

# TIGHT

C O M P R E S S O R S



GRUPPO



TECNOGAS

[www.tightcompressor.it](http://www.tightcompressor.it)

**TIGHT**  
C O M P R E S S O R S



**... because there is no better compressor for technical gases.**

TIGHT is a worldwide known trademark in the field of LPG compressors that has been designing and producing machines and solutions for the gas field for years. TIGHT belongs to the TecnoGas Group which gathers leader companies on the LPG and CNG market. The TIGHT technology supported by the deep

experience that the TecnoGas Group acquired in the design and construction of LPG installations during over 30 years, enables us to build high-performance compressors with low installation and maintenance costs. Control boards, safety systems, liquid traps and pressure dampers complete the range of our products.

# Oil Free Compressors

FOR LPG, COOLANTS, AMMONIA, OXYGEN, DIMETHYLETHER, AIR, ETC.



## MAIN FEATURES OF THE TIGHT COMPRESSORS

- 1) Oil-free compressors
- 2) Twin-cylinder, positive-displacement, reciprocating compressors
- 3) Pump induced lubrication
- 4) Treated pistons in light alloy
- 5) Special system with self-lubricating seals
- 6) Chromium plated piston rods made of hardened carbon steel
- 7) Crossheads made of special aluminium alloy
- 8) Connecting rods with sliding friction bearings
- 9) Oil sump

TIGHT compressors combine sturdiness and small dimensions in order to provide the maximum performance in the compression of technical gases, for stationary or transport uses.

TIGHT produces single-stage, two-stage or dual-seal compressors depending on the product to be treated. The maximum working pressure is 18 barg for single stage and 20 barg for two-stage compressors (35 barg by request with special seals).

TIGHT oil-free compressors can handle a full range of air and technical gases without oil contamination.

	SINGLE-STAGE						TWO-STAGE	
Model	TIGHT 32	TIGHT 48	TIGHT 60	TIGHT 80	TIGHT 100	TIGHT 108	TIGHT DS 40	TIGHT DS 55
Power kW	5.5	7.5	11	18,5	22	22	7.5	11
Compressor	A668	A668	A668	A938	A938	A938	A668/63	A938/74
Bore-Stroke	108x73 mm	108x73 mm	108x73 mm	120x83 mm	120x83 mm	120x83 mm	-	-
1st stage mm ØxL	-	-	-	-	-	-	108x73	120x83
2nd stage mm ØxL	-	-	-	-	-	-	63x73	74x83
RPM	400	580	730	710	890	975	1000	975
Max pressure barg	-	-	-	-	-	-	20	20
Pist. Vol. displ. m³/h	32	48	60	80	100	108	40	55
F.A.D. at 20 barg Sm³/h	-	-	-	-	-	-	26	36



Tight single - stage



Tight trailer - mounted



Tight dual - seal



**TIGHT**  
C O M P R E S S O R S

**tg tecnogas**

**ite tecnoelettrica**

### Tecnogas, Tecnoelettrica, Tight: THE TECNOGAS GROUP

The Companies in Tecnogas Group have been operating for many years in the field of LPG and fuel gases.

The developed know-how represents nowadays a reference point for the realization of different types of plant, both in technical and commercial terms.

The GLOBAL SERVICE that the Tecnogas Group offers, covers all the stages of the realization of plants and equipments for LPG and CNG, ranging from the big storage depots to the filling stations, from the compressors to the tank trucks for the LPG transportation, from the fire systems to the electric control boards.

The Tecnogas Group numbers among its credentials the CE, ATEX, PED, TPED, SOA e ISO 9002:2002 certifications in order to work in total safety.



#### MAIN OFFICE

#### TIGHT

via Chiusa Ferranda, 15/A  
43036 Fidenza (PR) - ITALY  
Tel. +39.0524.532111  
Fax. +39.0524.81952

[www.tightcompressor.it](http://www.tightcompressor.it)  
[tight@polaris.it](mailto:tight@polaris.it)

[www.gruppotechnogas.it](http://www.gruppotechnogas.it)  
[www.tecnogasimpianti.it](http://www.tecnogasimpianti.it)  
[www.tecnoelettrica.it](http://www.tecnoelettrica.it)

