

Datasheet of 281A0611 Hose rupture valve



Description

HoseGuard hose rupture valve, flow rate 5220 l/min, female thread G 1, aluminium

Air supply is immediately shut off when volume flow exceeds a specific value. The maximum admissible flow is factory-set in such a way that a standard application of pneumatic equipment is ensured. Pressure drop amounts to 0.05 to 0.3 bar. In the case of failure, the hose rupture valve blows off through a small nozzle. After repairing the hose break, the hose rupture valve can be set to zero again.

According to **EN ISO 4414-11:2010** the hose rupture valve protects individuals, systems and machines from injuries or damages caused by lashing hose lines in the event of hose breaks.

The air passes the piston and continues through the seat. The air stream is slowed down by means of lengthwise grooves on the piston surface. When the volume flow is too high, the air cannot pass the piston quickly enough, thus the piston will be pressed against the spring. If the maximum admissible flow is exceeded, e.g. when the hose suddenly breaks, the air supply will automatically be shut off.

Details

| | |
|----------------------------------|---|
| Series: | 281 |
| Flow rate in l/min: | 5220 |
| Series long: | 281 |
| Maximum working pressure in bar: | 18 |
| Advantages: | <ul style="list-style-type: none"> • Increase of safety • Very low pressure loss • Hose rupture protection can be reset and reused |
| Working temperature: | -20°C up to +120°C |
| Connection: | Female thread G 1 |
| Connection description: | Female thread G 1 |
| Material: | Aluminium |
| Seal description: | Nitrile-butadiene rubber |
| Material connection: | Aluminium |
| Material seal: | NBR |
| Case: | Aluminium |
| Weight in kg: | 0,12 |
| Hydraulics: | No |
| Pneumatics: | Yes |
| Water-resistant: | No |

Dimensions

| | |
|---------------|-----|
| Connection A: | G 1 |
| B mm: | 100 |
| SW mm: | 41 |

