

Air

Air

Air

N₂

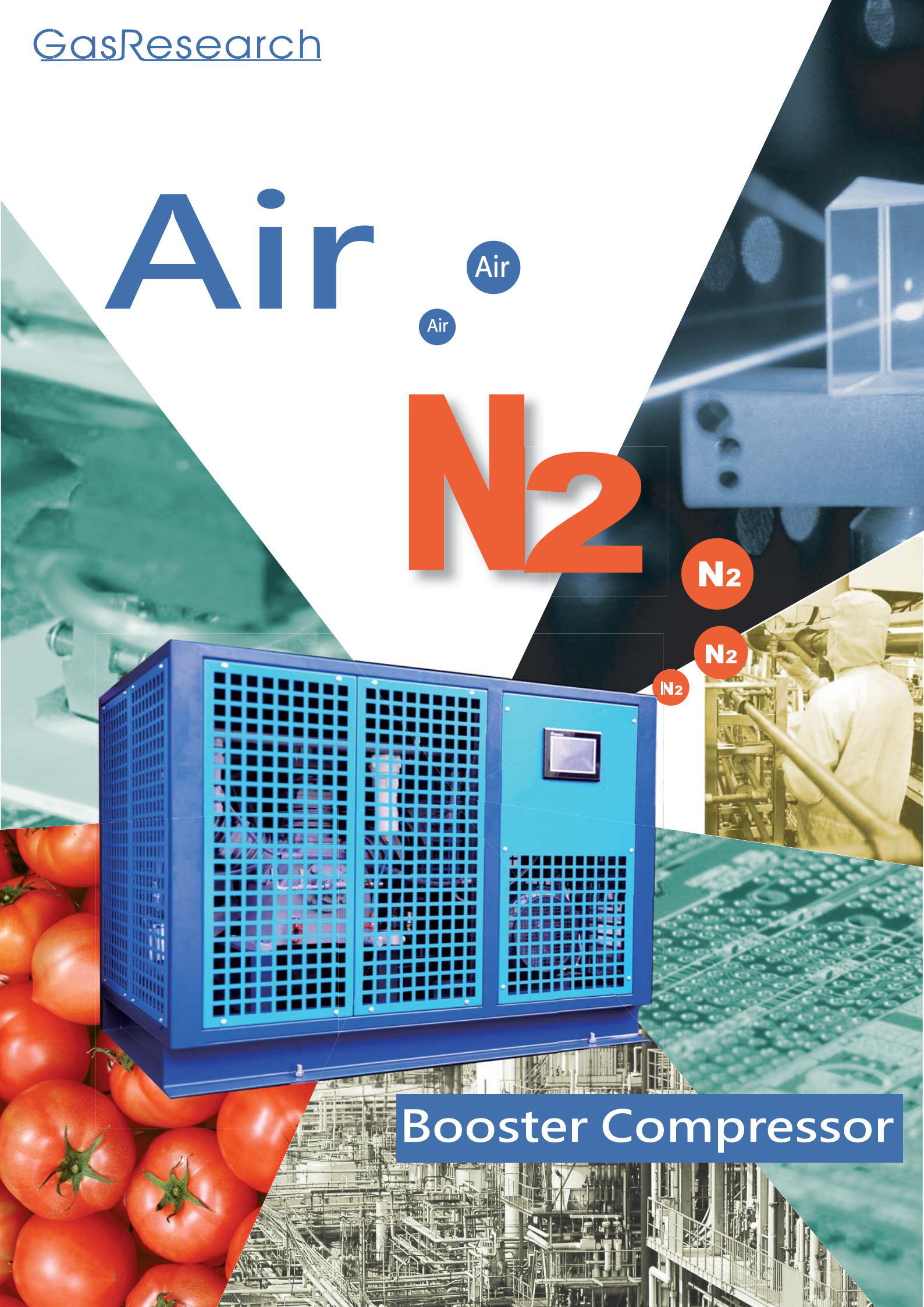
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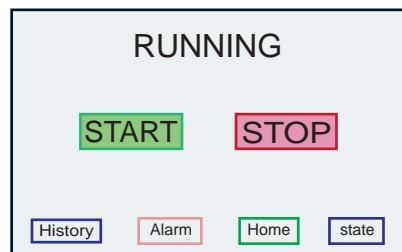
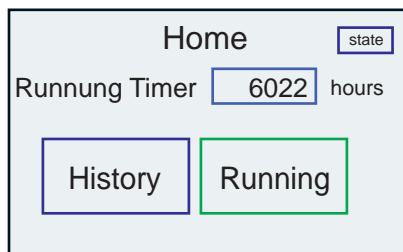


