



# VERTICAL RECIPROCATING COMPRESSORS

WE WORK  
TO MAKE  
ENERGY  
**A TAILOR MADE  
SOLUTION**



**A SIME COMPANY**

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# VERTICAL RECIPROCATING COMPRESSORS: BVTN & AVTN

The GI&E BVTN and AVTN compressors are designed for heavy duty applications with more than 25+ years standard life.

Thanks to the complete BVTN and AVTN compressor range, GI&E is able to satisfy any customer's request and need, in observation of the Country regulation and specific conditions.

All the Compressors are completely manufactured and tested in G.I.&E. Plant in Porto Recanati.



## MAIN FEATURES

**Vertical Configuration:** allows easy access for maintenance, takes up less space and increases the seal life

**Design API 618 compliant:** suitable for any Oil and Gas application

**Non-lubricated cylinders:** reduces operating costs and provide oil-free operation

**Cylinder cooling with water:** increases the performance of the cylinder and reduces wear of the seals

**Frame unpressurized:** guarantees operational safety, lower gas leaks

**Low rpm:** guarantees safe operation, less wear, higher volumetric efficiency and lower maintenance costs

**Technology:** designed and built under Nuovo Pignone License Agreement, with product continuous improvement

**Referenced Solution:** 800+ compressors installed and operated since 1986

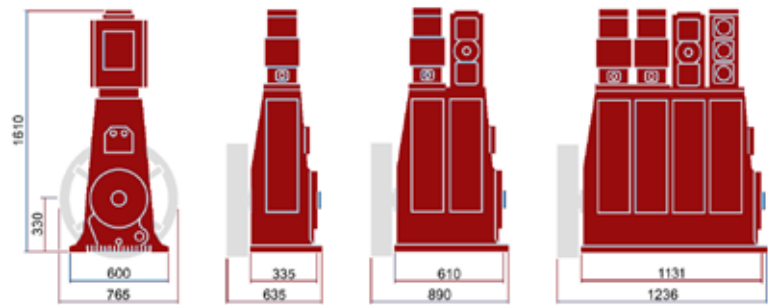
**Innovative Design:** with lower center of gravity for a considerable reduction of vibrations a greater reliability and lower noise

**Oil Unit Independent from the crank:** with the function of pre-heating and pre-lubrication before starting the compressor

**Materials:** suitable for any type of gas including NACE applications

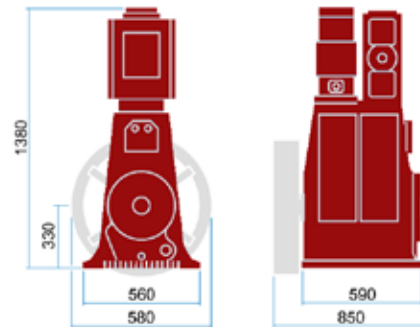
## BTVN TECHNICAL DATA

- n° Cylinders from 1 to 4
- n° Stages 1-2-3-4
- Output pressure up to 310 bar
- Speed from 450 to 1000 rpm
- Max Power 550 kW
- Noise level < 85 dbA @ 1 m



## ATVN APPLICATION FIELDS

- n° Cylinders from 1 to 2
- n° Stages 1-2-3-4
- Output pressure up to 310 bar
- Speed from 450 to 1200 rpm
- Max Power 135 kW
- Noise level < 85 dbA @ 1 m



## BVTN/ATVN APPLICATION FIELDS

### Oil&Gas

- Fuel Gas Boosting / Compressor
- Dry Gas Seal (DGS) Booster
- Gas Flaring Down

### Natural Gas

- CNG
- LNG

### Technical Gas



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