

**CNG SEQUENTIAL
REDUCER with high
pressure solenoid
valve**

CNG sequential reducer
with high pressure solenoid
valve

Two stages reducer, equipped
with a high pressure solenoid
valve, for CNG
sequential systems

Approvals:

- R110
- ISO15500



Automotive applications

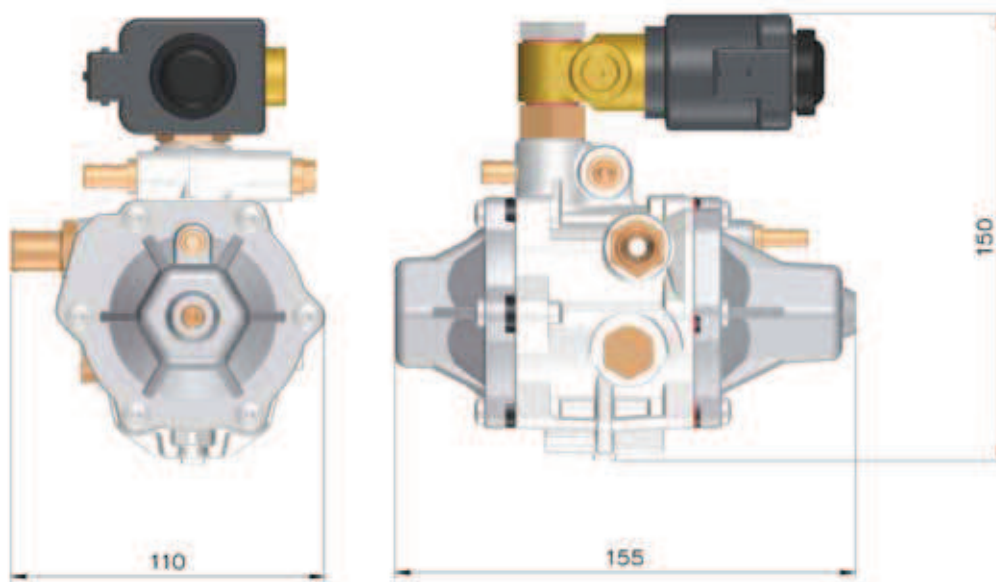
MODEL

**AT12 with high
pressure solenoid valve**

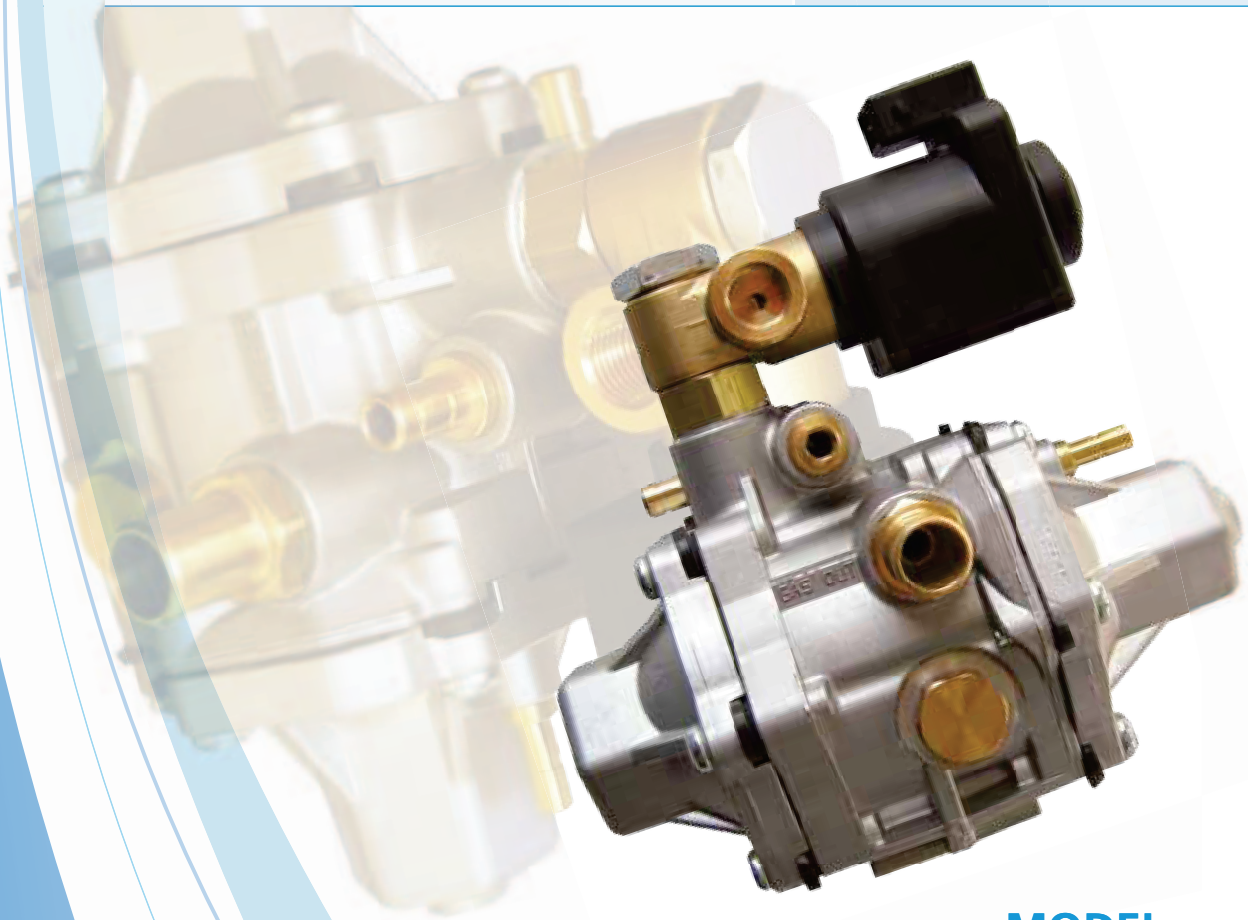
GENERAL INFORMATION

Type of product	CNG sequential reducer with high pressure solenoid valve
Application	automotive
Installation procedure	refer to the installation manual
Material	aluminium
Description:	our AT12 CNG sequential model is a compact and reliable reducer, suitable for CNG sequential systems. Equipped with a high pressure solenoid valve, this model can be installed in a wide range of engines. The outlet pressure is adjustable, from 0,10 to 0,25 MPa, to obtain the best performances

