

281ZH0421 Hose rupture valve

HoseGuard hose rupture valve, flow rate 3440 l/min, female/male thread G 1/2, aluminium



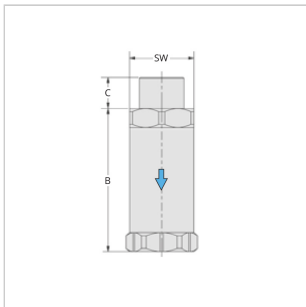
Product description

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.

More images



Product properties

Connection description	Female/Male thread G 1/2
Seal description	Nitrite-butadiene rubber
Flow rate in l/min	3440
Case	Aluminium
Weight in kg	0,06
Hydraulics	No
Material	Aluminium
Maximum working pressure in bar	18
Pneumatics	Yes
Series	281
Series long	281
Working temperature	-20°C up to +80°C
Advantages	• Increase of safety• Very low pressure loss• Hose rupture protection can be reset and reused
Water-resistant	No
Material connection	Aluminium
Material seal	NBR

Dimensions

Connection A	G 1/2
B mm	64
C mm	15
SW mm	30