



**IMPIANTI TUBAZIONI MONTAGGI INDUSTRIALI**

OUR STORY.

**A LOOK TOWARD THE FUTURE**



Engineering and assembly of compression plants, prefabricated piping, auxiliary systems, and containerized solutions for global energy markets.

High-efficiency integrated solutions for Biogas and Biomethane Compression

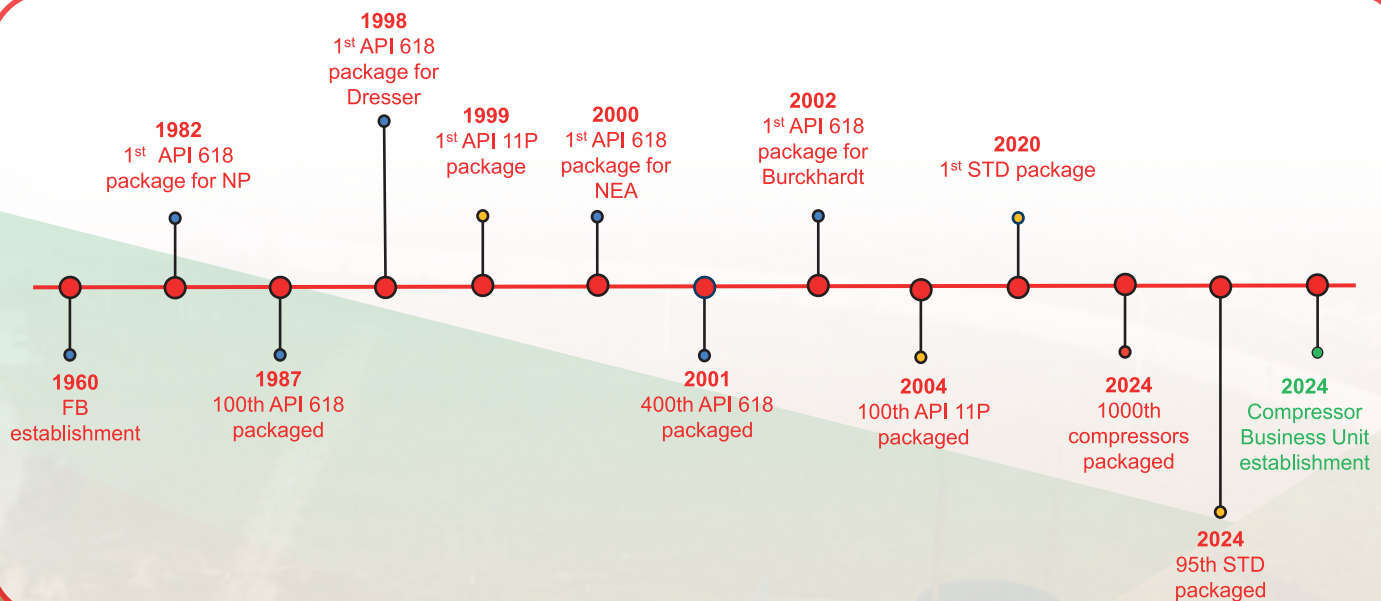
**Italian-made, turnkey solutions**



# OVER 60 YEARS OF OPERATION AND MORE THAN 2,000 EQUIPMENTS INSTALLED WORLDWIDE

Founded in the 1960s as F.B. Fratelli Balboni and later ITMI, the Company specializes in the construction of systems for the petrochemical, steel, gas and water treatment and food sectors, operating internationally with multiple certifications, including ISO 9001:2015 and ASME "U" STAMP.

The technological solutions offered to clients, thanks to extensive hands-on experience, enable the production of mechanical assemblies, pressure equipment, electro-instrumental and pneumatic systems of high construction quality and with a high level of customization.



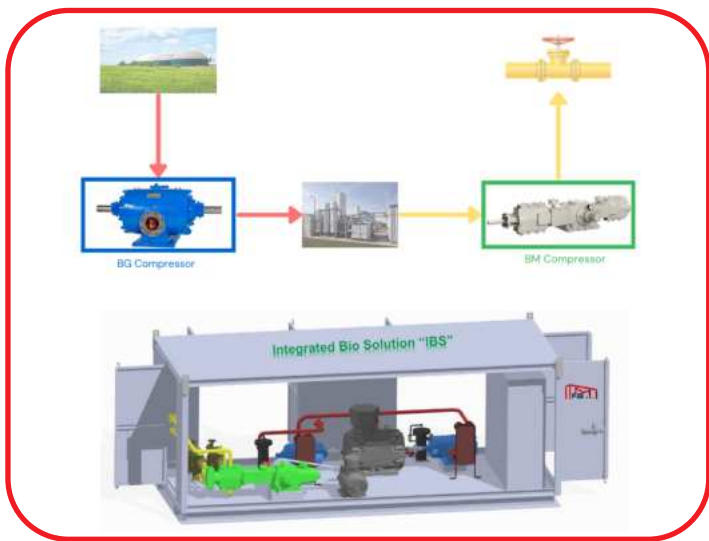
## COMPRESSION PACKAGES RANGE OF PRODUCTS

- Centrifugal compressor packages API 617 / non API
- API 672 Centrifugal compressor packages
- Screw compressor packages API 619 / non API
- Reciprocating compressor packages for CNG application
- Seal gas panels
- Gas treatment plants
- Reciprocating compressor packages API 618 / non API
- Liquid ring compressor packages
- Lube oil units API 614 / non API
- Cooling water units
- Piping prefabrication



# A LOOK TOWARD THE FUTURE

## HIGH-EFFICIENCY INTEGRATED SOLUTIONS FOR BIOGAS AND BIOMETHANE COMPRESSION




### FROM BIOGAS TO BIOMETHANE: COMPRESSION IN A SINGLE INTEGRATED SOLUTION "IBS"

Thanks to high-value technological Partners, F.B. S.p.A., with its new Compressor Business Unit, is able to provide integrated solutions with high efficiency and energy savings for the compression of biogas and biomethane. It confirms its role as a leader in innovation for these sectors by completing the wide range of highly customized solutions available to the customer.





