ANEST IWATA

DO YOU WANT TO SAVE ENERGY IN COMPRESSED AIR SYSTEM?

TAKE A LOOK AT 3 WAYS TO SAVE ENERGY +1!

YOU ARE WASTING ENERGY EVERY DAY IN CURRENT COMPRESSED AIR SYSTEM.

Find the best way to maximize energy-saving for your application.

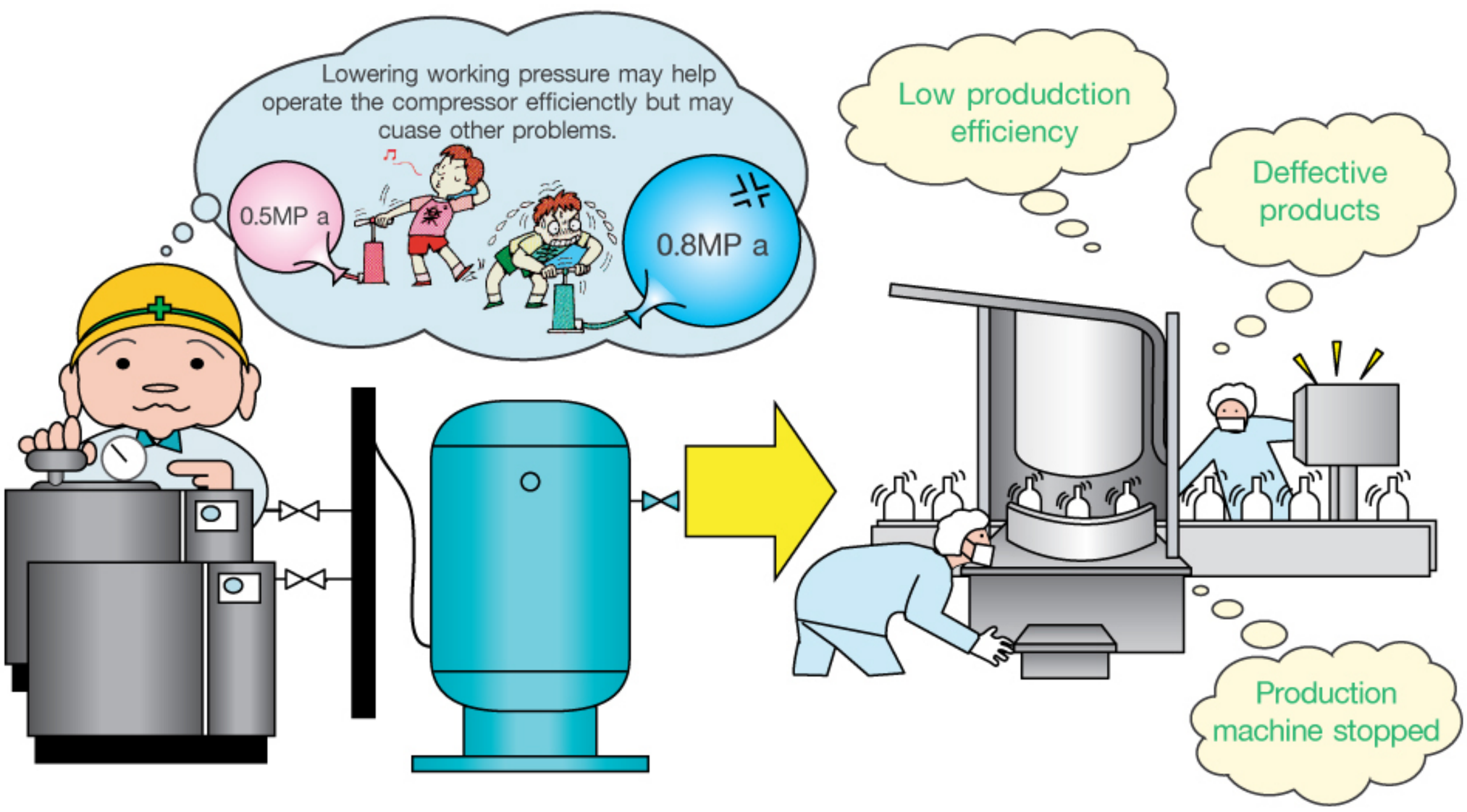
Compressed air	Proper spots	Right pressure	Right flow	You can supply without any loss!

Supply compressed air to proper spots at the ri

1. Energy-saving by lowering working pressure

You can reduce power consumption by lowering working pressure

Here is the way you can boost pressure!



