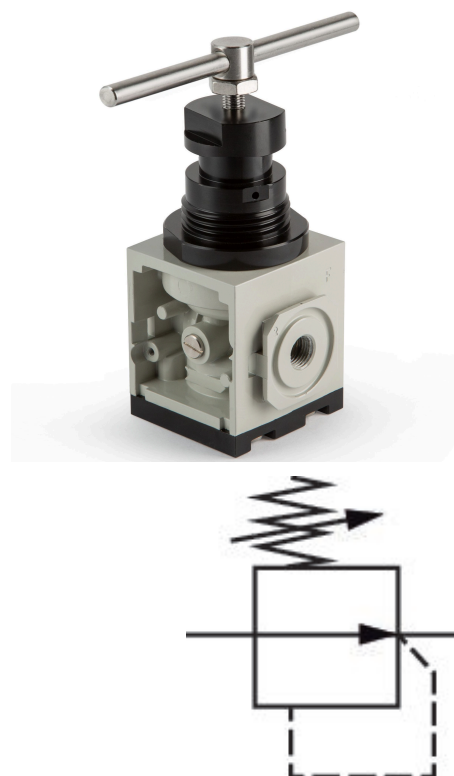


Pressure regulator, Series 646

G646ARH24NA00H0

General series information
AVENTICS Series 646 Pressure Regulator

- The Series 646 Railway Regulators and Filters are designed for the unique needs of the railway industry. The units meet railway regulations for Fire Safety (EN 45545: HL3), Shock & Vibration (EN 61373: Cat 1 Class B), and Corrosion Resistance (ISO 9227). The Series 646 Railway Regulators are robust, high flow products that are available with up to 10 bar (145 PSI) output pressure. They offer three adjustment methods including screw, t-handle, or lockable knob. The 646 Railway Filters provide exceptional filtration to ensure oil and particulates are removed from the compressed air system. Large high-flow elements ensure maximum element change out intervals with minimum system pressure drop and maximum air flow.



Technical data

| | |
|------------------------------------|--|
| Industry | Rail |
| Note | Complies with standards for railway applications |
| Function | high flow, inline ported |
| Parts | Pressure regulator |
| Adjustment options | T handle |
| Pressure gauge | Without pressure gauge, with transition plate |
| Mounting orientation | Any |
| Port | G 1/2 |
| Compressed air connection standard | according to ISO 228-1 |
| Nominal flow Qn | 7000 l/min |
| Regulation range min. | 0.5 bar |
| Regulation range max. | 10 bar |
| Working pressure min. | 1 bar |
| Working pressure max | 16 bar |
| Min. ambient temperature | -40 °C |
| Max. ambient temperature | 70 °C |
| Medium | Compressed air |

| | |
|-------------------------|----------|
| Min. medium temperature | -40 °C |
| Max. medium temperature | 70 °C |
| Weight | 0.272 kg |

Material

| | |
|------------------|--------------------------------|
| Housing material | Aluminum |
| Surface housing | anodized |
| Seal material | Acrylonitrile butadiene rubber |
| Part No. | G646ARH24NA00H0 |

Technical information

Order pressure gauge separately

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Dimensions in mm

