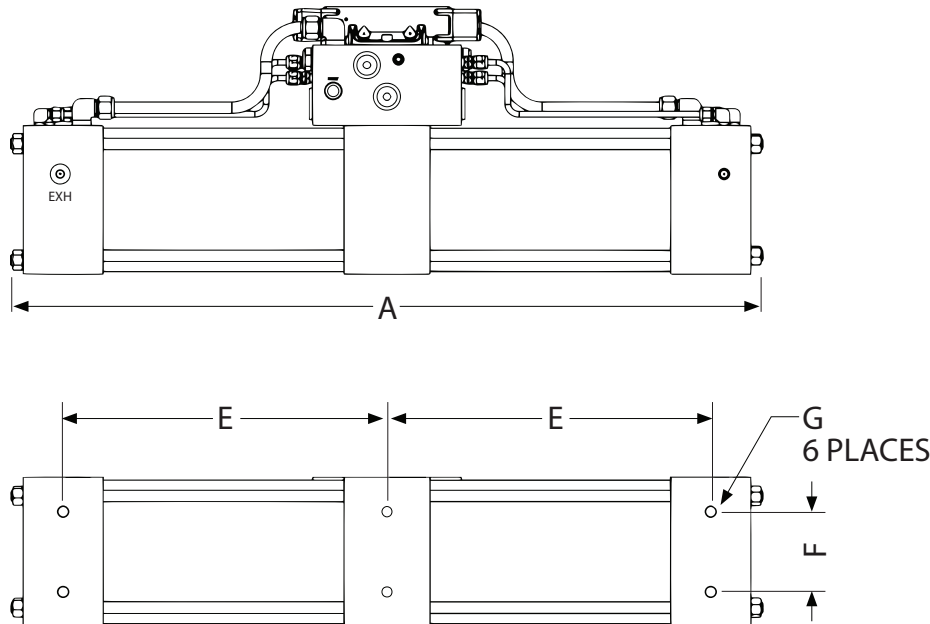




A2A Booster undergoing Low Temperature cycle testing

- Compact design requires no electrical or mechanical power
- 125 PSI Max Inlet Pressure
- 250 PSI Max Outlet Pressure
- High Output: 100 cubic inch swept volume
- Quiet Operation
- Low Temp seals are standard; down to -54°C (-65°F)

Pneumatic Booster Dimensions



Ratio	Actuator Dimensions (in)							Swept Volume (in ³)
	Stock	A	C	D	E	F	G	
2:1	A2A-2	23.75	6.50	11.70	9.62	3.50	½-20UNF x ¾"	100
3:1	A2A-3	32.80	6.50	11.70	14.12	3.50	½-20UNF x ¾"	100
4:1	A2A-4	39.75	6.50	11.70	17.62	3.50	½-20UNF x ¾"	100

Related materials

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