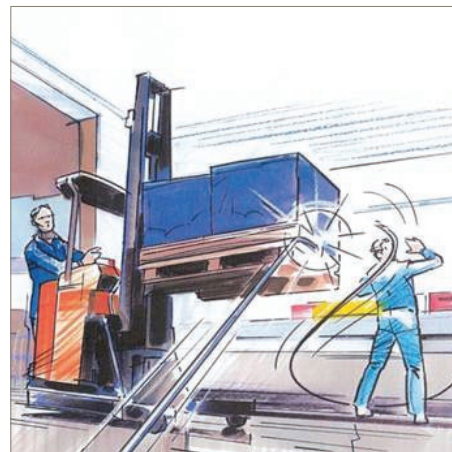


Moduflex AirGuard Protection System

Airfuse - protection of personnel, machinery and equipment



Protect your most important assets: your employees and their equipment!

The AirGuard offers simple but efficient protection of a broken compressed-air hose. The air supply is immediately shut off by the AirGuard, should the volume of air exceed a set value. This "value" is factory preset and is set to allow normal air consumption when using air tools.

Should the air consumption exceeds the set value, e.g. the air line is severed, then the internal piston instantly shuts off the main flow. An integral bleed hole allows some air to flow though. This enables the line pressure to automatically reset the AirGuard once the main line break is repaired.



Contact Information:

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Product Features:

- **Maintenance friendly**
Repair possible while plant is still operating.
- **Economic**
Competitive pricing.
- **Complies with EU standard**
EN 983 - § 5.3.4.3.2.
- **Reliable and tamperproof**
No adjustment necessary.
- **Lightweight**
Compact size.
- **Compatible with all pneumatic systems**
- **Can be used as a flow blocker**
- **TUV Approval**
No. 01-02-0145
- **EU Registered Utility**
Model No. 0025 73 525

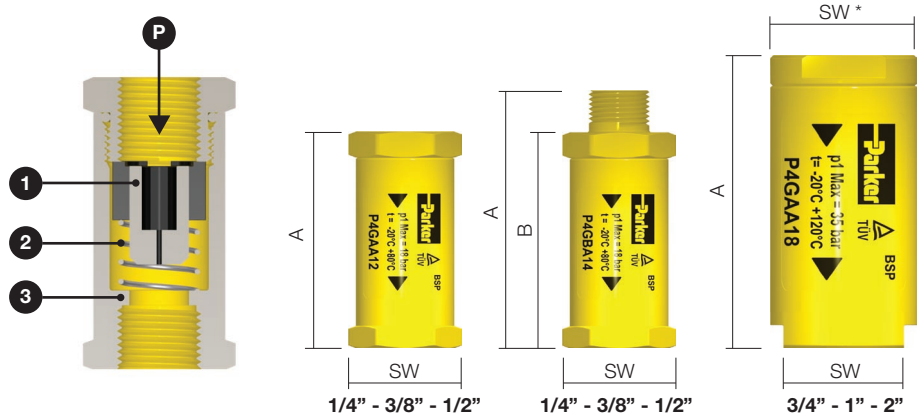


ENGINEERING YOUR SUCCESS.

Moduflex AirGuard Protection System

Function:

(P) is the inlet. Air passes the piston (1) and continues through the seat (3). The air flow, passing the piston, is slowed down by means of length wise grooves on the outer side of the piston. If the flow is too high, the air cannot pass the piston quickly enough, and the piston is forced against the spring (2) and towards the seat. The maximum flow is shown in the graph. If the value indicated is exceeded e.g. if the hose suddenly breaks - the air supply is automatically shut of. An integral bleed hole allows some air to flow though. This enables the line pressure to automatically reset the AirGuard once the main line break is repaired.

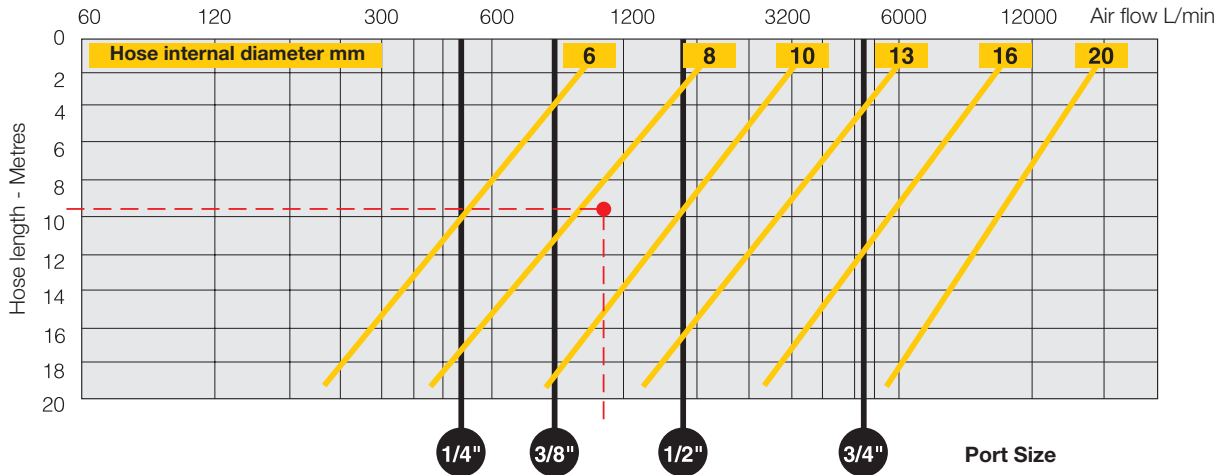


Weight and Dimensions (mm)

Thread connection BSP	dimensions (mm)			Weight	Maximum inlet pressure	Temperature range	Material	P1 inlet thread	P2 outlet thread	Order Code
	A	B	SW							
1/4"	48	-	22	30	18 bar (255 PSIG)	-20°C to 80°C (-4°F to 176°F)	Housing: aluminium Piston: polyoxy- methylene	female	female	P4GAA12
1/4"	58	49	22	36				male	female	P4GBA12
3/8"	59	-	27	58				female	female	P4GAA13
3/8"	71	59	27	62				male	female	P4GBA13
1/2"	65	-	30	78				female	female	P4GAA14
1/2"	80	65	30	85				male	female	P4GBA14
3/4"	76	-	30 / 36*	107	35 bar (500 PSIG)	-20°C to 120°C (-4°F to 248°F)	Housing: aluminium Piston: aluminium	female	female	P4GAA16
1"	100	-	41 / 50*	300				female	female	P4GAA18
2"	130	-	70 / 80*	775				female	female	P4GAA17
								female	female	P4GAA1C

How to select the optimal size of an AirGuard

Information based on an inlet pressure of 7 bar



1. determine the internal diameter of the hose, tube or pipe being used
2. determine the length of the hose, tube or pipe
3. read the intersection point of the vertical and horizontal lines, which indicates closure flow for your application
4. result: every flow value to the right of the vertical port size line would activate the Air Guard in case of a bursting hose, pipe or tube

Example: how to determine the correct AirGuard for an 8mm internal diameter & 10 metre long air hose (see the 10 metre hoseline above)
 - - - - the intersection point is to the right of the 3/8" vertical port size line, but to the left of the 1/2" port size line.
Result: a 3/8" AirGuard can be used.