Material	Die-cast Aluminium body, CNC machined
Weight	1,60 kg
Type of product	CNG sequential reducer
Max. inlet pressure	26,00 MPa
1 st stage pressure	0,50 MPa
Solenoid voltage	12 V DC
Solenoid power dissipation	15 W
Inlet connection	Ø 6.0mm M12x1
Outlet connection	Fixed pipe fitting Ø 13.5 mm
Flow rate	70 kg/h CH ₄ (fig. 1 and 2)
Other features	According to the R110 Regulation



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Functioning test, in laboratory conditions, for the settlement of the range of power without and with MAP

Fig. 1 - Injection pressure range as a function of CNG consumption of engine

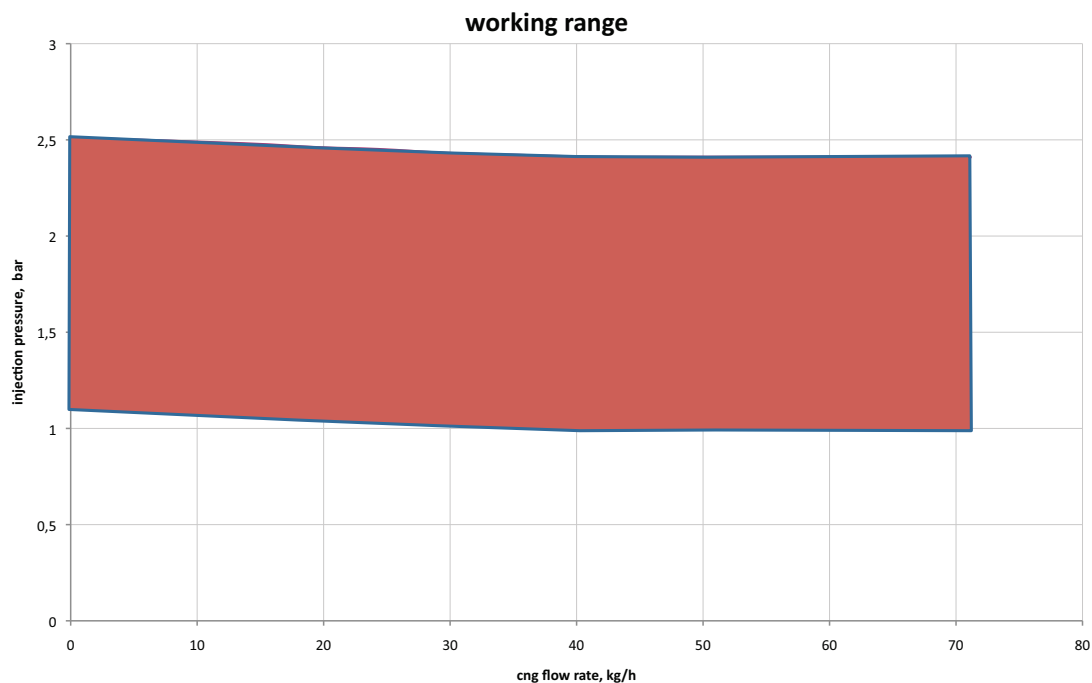


Fig. 2 - Example of injection pressure as a function of CNG consumption of engine and as a function of MAP (manifold absolute pressure)