Booster Compressor

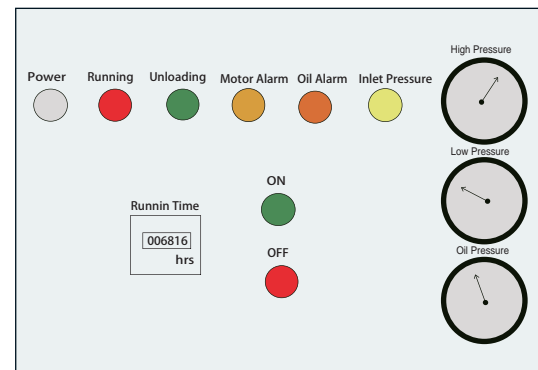
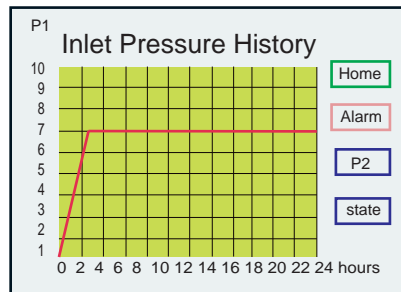
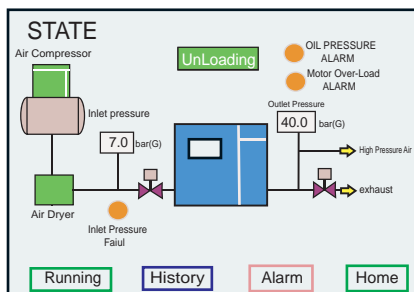


Main controller design features

Human Machine Interface (HMI) design and operation of digital display table easy operation. With human-machine interface control, users can get the correct message from the running status of the machine through the screen. And do the most effective monitoring. You can do a lot of settings by touching the screen button, the operation is very user-friendly, and there is no need to send a professional dimension. Protection, can save personnel expenses.



A



B

Material and Process

*Assab special steel valve was precision lathe cutting, on base and Internal stress eliminate anti-umpact excellent with anti-impact valve set. Long life cylinder and piston that were applied extra cast-iron precision finishing on exterior we were to applied heating treat get anti-wear and un-deformation. Main-shaft used smithy steel coupling with dynamic-balance precision calibrate. Belt and pulley with fan whole set, minimum operating vibration-force crank-transmission system,so that has energy-saving effect.

*Low noise design

With a unique sound-absorbing design, the irritating noise value can be effectively reduced and the on-site operating environment is improved. Comfort, reduce the workload of the operator and improve work efficiency.

*PLC programmable automatic control

Adopt PLC programmable controller and logic to digital AD module controller, signal receiving and transmitting more accurate. Each actuating part is more accurate in the program-based program to produce a chain-action response with a low failure rate. Extend the service life of the machine.

*Energy saving control

When the amount of air /nitrogen used is low, the program refers to the standby function of the booster compressor, which can temporarily stop the booster compressor or N2 generator operation, so that air compressor stops the operation because the pressure reaches the set pressure to achieve



High-performance reciprocating piston compressors

Our boosters augment your existing system pressure in specific locations, elevating it up to 60 bar. We offer an extensive range of high-performance booster reciprocating compressors that work in perfect harmony with rotary screw compressors and PET bottle produce stations.

The TH-series boosters are available with three cylinders and operate within the following performance parameters:

Initial pressure up to 7 bar – discharge pressure up to 60 bar

Flow rate: 0.25 – 4.0m³/min

Compared to designing the entire compressed air supply system for higher pressure, the use of boosters is significantly more cost-effective for all applications that require process air with a higher degree of compression than the normal control air and supply air at specific locations.

-PET bottle production is an excellent example of such applications.