Lowering working pressure

Insufficient pressure to run application

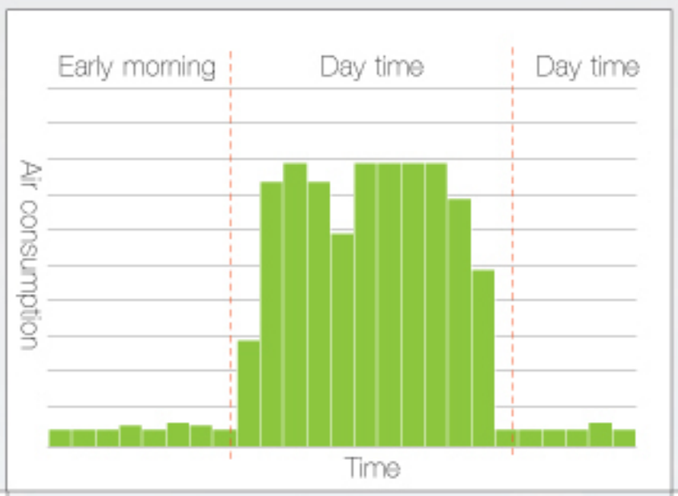
Supply air only where it nee

2. Energy-saving by distributed installation

Install small-size compressors based on required air consumption.

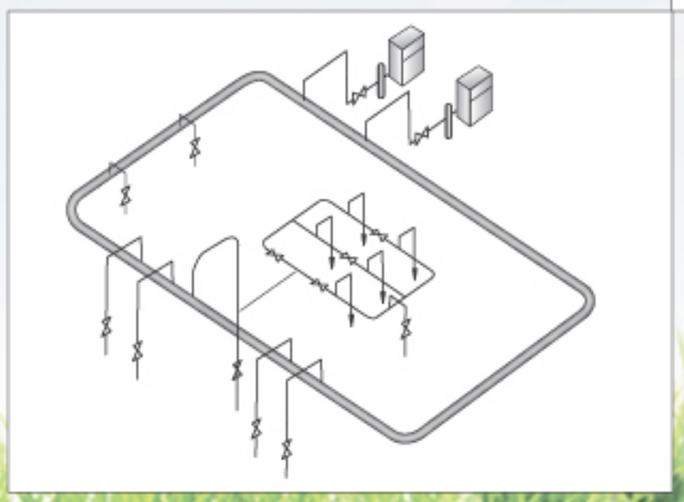
Distributed installation is perfect for a factory that

- Has high usage on holidays, weekends, and night
- Has limited time for operation a day
- Runs on cell manufacturing system



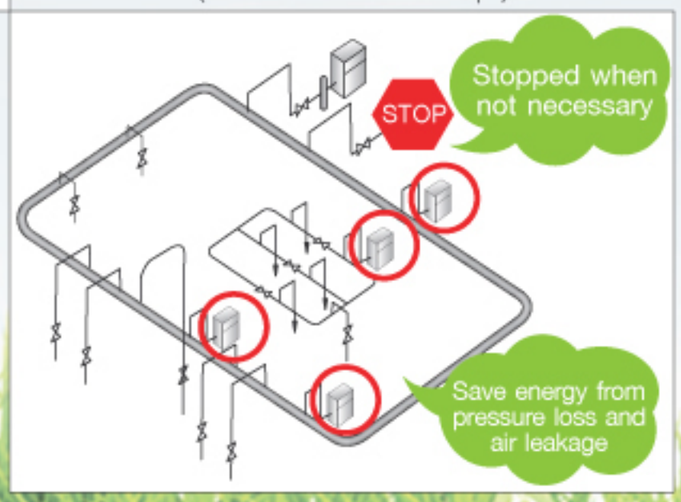
Fluctuation of air consumption

Small-size compressor (Auto start-stop)



Centralized supply system

Supply air only you need



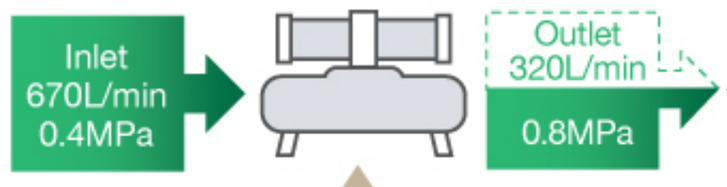
Distributed supply system

ight pressure　Oil-Free Booster Compressor (EFBSA / CFBSA)

Oil-Free Booster Compressor

How to boost pressure efficiently?

When use a booster regulator



If air volume < 350L/min

Power ≒ 2.6kw (100L/min → 0.75kW)

Power consumption kWh ≒ 3.3kWh(2.6kW÷0.8)

You are wasting more than a half of energy.....

When use Oil-Free Booster Compressor ESTIBO,

In comparison with a booster regulator, you use less air and save 60% of energy!

