

# Booster Compressor BST-230 & BST-315



## 40Kg/cm<sup>2</sup> High Pressure Booster Compressor

Professional design and development for applications of PET bottle blowing, deep well drilling, special clamp mechanism, high-pressure press testing and leak testing, etc.

### Space saving and simple maintenance

- A solid stand with anti-vibration design that provides a stable operation and easy installation. It's compact size design is able to save more than 50% of installation space.
- No need of installing foundation and can choose the appropriate place freely to install the SWAN Booster.
- Air-cooled design with large cooling fan. No extra power consumption in the cooler.
- High-load resistant and robust structure design with automatic oil recovery system, which allows easy maintenance and long-term operation.

### Higher efficiency, much more free air

- Specifically designed for the purpose of high-pressure and supercharging. After cooling and drying of the inlet air, the compression efficiency of SWAN Booster is much higher than multi-stages high pressure air compressors.

### Lower cost

- Flexible air compression system is designed to generate high pressure air with the existing low pressure air in the plant. No need to equip with two sets of independent high pressure and low pressure system, which saves cost.

### Comprehensive protection and dual control systems

- Depend on your air consumption to switch either to automatic operation or continuous operation automatically.
- Shutdown protection when overload or lower oil pressure.
- With idle running design to reduce worn-out of the related components.

### Superior lubrication

- Enforced lubrication design and low-oil pressure protection assure SWAN Booster to be well lubricated.
- SWAN Booster is equipped with oil filter to ensure clean lubricant.
- SWAN Booster is designed with robust structure. The key components such as crankcase, cylinders, connecting rods, crank shaft and so on, are all well approved.



# BST-315 & BST-230

## Product Specifications

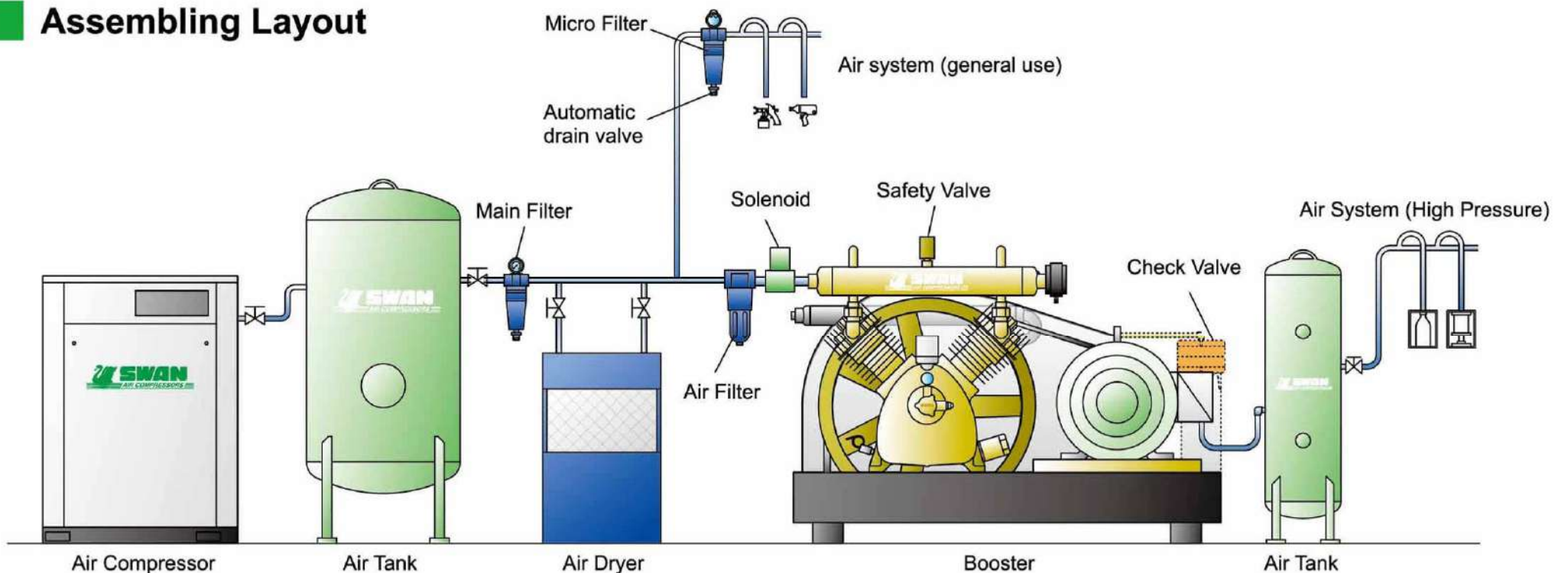
| Specs.<br>Model | Motor<br>(kw/hp) |    | Inlet Pressure<br>(kg/cm <sup>2</sup> .g) | Discharge Pressure<br>(kg/cm <sup>2</sup> .g) | Design Pressure<br>(kg/cm <sup>2</sup> .g) | Inlet Air Volume<br>(l/min) | F.A.D.<br>(l/min) | Air Tank Capacity<br>(liter) |
|-----------------|------------------|----|---|---|--|-----------------------------|-------------------|------------------------------|
| <b>BST-315</b>  | 7.5              | 10 | 7   | 30  | 35   | 1495                        | 1166              | 310                          |
|                 | 11               | 15 |   |   |  | 2616                        | 1749              |                              |
| <b>BST-230</b>  | 19               | 25 |   | 40  | 45   | 3282                        | 2370              |                              |
|                 | 22               | 30 |   |   |  | 4012                        | 2905              |                              |

※ If any special specifications are required, please feel free to contact with us for further information.  
 ※ We keep the right to modify specifications without further notice.

## Comparison between SWAN BST series and general compressors

| Products<br>Specification     | BST Series  | General Compressors  |
|-------------------------------|---|--|
| Structure                     | Air cooled type, boosting design, oil pump enforced lubrication, removable.   | Multi-stage compression structure, oil pump enforced lubrication, fixed installing foundation.   |
| Compression                   | Low-pressure inlet air, single-stage compression.   | The inhaling air is from atmosphere, multi-stage compression.  |
| Energy efficiency             | High efficiency, high displacement, energy saving.  | Low efficiency, low displacement, wasting energy.  |
| Installation                  | Air cooled structure, no installing foundation needed, space-saving.  | Water-cooled, need to establish an installing foundation, water cooling system, large-space needed.  |
| Environmental friendly design | Low pollution, less noise.  | High pollution, noisy.   |
| Lubrication while starting    | Crankshaft with oil storage design, can supply clean lubricant right away.  | Can not supply lubricant in time.  |
| Control mode                  | Automatically change to auto or continuous mode due to different air requirement consuming quantity. No load while start / stop the unit to avoid parts worn-out, and increase running life-time. | With individual control and can not change the running condition automatically. Low energy efficiency. Under loading condition while start/stop the unit and not able to establish the lubricating oil protection in time to increase running life-time. |

## Assembling Layout



Since 1956

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