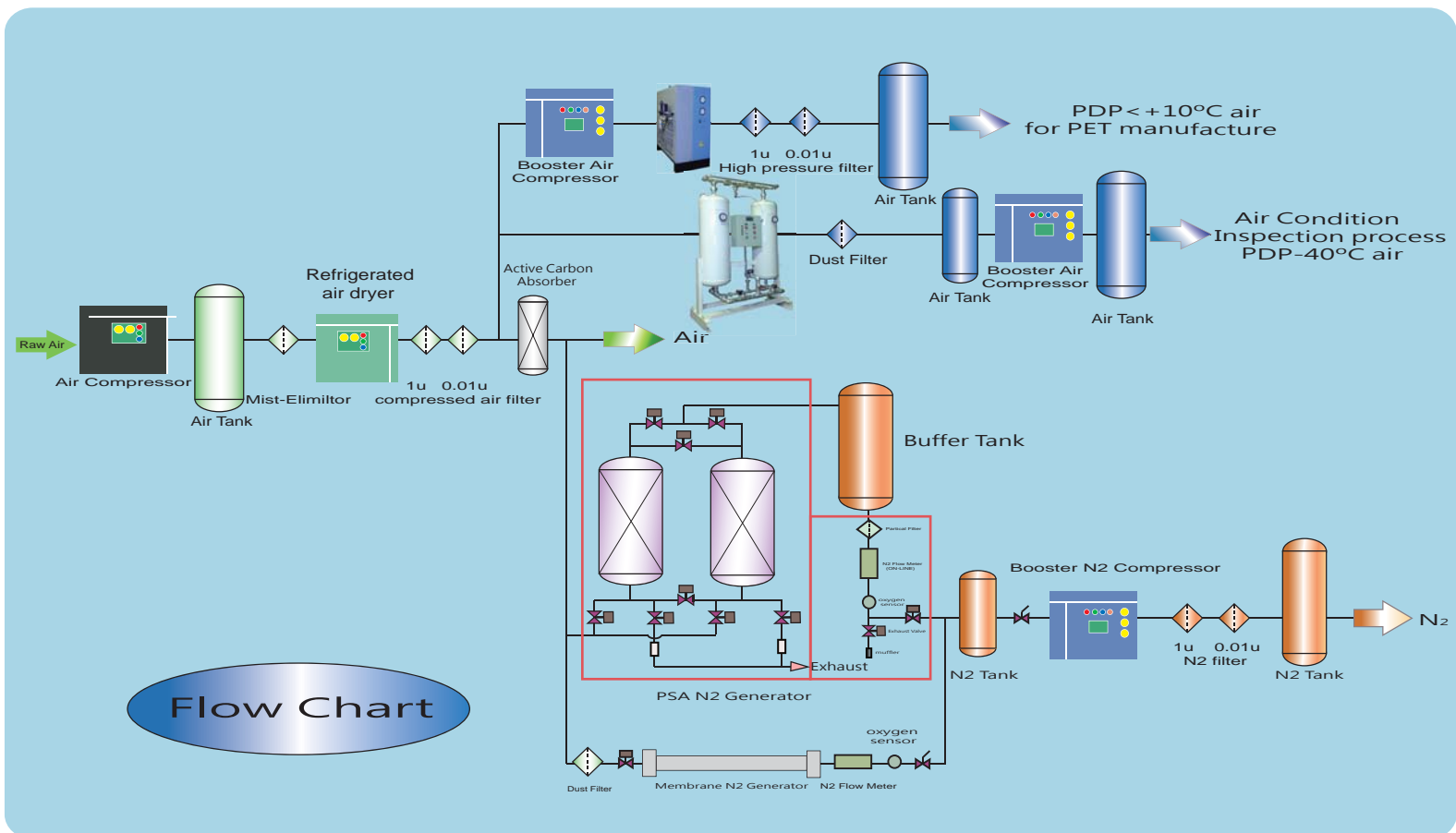
Your advantages

1. Continuous high-pressure operation:
2. Innovative features such as oil pressure lubrication and intensified cylinder cooling
3. Ensure both long service life and low maintenance requirements as well as
4. continuous system-compatible maximum pressure of 60bar.
5. Exceptionally low oil requirement:
6. The high quality cylinders are plateau-honed and feature an extra layer of wear protection. These details ensure low oil consumption over the entire service life.



For especially cool compressed air or nitrogen:

1. The aftercoolers on the three-cylinder boosters are equipped with pulley fans, which ensure low compressed Air /N2 discharge temperatures.
2. The boosters can be additionally equipped with Air-Cooled Refrigerated Type Compressed Air Dryer to attain even lower temperatures



Specification

Type	TH050-40	TH100-40	TH150-40	TH220-40	TH225-40	TH330-40
Flow Rate (m ³ /min)	0.5	1.3	1.9	2.5	3.2	4.0
Weight (kg)	495	508	520	540	598	605
Suction Pressure (bar)	7					
Discharge Pressure (bar)	40					
Dimension (mm)	W1500*D900*H1125					

Type	TH050-60	TH100-60	TH150-60	TH220-60	TH225-60	TH330-60
Flow Rate (m ³ /min)	0.25	0.65	0.95	1.25	1.6	2.0
Weight (kg)	495	508	520	540	598	605
Suction Pressure (bar)	7					
Discharge Pressure (bar)	60					
Dimension (mm)	W1500*D900*H1125					

* Control panel selection: A-HMI B-Traditional
inquiry type for example : THE050-40-A

1. Flow Rate: 1 atmosphere at 20 °C RH 0%
2. The above specifications design according to Air/N2 suction pressure 7bar(G) temperature 25 °C, Pressure Dew Point 10°C
3. Suction Air/N2 quality at booster inlet 4-4-3 per ISO8573.1
4. Installation environmental condition: indoor, max.42°C.
5. Normal temperature outlet air:10~20°C above ambient temperature
6. The specifications and production quantities on the form are exemplary specifications, and other demand generation quantities can be manufactured according to customer requirements.
7. If the above form is changed, no advance notice will be given.