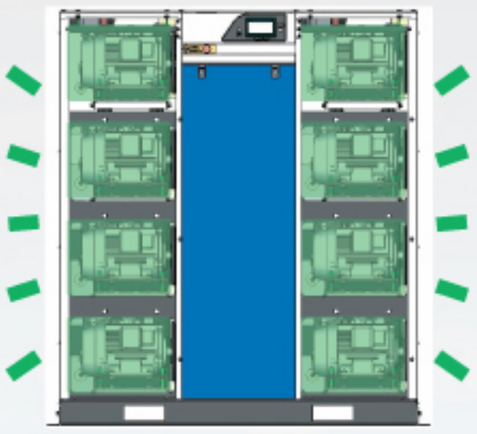
eds!　Oil-Free Scroll compressor (SLPA)

3. Energy-saving by following fluctuating loads

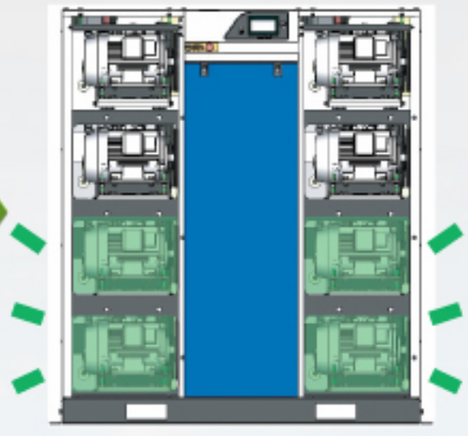
Operation is automatically controlled depending on air you need!

Multiple Unit Control system controls multiple air ends to acheive high efficeincy!

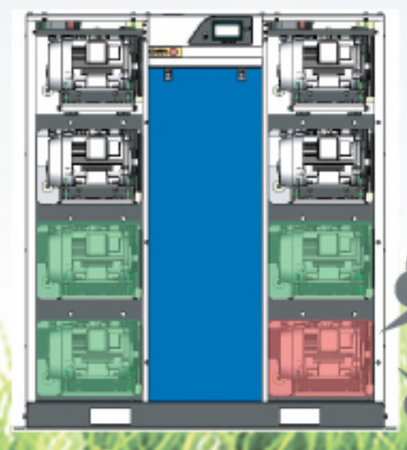
1. Efficient operation based on air consumption



When air consumption is decreased by 50%



2. Back up system



In case problems occurred

EFBSA Series : Small Oil-Free Booster Compressor

The World's first small size oil-free booster compressor.

Employs an inner compression system to prevent leakage of gas Has a long maintenance cycle, 10,000 operating hours before maintenance is required.

Model	Motor rated output	Control system	Intake Pressure	Working pressure	Free air delivery	Air receiver capacity	Air outlet connection	Dimension	Weight	Noise Level
	(kW)		MPa	MPa	(L/min)	(L)	(B)	(W x L x H) (mm)	(kg)	dB(A)
EFBSA04-9.5	0.4	PRESSURE SWITCH CONTROL SYSTEM	MORE THAN 0.4MPa	0.8~0.95	220	27	Rc3/8x1	320x530x625	29	63
EFBSA07-9.5	0.75				370	40	Rc3/8x1	364x775x660	46	66

1. F.A.D (Free Air Delivery) is the average value measured at intake pressure of 0.5MPa.
2. If Intake pressure is below 0.4MPa, contact a local ANEST IWATA distributor for more information.
3. Make sure intake air (gas) does not contain drain or oil mist.
4. If intake air contains oil mist, install oil mist filter (sold separately).
5. Noise level is measured in an anechoic chamber at the distance of 1.5m from the front.
6. Install equipment away from corrosive gas.
7 Filter (5μm) is not included in a package.
8. Nitrogen gas and dry gas (dew point below -40oC) are optional.
9. This product is an open type compressor.

CFBA Series : Oil-Free Booster Compressor

The World's first oil-free booster compressor.

It is a quiet packaged type with a reservoir tank. Long maintenance cycle 10,000 operating hours OR 4 years. Maximum air/gas pressure is 1.4 MPa and it is versatile.

Model	Motor rated output	Control system	Intake Pressure	Working pressure MPa		Free air delivery	Air receiver capacity	Air outlet connection	Dimension	Weight	Noise Level
	(kW)		MPa	Factory Setting	Adaptable range	(L/min)	(L)	(B)	(W x L x H) (mm)	(kg)	dB(A)
CFBSA37-14	3.7	Auto dual Control system	0.2~0.5	1.2~1.4	Maximum pressure 1.4 ~ Minimum pressure + 0.15 above Minimum pressure Intake pressure + 0.2	1080	185	Rc3/4	1350x910 x1,280	355	55
CFBSA55-14	5.5				Maximum pressure 1.0 ~ Minimum pressure + 0.15 Minimum pressure Intake pressure + 0.2	1750	185			385	55

1. F.A.D (Free Air Delivery) is the average value measured at intake pressure of 0.5MPa.
2. If Intake pressure is below 0.5MPa, contact a local ANEST IWATA distributor for more information.
3. Make sure intake air (gas) does not contain drain or oil mist.
4. If intake air contains oil mist, install oil mist filter (sold separately).
6. Noise level was measured in an anechoic chamber at the distance of 1.5m from the front.
8. Install equipment away from corrosive gas.
9. Nitrogen gas and dry gas (dew point below -40oC) are optional.
11. This product is an open type compressor .

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