

**AIRTECH AH** Series vacuum boosters are positive displacement, roots-type blowers intended for use in conjunction with a mechanical backing pump. The **AH** booster pumps have a unique and patented hydrokenetic fluid drive, which couples the motor to the pumping mechanism. The hydrokenetic drive offers the following advantages:

- Pumpdown times cut by up to 50%
- Reduced capital and operating costs
- No pressure sensors, by-pass lines or valves
- Can operate continuously at all pressures when used with a backing pump.

The hydrokenetic drive allows the booster to be started at the same time as the backing pump (at atmospheric pressure) as it prevents motor overload. The **AH** booster pump therefore assists the pumping process from the start of the pumpdown. In comparison to by-pass or switch activated boosters, the **AH** will provide faster pump down speeds thus increasing productivity.

## Features:

Hydrokenetic Fluid Drive  
allows continuous operation from atmospheric pressure

Proven shaft seal arrangement ensures  
no oil enters the pumping stator

Vertical flow  
self draining in all models

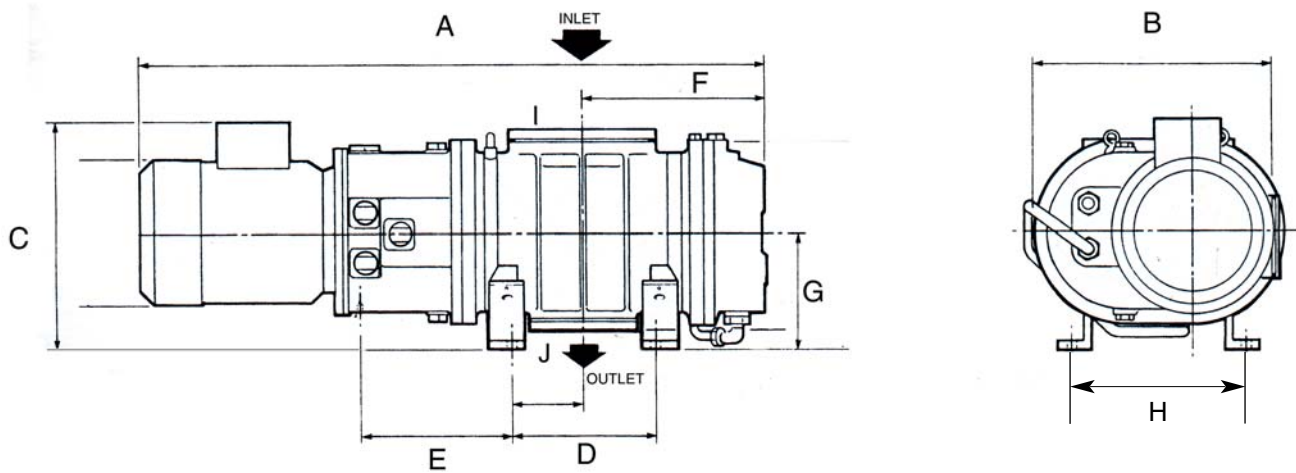
Available for applications where oxygen or other  
reactive gases are present

Quiet, vibration free operation

Simple installation, can be mounted  
directly on backing pump

### Specifications:

#### AH1200 Shown



### Technical Data:

Model	AH 500	AH1200	AH2600
Displacement(swept volume) - CFM	355	855	1830
Motor Size (HP/Kw)	2/1.5	4/3	10/7.5
Rotational Speed (RPM) *60Hz	0-3500	0-3500	0-3500
Recommended Backing Pumps	H230/H250	H250/H400/H630	H400/H630
Ambient Temp. Range (operating)	40° - 104° F	40° - 104° F	40° - 104° F
<b>Oil capacity (Liters)</b>			
Gear Case	-	1.25	3.5
Coupling cover	1.50	2.40	6.5
Shaft seal reservoir	1.25	0.125	1.5

\*Depends upon pressure

### Dimensions: (inches)

Model	A	B	C	D	E	F	G	H	I	J	Weight
AH500	30 5/16	11 1/2	9 7/32	7 23/32	8 3/4	7	4 11/64	4 1/2	ISO 100	ISO 63	163 lbs.
AH1200	37 9/32	15	13 45/64	8 21/32	9	10 29/32	7	10 1/4	ISO 160	ISO 100	328 lbs.
AH2600	43	18 15/16	18 1/8	8 21/32	10 13/16	12 9/32	11 7/32	14 1/2	ISO 160	ISO 100	678 lbs.