## OUR TECHNOLOGY PARTNERS

### ROTARY VANE COMPRESSOR



| Model summary   |             |                                       |      |                 |     |                             |      |
|---|-------------|---------------------------------------|------|-----------------|-----|-----------------------------|------|
|  | MAWP (barg) | Inlet Flow range (Sm <sup>3</sup> /h) |      | Power rang (kW) |     | Operating speed range (RPM) |      |
|   |             | Min                                   | Max  | Min             | Max | Min                         | Max  |
| LP Series   | 5.5         | 8                                     | 4277 | 11              | 309 | 275                         | 2200 |
| HP Series   | 10.3        | 8                                     | 849  | 72              | 356 | 275                         | 1465 |
| HP Series   | 13.8        | 8                                     | 495  | 72              | 336 | 380                         | 1465 |

#### Common Applications:

|  |  |   |   |
|--|--|---|---|
| <br>Tank VRU<br>Flare Gas Recovery<br>Casing Gas Collection | <br>Digester Gas<br>Landfill Gas<br>Waste Water Treatment | <br>Condenser Service<br>Vacuum Chilling<br>Vacuum Stripping | <br>Syngas<br>Butadiene<br>Hydrogen Recovery |
|--|--|---|---|

### RECIPROCATING COMPRESSOR



| Model summary  |                                 |                          | Reciprocating Compressor Portfolio Product Series |           |  |            |            |            |
|--|---------------------------------|--------------------------|---|-----------|--|------------|------------|------------|
| Outlet pressure  | Flow rate @10 barg inlet (Scmh) | Electric motor size (kW) | Product Name                                      | TP        | Eagle 2000   | Eagle 3000 | Eagle 4000 | Eagle 6000 |
| <br>25 barg | 0-160                           | 15                       | No. of Throws                                     | 1-2-4     | 2-4  | 2-4        | 2-4        | 2-4        |
|  | 0-280                           | 15                       | Stroke (Inches)                                   | 3-3.5-4.5 | 3-3.5-4.5  | 3-3.5-4.5  | 3-4.5      | 3-4.5      |
|  | 0-540                           | 22                       | Max. Speed (RPM)                                  | 800-1800  | 800-1800   | 800-1800   | 800-1800   | 800-1800   |
|  | 0-750                           | 30                       | Max Break Power (kw)                              | 40-290    | 140-290  | 220-440    | 360-730    | 440-1020   |
|  | 0-100                           | 37                       | Gas Rod Load, T/C (kN)                            | 63-80     | 88   | 133        | 177        | 266        |
| <br>55 barg | 0-160                           | 22                       | TP & EAGLE SERIES                                 |           | SPECIAL FEATURES                                     |            |            |            |
|  | 0-280                           | 22                       | Single Stage to 6 Stage Compressors               |           | Oil-Free Compressors                                 |            |            |            |
|  | 0-540                           | 37                       | 20 HP to 1600 HP Power                            |           | Double Distance Piece Designs                        |            |            |            |
|  | 0-750                           | 55                       | 5000 psi / 350 bar Oil - Free Compressors         |           | API 618 Compliance                                   |            |            |            |
|  | 0-100                           | 75                       | Low Inlet Pressures up to 3 psi / 0.2 bar         |           | Non-Cooled Cylinders with Low Discharge Temperatures |            |            |            |
| <br>75 barg | 0-160                           | 22                       | For Process and Cylinder Filling Applications     |           |  |            |            |            |
|  | 0-280                           | 30                       |   |           |  |            |            |            |
|  | 0-540                           | 45                       |   |           |  |            |            |            |
|  | 0-750                           | 75                       |   |           |  |            |            |            |
|  | 0-100                           | 90                       |   |           |  |            |            |            |



COMPRESSOR SKIDS  
LUBE OIL UNITS  
COOLING WATER UNITS  
GAS SEAL PANEL  
CONDITIONING SKIDS  
PRESSURE VESSELS  
PIPING PREFABRICATION

BIOGAS COMPRESSION SYSTEMS  
BIOMETHANE COMPRESSION SYSTEMS  
INTEGRATED BIO SOLUTION "IBS"

*Our Passion, Your Success!*

**F.B. S.P.A. Registered and operational headquarters**

Via Cristofori, 2  
44042 Alberone di Cento (FE) - Italy  
Phone: +39 051.6840811  
Fax: +39 051.6840867

**F.B. S.P.A. COMPRESSOR BUSINESS UNIT**

Viale Masini, 12/14  
40126 Bologna - Italy  
Phone: +39 051.6840811  
Mobile: +39 340.2540139

**WWW.FBITMI.IT**