



# 40Kgs/cm<sup>2</sup> High Pressure Booster Compressors

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

## Space saving and simple maintenance

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

## Higher efficiency, much more displacement

- 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-stage high pressure air compressors.
- The amount of air suction by SWAN Booster is bigger than the regular air compressor with same volume, its Free Air Delivery is bigger too.

## Lower Capital Cost

- Flexible Air compression system 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 to save the 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 before shutdown or soft starting, to reduce worn-out of the related parts.

## Superior Lubrication

- Oil pump with enforced-lubrication structure; Enforced lubrication and low-oil pressure protection design to make sure SWAN Booster to be well lubricated.
- SWAN Booster is equipped with oil filter device to ensure clean lubricant.
- SWAN booster is equipped with robust structure and loading-resistant design. The critical key components such as crankcase, cylinders, connecting rods, crank shaft..etc are all well approved.

# BST-315 & BST-230

## Product Specification

| Specification      |                       | Model |      | BST-315 |      | BST-230 |  |
|--------------------|-----------------------|-------|------|---------|------|---------|--|
| Motor              | K.W                   | 7.5   | 11   | 19      | 22   |         |  |
|                    | HP                    | 10    | 15   | 25      | 30   |         |  |
| Inlet Pressure     | kg/cm <sup>2</sup> .G | 5 ~ 7 |      |         |      |         |  |
| Discharge Pressure | kg/cm <sup>2</sup> .G | 30    |      |         | 40   |         |  |
| Design Pressure    | kg/cm <sup>2</sup> .G | 35    |      |         | 45   |         |  |
| Inlet Air Volume   | l/min                 | 1495  | 2616 | 3282    | 4012 |         |  |
| F.A.D              | l/min                 | 1166  | 2040 | 2494    | 3049 |         |  |
| Air Tank Capacity  | Liter                 | 310   |      |         |      |         |  |

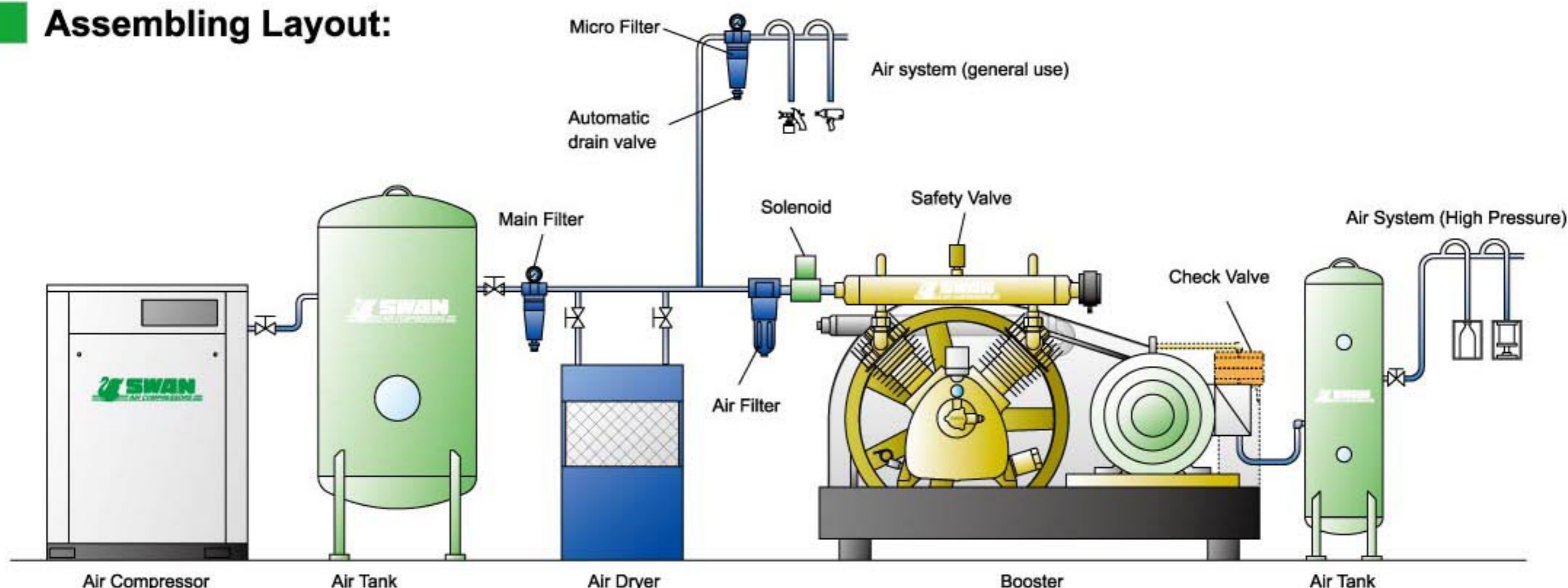


※ We welcome any required special specifications, please feel free to contact with us for further assistance.  
 ※ We keep the rights for modifying specifications without further notice.

## Comparison between SWAN BST series booster and general compressors

| Products                   | BST Series  | General Compressors   |
|----------------------------|---|---|
| Structure                  | Air cooled type, boosting design, oil pump enforced lubrication,removable.  | multi-stage compression structures, 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 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 Semi-auto mode due to different required air 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:



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